

LUMENTUM

# 2024 CDP Corporate Questionnaire 2024

Word version

**Important: this export excludes unanswered questions**

This document is an export of your organization's CDP questionnaire response. It contains all data points for questions that are answered or in progress. There may be questions or data points that you have been requested to provide, which are missing from this document because they are currently unanswered. Please note that it is your responsibility to verify that your questionnaire response is complete prior to submission. CDP will not be liable for any failure to do so.

[Terms of disclosure for corporate questionnaire 2024 - CDP](#)

# Contents

<b>C1. Introduction.....</b>	<b>8</b>
(1.1) In which language are you submitting your response? .....	8
(1.2) Select the currency used for all financial information disclosed throughout your response. ....	8
(1.3) Provide an overview and introduction to your organization. ....	8
(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.....	8
(1.4.1) What is your organization’s annual revenue for the reporting period? .....	9
(1.5) Provide details on your reporting boundary. ....	9
(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)? .....	10
(1.7) Select the countries/areas in which you operate. ....	12
(1.8) Are you able to provide geolocation data for your facilities? .....	12
(1.8.1) Please provide all available geolocation data for your facilities. ....	12
(1.24) Has your organization mapped its value chain? .....	25
(1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of? .....	26
<b>C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities .....</b>	<b>27</b>
(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities? .....	27
(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts? .....	28
(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities? .....	29
(2.2.2) Provide details of your organization’s process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.....	29
(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed? .....	41
(2.3) Have you identified priority locations across your value chain? .....	42
(2.4) How does your organization define substantive effects on your organization? .....	43
(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health? .....	45
(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities. ....	45

### C3. Disclosure of risks and opportunities..... 50

(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?.....	50
(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future. ....	51
(3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks. ....	59
(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent? .....	61
(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations? .....	62
(3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)? .....	62
(3.5.1) Select the carbon pricing regulation(s) which impact your operations. ....	62
(3.5.2) Provide details of each Emissions Trading Scheme (ETS) your organization is regulated by. ....	63
(3.5.4) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by? .....	64
(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future? .....	64
(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future. ....	64
(3.6.2) Provide the amount and proportion of your financial metrics in the reporting year that are aligned with the substantive effects of environmental opportunities. ....	72

### C4. Governance ..... 75

(4.1) Does your organization have a board of directors or an equivalent governing body? .....	75
(4.1.1) Is there board-level oversight of environmental issues within your organization? .....	76
(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues. ....	77
(4.2) Does your organization's board have competency on environmental issues? .....	78
(4.3) Is there management-level responsibility for environmental issues within your organization? .....	79
(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals). ....	80
(4.4) Does your organization have management-level competency on environmental issues? .....	84
(4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets? .....	85
(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals). ....	86
(4.6) Does your organization have an environmental policy that addresses environmental issues? .....	88

(4.6.1) Provide details of your environmental policies. ....	88
(4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives? .....	92
(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment? .....	93
(4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year. ....	94
(4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response? .....	96
(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication. ....	96

## **C5. Business strategy..... 99**

(5.1) Does your organization use scenario analysis to identify environmental outcomes? .....	99
(5.2) Does your organization's strategy include a climate transition plan? .....	100
(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning? .....	101
(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy. ....	101
(5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning. ....	104
(5.4) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition? .....	105
(5.9) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?.....	105
(5.10) Does your organization use an internal price on environmental externalities? .....	106
(5.11) Do you engage with your value chain on environmental issues? .....	106
(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment? .....	108
(5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues? .....	110
(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process? .....	111
(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place. ....	112
(5.11.7) Provide further details of your organization's supplier engagement on environmental issues. ....	116
(5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain. ....	119
(5.13) Has your organization already implemented any mutually beneficial environmental initiatives due to CDP Supply Chain member engagement? .....	123

## **C6. Environmental Performance - Consolidation Approach ..... 124**

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.....	124
--	-----

## **C7. Environmental performance - Climate Change..... 126**

(7.1) Is this your first year of reporting emissions data to CDP? .....	126
(7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?.....	126
(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year? .....	126
(7.1.3) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?....	127
(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions. ....	128
(7.3) Describe your organization's approach to reporting Scope 2 emissions. ....	128
(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure? .....	128
(7.4.1) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure. ....	129
(7.5) Provide your base year and base year emissions. ....	130
(7.6) What were your organization's gross global Scope 1 emissions in metric tons CO <sub>2</sub> e? .....	138
(7.7) What were your organization's gross global Scope 2 emissions in metric tons CO <sub>2</sub> e? .....	138
(7.8) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions. ....	139
(7.9) Indicate the verification/assurance status that applies to your reported emissions. ....	148
(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements. ....	148
(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements. ....	149
(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements. ....	152
(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year? .....	153
(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year. ....	153
(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure? .....	159
(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization? .....	159
(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type? .....	159
(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP). ....	160
(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area. ....	162

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide. ....	167
(7.17.2) Break down your total gross global Scope 1 emissions by business facility. ....	167
(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide. ....	180
(7.20.2) Break down your total gross global Scope 2 emissions by business facility. ....	180
(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response. ....	190
(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?.....	191
(7.27) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?.....	192
(7.28) Do you plan to develop your capabilities to allocate emissions to your customers in the future? .....	192
(7.29) What percentage of your total operational spend in the reporting year was on energy? .....	192
(7.30) Select which energy-related activities your organization has undertaken. ....	192
(7.30.1) Report your organization’s energy consumption totals (excluding feedstocks) in MWh. ....	193
(7.30.6) Select the applications of your organization’s consumption of fuel. ....	195
(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type. ....	196
(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year. ....	200
(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7. ....	202
(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year. ....	214
(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations. ....	221
(7.52) Provide any additional climate-related metrics relevant to your business. ....	223
(7.53) Did you have an emissions target that was active in the reporting year? .....	224
(7.53.1) Provide details of your absolute emissions targets and progress made against those targets. ....	224
(7.53.2) Provide details of your emissions intensity targets and progress made against those targets. ....	231
(7.54) Did you have any other climate-related targets that were active in the reporting year?.....	237
(7.54.1) Provide details of your targets to increase or maintain low-carbon energy consumption or production. ....	237
(7.54.2) Provide details of any other climate-related targets, including methane reduction targets. ....	242
(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases. ....	245
(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings. ....	245
(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below. ....	245

(7.55.3) What methods do you use to drive investment in emissions reduction activities? .....	254
(7.73) Are you providing product level data for your organization's goods or services? .....	255
(7.74) Do you classify any of your existing goods and/or services as low-carbon products? .....	255
(7.74.1) Provide details of your products and/or services that you classify as low-carbon products. ....	255
(7.79) Has your organization canceled any project-based carbon credits within the reporting year? .....	256

## **C9. Environmental performance - Water security..... 257**

(9.1) Are there any exclusions from your disclosure of water-related data? .....	257
(9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored? .....	257
(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change? .....	264
(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change. ....	267
(9.2.7) Provide total water withdrawal data by source. ....	268
(9.2.8) Provide total water discharge data by destination. ....	271
(9.2.9) Within your direct operations, indicate the highest level(s) to which you treat your discharge. ....	273
(9.2.10) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year. ....	277
(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities? .....	278
(9.3.1) For each facility referenced in 9.3, provide coordinates, water accounting data, and a comparison with the previous reporting year. ....	279
(9.3.2) For the facilities in your direct operations referenced in 9.3.1, what proportion of water accounting data has been third party verified? .....	282
(9.4) Could any of your facilities reported in 9.3.1 have an impact on a requesting CDP supply chain member? .....	285
(9.5) Provide a figure for your organization's total water withdrawal efficiency. ....	285
(9.12) Provide any available water intensity values for your organization's products or services. ....	285
(9.13) Do any of your products contain substances classified as hazardous by a regulatory authority? .....	286
(9.13.1) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority? .....	287
(9.14) Do you classify any of your current products and/or services as low water impact? .....	287
(9.15) Do you have any water-related targets? .....	288
(9.15.1) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories. ....	288
(9.15.2) Provide details of your water-related targets and the progress made. ....	289

<b>C10. Environmental performance - Plastics .....</b>	<b>296</b>
(10.1) Do you have plastics-related targets, and if so what type? .....	296
<b>C11. Environmental performance - Biodiversity .....</b>	<b>297</b>
(11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments? .....	297
(11.3) Does your organization use biodiversity indicators to monitor performance across its activities? .....	297
(11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year? .....	297
<b>C13. Further information &amp; sign off .....</b>	<b>299</b>
(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party? .....	299
(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used? .....	299
(13.2) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored. ....	300
(13.3) Provide the following information for the person that has signed off (approved) your CDP response. ....	300
(13.4) Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.....	301



## C1. Introduction

### (1.1) In which language are you submitting your response?

Select from:

☒ English

### (1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:

☒ USD

### (1.3) Provide an overview and introduction to your organization.

#### (1.3.2) Organization type

Select from:

☒ Publicly traded organization

#### (1.3.3) Description of organization

*Lumentum is a market-leading designer and manufacturer of innovative optical and photonic products enabling optical networking and laser applications worldwide. Lumentum's optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum lasers enable advanced manufacturing techniques and diverse applications including next-generation imaging and sensing capabilities. Lumentum is headquartered in San Jose, California with R&D, manufacturing, and sales offices worldwide.*

*[Fixed row]*

### (1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.

#### (1.4.1) End date of reporting year

#### (1.4.2) Alignment of this reporting period with your financial reporting period

Select from:

☒ Yes

#### (1.4.3) Indicate if you are providing emissions data for past reporting years

Select from:

☒ Yes

#### (1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for

Select from:

☒ 1 year

#### (1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for

Select from:

☒ 1 year

#### (1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for

Select from:

☒ Not providing past emissions data for Scope 3

[Fixed row]

#### (1.4.1) What is your organization's annual revenue for the reporting period?

1767000000

#### (1.5) Provide details on your reporting boundary.

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	<i>Select from:</i> <input checked="" type="checkbox"/> Yes

[Fixed row]

**(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?**

**ISIN code - bond**

**(1.6.1) Does your organization use this unique identifier?**

*Select from:*

☒ No

**ISIN code - equity**

**(1.6.1) Does your organization use this unique identifier?**

*Select from:*

☒ No

**CUSIP number**

**(1.6.1) Does your organization use this unique identifier?**

*Select from:*

☒ No

**Ticker symbol**

### (1.6.1) Does your organization use this unique identifier?

Select from:

☒ Yes

### (1.6.2) Provide your unique identifier

LITE

**SEDOL code**

### (1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

**LEI number**

### (1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

**D-U-N-S number**

### (1.6.1) Does your organization use this unique identifier?

Select from:

☒ Yes

### (1.6.2) Provide your unique identifier

079846674

**Other unique identifier**

### (1.6.1) Does your organization use this unique identifier?

Select from:

☒ No

[Add row]

### (1.7) Select the countries/areas in which you operate.

Select all that apply

☒ China

☒ Italy

☒ Japan

☒ Brazil

☒ Canada

☒ Democratic People's Republic of Korea

☒ United Kingdom of Great Britain and Northern Ireland

☒ Slovenia

☒ Thailand

☒ Switzerland

☒ Taiwan, China

☒ United States of America

### (1.8) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
	<p>Select from:</p> <p><input checked="" type="checkbox"/> Yes, for all facilities</p>	<p>We can provide location-based geodata for all our facilities</p>

[Fixed row]

### (1.8.1) Please provide all available geolocation data for your facilities.

Row 1

#### (1.8.1.1) Identifier

*Sao Paolo - Brazil*

#### (1.8.1.2) Latitude

*-22.83826*

#### (1.8.1.3) Longitude

*-47.03423*

#### (1.8.1.4) Comment

*FY23 - Acquisition*

### Row 3

#### (1.8.1.1) Identifier

*China - Shenzhen - Nanshan*

#### (1.8.1.2) Latitude

*22.56005*

#### (1.8.1.3) Longitude

*113.95217*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 4

#### (1.8.1.1) Identifier

*Italy - Vimercate (Milan)*

#### (1.8.1.2) Latitude

*45.60208*

#### (1.8.1.3) Longitude

*9.36132*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 5

#### (1.8.1.1) Identifier

*South Korea - Seongnam*

#### (1.8.1.2) Latitude

*37.444916*

#### (1.8.1.3) Longitude

*127.138868*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 6

#### (1.8.1.1) Identifier

*USA - CA - San Jose - Rose Orchard*

#### (1.8.1.2) Latitude

*37.41431*

#### (1.8.1.3) Longitude

*-121.94798*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 7

#### (1.8.1.1) Identifier

*Slovenia - Skofljica*

#### (1.8.1.2) Latitude

*45.98333*

#### (1.8.1.3) Longitude

*14.57667*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 8



#### (1.8.1.1) Identifier

*USA - CA - San Jose - Ridder*

#### (1.8.1.2) Latitude

*37.33548*

#### (1.8.1.3) Longitude

*-121.893028*

#### (1.8.1.4) Comment

*3 sites. For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 9

#### (1.8.1.1) Identifier

*Japan - Tokyo*

#### (1.8.1.2) Latitude

*35.69407*

#### (1.8.1.3) Longitude

*139.68789*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 10

#### (1.8.1.1) Identifier

*United Kingdom - Devon - Paignton*

#### (1.8.1.2) Latitude

*50.4144*

#### (1.8.1.3) Longitude

*-3.59056*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 11

#### (1.8.1.1) Identifier

*Switzerland - Zurich*

#### (1.8.1.2) Latitude

*47.40058*

#### (1.8.1.3) Longitude

*8.45059*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 12

#### (1.8.1.1) Identifier

*Canada - Ottawa*

#### (1.8.1.2) Latitude

*45.29633*

#### (1.8.1.3) Longitude

*-75.71057*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 13

#### (1.8.1.1) Identifier

*Thailand - Pathumthani - Navanakorn*

#### (1.8.1.2) Latitude

*14.10478*

#### (1.8.1.3) Longitude

*100.60187*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 14

#### (1.8.1.1) Identifier

*China - Shenzhen - Futian*

#### (1.8.1.2) Latitude

*22.54273*

#### (1.8.1.3) Longitude

*114.08543*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 15

#### (1.8.1.1) Identifier

*United Kingdom - Towcester - Caswell*

#### (1.8.1.2) Latitude

*52.15473*

#### (1.8.1.3) Longitude

*-1.04839*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 16

#### (1.8.1.1) Identifier

*Japan - Sagamihara*

#### (1.8.1.2) Latitude

*35.571462*

#### (1.8.1.3) Longitude

*139.373176*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 17

#### (1.8.1.1) Identifier

*Taiwan - Taipei City*

#### (1.8.1.2) Latitude

*25.105497*

#### (1.8.1.3) Longitude

*121.597366*

#### (1.8.1.4) Comment

*For more on our site locations, please see our Annual Sustainability Report FY23*

### Row 18

#### (1.8.1.1) Identifier

*China - Dongguan*

#### (1.8.1.2) Latitude

*22.7763*

#### (1.8.1.3) Longitude

*113.75291*

#### (1.8.1.4) Comment

*FY23 - Acquisition*

### Row 19

#### (1.8.1.1) Identifier

*China - Shenzhen (Nanshan MFG)*

#### (1.8.1.2) Latitude

*22.5243*

#### (1.8.1.3) Longitude

*113.95274*

#### (1.8.1.4) Comment

*FY23 - Acquisition*

### Row 20

#### (1.8.1.1) Identifier

*USA - CA- San Jose - Zanker*

#### (1.8.1.2) Latitude

*37.39818*

#### (1.8.1.3) Longitude

*-121.93211*

#### (1.8.1.4) Comment

*FY23 - Acquisition*

### Row 21

#### (1.8.1.1) Identifier

*USA - CA - San Jose - Zanker MFG*

#### (1.8.1.2) Latitude

*37.3965*

#### (1.8.1.3) Longitude

*-121.93101*

#### (1.8.1.4) Comment

*FY23 - Acquisition*

### Row 22

#### (1.8.1.1) Identifier

*Japan - Takao*

#### (1.8.1.2) Latitude

*35.69428*

#### (1.8.1.3) Longitude

*139.373176*

#### (1.8.1.4) Comment

*FY23 - Acquisition*

### Row 23

#### (1.8.1.1) Identifier

*USA - TX - Dallas*

#### (1.8.1.2) Latitude

*32.80667*

#### (1.8.1.3) Longitude

*-96.7999*

#### (1.8.1.4) Comment

*FY23 Acquisition*

### Row 24



#### (1.8.1.1) Identifier

*China - Wuhan*

#### (1.8.1.2) Latitude

*30.48768*

#### (1.8.1.3) Longitude

*114.44247*

#### (1.8.1.4) Comment

*FY23 Acquisition*

### Row 25

#### (1.8.1.1) Identifier

*Canada-Ottawa*

#### (1.8.1.2) Latitude

*45.352048*

#### (1.8.1.3) Longitude

*-75.91866*

#### (1.8.1.4) Comment

*FY23 Aquisition*

*[Add row]*

## (1.24) Has your organization mapped its value chain?

### (1.24.1) Value chain mapped

Select from:

☒ Yes, we have mapped or are currently in the process of mapping our value chain

### (1.24.2) Value chain stages covered in mapping

Select all that apply

☒ Upstream value chain

### (1.24.3) Highest supplier tier mapped

Select from:

☒ Tier 1 suppliers

### (1.24.4) Highest supplier tier known but not mapped

Select from:

☒ Tier 2 suppliers

### (1.24.7) Description of mapping process and coverage

*Lumentum leverages several tools to evaluate the climate-related risks and opportunities of its upstream, downstream value chain and direct operations. Our annual enterprise risk management (ERM) assessment includes climate related risks in our risk inventory, such as physical risks associated with natural disasters. We hold quarterly business reviews with key suppliers. In that review we assess supplier responsiveness to certain climate-related information such as GHG emissions and corporate climate-related goals. All suppliers are required to sign a supplier Code of Conduct agreement, which includes adherence to the Responsible Business Alliance (RBA) Code of Conduct. CMs are audited every other year using RBA's validated audit process (VAP) to evaluate conformance. Other top direct suppliers complete RBA's self-assessment questionnaire (SAQ). The SAQ risk assessment includes evaluation of the environmental performance and management systems of the site and provides a risk rating related to CSR risks and compliance with the RBA Code. The RBA Code includes the requirement for companies to establish greenhouse gas reduction goals.*

*[Fixed row]*

(1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of?

	Plastics mapping	Primary reason for not mapping plastics in your value chain	Explain why your organization has not mapped plastics in your value chain
	Select from: <input checked="" type="checkbox"/> No, and we do not plan to within the next two years	Select from: <input checked="" type="checkbox"/> Not an immediate strategic priority	Lumentum works to minimize plastic consumption in packaging, however, there is no corporate-level effort to measure and manage it.

[Fixed row]

## C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

### Short-term

(2.1.1) From (years)

0

(2.1.3) To (years)

5

(2.1.4) How this time horizon is linked to strategic and/or financial planning

*We consider near-term (or short-term) horizons as the actionable plan, or our current focus and path to achieve longer term goals. For example, the achievement of our GHG and renewable energy goals result in actions during the current year and in accordance with short-term roadmaps established for the next 1 or 2 years*

### Medium-term

(2.1.1) From (years)

5

(2.1.3) To (years)

10

(2.1.4) How this time horizon is linked to strategic and/or financial planning

We set our environmental strategy based on a medium-term horizon, which determines our short-term actionable plans. We have defined 2030 Net-Zero goals for Scope 1,2 that will guide our actions over the next decade.

Long-term

(2.1.1) From (years)

10

(2.1.2) Is your long-term time horizon open ended?

Select from:

☒ No

(2.1.3) To (years)

20

(2.1.4) How this time horizon is linked to strategic and/or financial planning

*This aligns with vision of our company. This long-term vision enables us to develop the medium-term strategy, which enables us to develop our short-term implementation plans*  
[Fixed row]

(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

	Process in place	Dependencies and/or impacts evaluated in this process
	Select from:	Select from:

	Process in place	Dependencies and/or impacts evaluated in this process
	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Both dependencies and impacts

[Fixed row]

### (2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both risks and opportunities	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

### (2.2.2) Provide details of your organization's process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.

#### Row 1

#### (2.2.2.1) Environmental issue

Select all that apply

☒ Climate change

#### (2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

*Select all that apply*

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

#### (2.2.2.3) Value chain stages covered

*Select all that apply*

- ☒ Direct operations

#### (2.2.2.4) Coverage

*Select from:*

- ☒ Partial

#### (2.2.2.7) Type of assessment

*Select from:*

- ☒ Qualitative only

#### (2.2.2.8) Frequency of assessment

*Select from:*

- ☒ Annually

#### (2.2.2.9) Time horizons covered

*Select all that apply*

- ☒ Short-term
- ☒ Medium-term

- ☒ Long-term

#### (2.2.2.10) Integration of risk management process

Select from:

- ☒ Integrated into multi-disciplinary organization-wide risk management process

#### (2.2.2.11) Location-specificity used

Select all that apply

- ☒ Site-specific

#### (2.2.2.12) Tools and methods used

##### Enterprise Risk Management

- ☒ Enterprise Risk Management

##### Other

- ☒ Scenario analysis

#### (2.2.2.13) Risk types and criteria considered

##### Acute physical

- ☒ Drought
- ☒ Wildfires
- ☒ Heat waves
- ☒ Cyclones, hurricanes, typhoons
- ☒ Heavy precipitation (rain, hail, snow/ice)
- ☒ Flood (coastal, fluvial, pluvial, ground water)

##### Chronic physical

- ☒ Changing precipitation patterns and types (rain, hail, snow/ice)
- ☒ Increased severity of extreme weather events



## Policy

- ☒ Carbon pricing mechanisms

## Liability

- ☒ Non-compliance with regulations

### (2.2.2.14) Partners and stakeholders considered

Select all that apply

- ☒ Employees
- ☒ Suppliers

### (2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- ☒ Yes

### (2.2.2.16) Further details of process

Lumentum leverages several tools to evaluate the climate-related risks and opportunities of its upstream, downstream value chain and direct operations. Our annual enterprise risk management (ERM) assessment includes climate related risks in our risk inventory, such as physical risks associated with natural disasters. Lumentum's process for identifying, assessing, and responding to climate-related risks and opportunities covers direct operations: As part of our business continuity planning, we review potential risks which include those due to extreme weather events that could impact our ability to execute our core business. Those top risks have mitigation plans that are triggered based on these events. Each of our internal manufacturing sites maintain a Business Continuity and Disaster Recovery (BCP) plan, which is reviewed and approved by Lumentum on an annual basis. These sites are prepared for a variety of potential scenarios including the physical risks. If the interruption is such that the alternative manufacturing operations were required, we have continuity plans with the capability to move production to a secondary site -Lumentum also maintains a buffer stock at several distributor hubs around the world. Annual strategic planning includes outlining plans and performance measures. Teams are responsible for developing and monitoring annual action plans against facility-level and corporate-level climate-related objectives. Each site conducts a risk assessment to proactively identify and analyze risks (e.g., flood, fire), which helps teams to measure the potential impact and document mitigation actions. For those physical climate risks, the sites develop emergency response plans and conduct annual mock drills at each facility. In addition, as a member of the RBA, our manufacturing facilities conduct annual RBA self-assessments and undergo internal audits against RBA's validated audit process (VAP). An example is in Thailand, where a significant flood risk exists. A tertiary defense system and flood protection walls were installed. Additionally, sites monitor compliance with changing regulations such as ETS and emerging CBAM.

## Row 3

### (2.2.2.1) Environmental issue

*Select all that apply*

☒ Climate change

### (2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

*Select all that apply*

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

### (2.2.2.3) Value chain stages covered

*Select all that apply*

☒ Upstream value chain

### (2.2.2.4) Coverage

*Select from:*

☒ Full

### (2.2.2.5) Supplier tiers covered

*Select all that apply*

☒ Tier 1 suppliers

### (2.2.2.7) Type of assessment

*Select from:*

☒ Qualitative only

#### (2.2.2.8) Frequency of assessment

*Select from:*

☒ Annually

#### (2.2.2.9) Time horizons covered

*Select all that apply*

☒ Short-term

☒ Medium-term

☒ Long-term

#### (2.2.2.10) Integration of risk management process

*Select from:*

☒ Integrated into multi-disciplinary organization-wide risk management process

#### (2.2.2.11) Location-specificity used

*Select all that apply*

☒ Site-specific

☒ National

#### (2.2.2.12) Tools and methods used

##### **Enterprise Risk Management**

☒ Enterprise Risk Management

##### **International methodologies and standards**

☒ Life Cycle Assessment

#### (2.2.2.13) Risk types and criteria considered

**Acute physical**

- ☒ Cyclones, hurricanes, typhoons
- ☒ Flood (coastal, fluvial, pluvial, ground water)

**Market**

- ☒ Availability and/or increased cost of raw materials

**(2.2.2.14) Partners and stakeholders considered**

Select all that apply

- ☒ Suppliers

**(2.2.2.15) Has this process changed since the previous reporting year?**

Select from:

- ☒ No

**(2.2.2.16) Further details of process**

*We hold quarterly business reviews with key suppliers. In that review we assess supplier responsiveness to certain climate-related information such as GHG emissions and corporate climate-related goals. All suppliers are required to sign a supplier Code of Conduct agreement, which includes adherence to the Responsible Business Alliance (RBA) Code of Conduct. CMs are audited every other year using RBA's validated audit process (VAP) to evaluate conformance. Other top direct suppliers complete RBA's self-assessment questionnaire (SAQ). The SAQ risk assessment includes evaluation of the environmental performance and management systems of the site and provides a risk rating related to CSR risks and compliance with the RBA Code. The RBA Code includes the requirement for companies to establish greenhouse gas reduction goals. Each of our contract manufacturers and internal manufacturing sites maintain a Business Continuity and Disaster Recovery plan, which is reviewed and approved by Lumentum on an annual basis. These sites are prepared for a variety of potential scenarios including the physical risks. If the interruption is such that the alternative manufacturing operations were required, we have continuity plans with the capability to move production to a secondary site -Lumentum also maintains a buffer stock at several distributor hubs around the world. Depending on the risk assessment results the contract manufacturers establish flood response plans for extreme events and plans for lack of water supply in drought including water saving measures, and increased storage.*

**Row 4****(2.2.2.1) Environmental issue**

*Select all that apply*

☒ Climate change

#### **(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue**

*Select all that apply*

☒ Dependencies

☒ Impacts

☒ Risks

☒ Opportunities

#### **(2.2.2.3) Value chain stages covered**

*Select all that apply*

☒ Downstream value chain

#### **(2.2.2.4) Coverage**

*Select from:*

☒ Partial

#### **(2.2.2.7) Type of assessment**

*Select from:*

☒ Qualitative only

#### **(2.2.2.8) Frequency of assessment**

*Select from:*

☒ Annually

#### **(2.2.2.9) Time horizons covered**

*Select all that apply*

- ☒ Short-term
- ☒ Medium-term
- ☒ Long-term

#### (2.2.2.10) Integration of risk management process

*Select from:*

- ☒ Integrated into multi-disciplinary organization-wide risk management process

#### (2.2.2.11) Location-specificity used

*Select all that apply*

- ☒ Site-specific

#### (2.2.2.12) Tools and methods used

##### **Enterprise Risk Management**

- ☒ Internal company methods

##### **International methodologies and standards**

- ☒ Life Cycle Assessment

#### (2.2.2.13) Risk types and criteria considered

##### **Market**

- ☒ Changing customer behavior
- ☒ Other market, please specify :Availability of renewable energy

##### **Reputation**

- ☒ Other reputation, please specify :Provision of low emission technology-reputation and expectation of delivery of improving efficiency products

## Technology

- ☒ Transition to lower emissions technology and products

### (2.2.2.14) Partners and stakeholders considered

Select all that apply

- ☒ Customers

### (2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- ☒ No

### (2.2.2.16) Further details of process

*Our customers expect Lumentum to reduce its impact on climate from its operations and from the use of our products. Not meeting these expectations could be a reputational risk and impact our competitiveness. To meet our customer expectations, Lumentum has a program in place to reduce GHG from our own operations and designs energy efficient products. For example, our high-speed coherent optical data transmission modules (used in internet backbone applications) have achieved a 79% reduction in relative power (W/Gb) usage (Gen 3 800G vs 100G). Our newest generation of high reliability subsea pump products achieve a 37% power saving by incorporating a higher efficiency pump chip. These products are critical in enabling intercontinental data traffic (99% of intercontinental data traffic travels through undersea cables). These examples highlight that we continually invest in the development of solutions to meet the needs and expectations of our stakeholders in relation to climate risks.*

## Row 5

### (2.2.2.1) Environmental issue

Select all that apply

- ☒ Water

### (2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

- ☒ Dependencies
- ☒ Impacts
- ☒ Risks
- ☒ Opportunities

#### (2.2.2.3) Value chain stages covered

*Select all that apply*

- ☒ Direct operations
- ☒ Upstream value chain

#### (2.2.2.4) Coverage

*Select from:*

- ☒ Partial

#### (2.2.2.5) Supplier tiers covered

*Select all that apply*

- ☒ Tier 1 suppliers

#### (2.2.2.7) Type of assessment

*Select from:*

- ☒ Qualitative only

#### (2.2.2.8) Frequency of assessment

*Select from:*

- ☒ Annually

#### (2.2.2.9) Time horizons covered

*Select all that apply*



- ☒ Short-term
- ☒ Medium-term
- ☒ Long-term

#### (2.2.2.10) Integration of risk management process

*Select from:*

- ☒ Integrated into multi-disciplinary organization-wide risk management process

#### (2.2.2.11) Location-specificity used

*Select all that apply*

- ☒ Site-specific

#### (2.2.2.12) Tools and methods used

##### **Commercially/publicly available tools**

- ☒ EcoVadis
- ☒ RBA Country Risk Assessment Tool
- ☒ WRI Aqueduct
- ☒ WWF Water Risk Filter

#### (2.2.2.13) Risk types and criteria considered

##### **Acute physical**

- ☒ Drought
- ☒ Flood (coastal, fluvial, pluvial, ground water)

##### **Chronic physical**

- ☒ Water stress

#### (2.2.2.14) Partners and stakeholders considered

Select all that apply

☒ Employees

☒ Suppliers

#### (2.2.2.15) Has this process changed since the previous reporting year?

Select from:

☒ No

#### (2.2.2.16) Further details of process

*We use a combination of best practice external tools to identify sustainability risks within our operations and supply chain, which include water-related risks, dependencies, impacts, and opportunities. These tools include the WRI Aqueduct, the WWF Water Risk Filter, and the RBA Country Assessment Tool. We complete annual EcoVadis assessments for Lumentum and were awarded a Platinum status in 2023. The EcoVadis assessment includes an evaluation of how we manage water and related risks. We have assessed our operations using the WRI Aqueduct Water Risk Atlas and the WWF Water Risk Filter to identify areas of current and potential future water stress. We evaluate our suppliers using the RBA risk assessment tool and our own supplier management and risk assessment processes. This approach covers our top 200 suppliers by spend and the assessment includes water-related risks in its criteria and scoring. Suppliers are required to adhere to our supplier code of conduct, and it requires compliance with the Responsible Business Alliance Code of Conduct which includes water related issues. Lumentum also assesses water-related risk as part of its business continuity planning, with individual BCP assessments completed by site. Factors incorporated in risk analysis include: priority, potential impact, timeline, current mitigation, and planned actions.*

[Add row]

#### (2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?

##### (2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed

Select from:

☒ Yes

##### (2.2.7.2) Description of how interconnections are assessed

*We assess the interconnections between environmental dependencies, impacts, risks, and opportunities in climate and water. For example, we have considered the impacts of climate change and flooding within the same assessments.. We also recognise water stress can be linked to climate vulnerability and we will further explore interconnections. Areas with higher climate vulnerability may face increased risks of flooding or water depletion, which could affect our direct operations and wider value chain. For instance, Thailand is a priority location for both water and climate in our direct operations and contract manufacturers, where environmental*

*interconnections and risks could impact production, supply chains, and multiple environmental indicators. Several of our sites require water for production processes, so we have been considering water stress as a potential risk that could affect our production sites. In our next reporting year, we will expand our assessment to include water quality. At a site level, many of our manufacturing sites have ISO 14001 certification, which assesses environmental aspects, including water and climate. In the future, we plan to implement a global management system to further support this work. We continuously work to identify ways to further integrate these interconnections between environmental dependencies, risks, impacts, and opportunities across our sustainability program. Physical risk case study: Thailand, where a significant flood risk exists. A tertiary defence system and flood protection walls were installed and a Lumentum contract manufacturer moved to a higher floor in response to flood risk. Lumentum assesses the current and future risk of severe weather and builds responses into the business planning process.*

[Fixed row]

## **(2.3) Have you identified priority locations across your value chain?**

### **(2.3.1) Identification of priority locations**

Select from:

☒ Yes, we have identified priority locations

### **(2.3.2) Value chain stages where priority locations have been identified**

Select all that apply

☒ Direct operations

### **(2.3.3) Types of priority locations identified**

**Locations with substantive dependencies, impacts, risks, and/or opportunities**

☒ Locations with substantive dependencies, impacts, risks, and/or opportunities relating to water

### **(2.3.4) Description of process to identify priority locations**

*We have used tools such as WRI Aqueduct and WWF Risk Filter to identify water related priority locations in our direct operations.*

### **(2.3.5) Will you be disclosing a list/spatial map of priority locations?**

Select from:

☒ No, we have a list/geospatial map of priority locations, but we will not be disclosing it

[Fixed row]

## (2.4) How does your organization define substantive effects on your organization?

### Risks

#### (2.4.1) Type of definition

Select all that apply

☒ Qualitative

☒ Quantitative

#### (2.4.2) Indicator used to define substantive effect

Select from:

☒ Revenue

#### (2.4.3) Change to indicator

Select from:

☒ % decrease

#### (2.4.4) % change to indicator

Select from:

☒ 1-10

#### (2.4.6) Metrics considered in definition

Select all that apply

☒ Frequency of effect occurring

☒ Time horizon over which the effect occurs

☒ Likelihood of effect occurring

## (2.4.7) Application of definition

*A quantifiable indicator for a material impact is one that affects revenue, expenses, or profit by more than 20M or affects 5% of revenue or profit within a business unit.*

### Opportunities

## (2.4.1) Type of definition

*Select all that apply*

☒ Qualitative

☒ Quantitative

## (2.4.2) Indicator used to define substantive effect

*Select from:*

☒ Revenue

## (2.4.3) Change to indicator

*Select from:*

☒ % increase

## (2.4.4) % change to indicator

*Select from:*

☒ 1-10

## (2.4.6) Metrics considered in definition

*Select all that apply*

☒ Frequency of effect occurring

☒ Time horizon over which the effect occurs

☒ Likelihood of effect occurring

## (2.4.7) Application of definition

*A quantifiable indicator for a material impact is one that affects revenue, expenses, or profit by more than 20M or affects 5% of revenue or profit within a business unit.*

[Add row]

**(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?**

## (2.5.1) Identification and classification of potential water pollutants

Select from:

☒ Yes, we identify and classify our potential water pollutants

## (2.5.2) How potential water pollutants are identified and classified

*Lumentum adheres to global standards and regional regulations to identify, classify, and manage water pollutants. Our internal policies, including EHS global standards on wastewater management, guide the identification and mitigation of potential pollutants and associated risks. We hold site-specific permits or licenses to ensure compliance with metrics that prevent harmful impacts on water bodies and ecosystems. Most manufacturing sites operate under ISO 14001-certified environmental management systems, which include emergency response processes for potential risks. We collaborate with local regulators to manage pollutants and maintain compliance with both internal policies and broader obligations. Key metrics include wastewater quality, COD, BOD, pH, and TSS levels, tailored to site operations and materials. Success is measured through EHS targets, ongoing compliance, and tracking to maintain EMS targets of 0 environmental non-conformances. Environmental aspect reviews determine whether water pollutants are significant for each site on sites with 14001 systems, and we work with Workplace Services and Facilities teams to ensure local regulatory compliance against applicable regulations, licenses and permits.*

[Fixed row]

**(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.**

Row 1

## (2.5.1.1) Water pollutant category

Select from:

☒ Inorganic pollutants

### (2.5.1.2) Description of water pollutant and potential impacts

*Heavy metals ammonia etc. Metals and other chemicals may be used in our manufacturing processes. If these are not managed correctly and are released to mains effluent or into surface water, they could cause water pollution and impact upon local compliance requirements (e.g. permit or licence conditions) In the worst cases, this could cause water pollution that impacts the ecosystem's our sites and operations are in.*

### (2.5.1.3) Value chain stage

Select all that apply

☒ Direct operations

### (2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

- ☒ Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
- ☒ Beyond compliance with regulatory requirements
- ☒ Industrial and chemical accidents prevention, preparedness, and response
- ☒ Reduction or phase out of hazardous substances
- ☒ Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

### (2.5.1.5) Please explain

*Across our sites, and dependent on production processes, various pollutants can contaminate process wastewater that we generate. We apply a range of measures to manage this depending on the site. This ranges from pH adjustment, fluorides to remove heavy metal, pretreatment by precipitation, and anaerobic treatment before submitting the production auxiliary sewage water for further treatment by certified providers in order to minimize impacts on water ecosystems and human health. Our manufacturing sites continuously monitor leakages and work to prevent them and ensure resilience of critical infrastructure and storage. EHS chemical and industrial accidents prevention, preparedness and response are in place across all sites through the site EHS managements systems. Some sites go beyond regulatory requirements, but at the minimum, we comply with applicable regulatory requirements in all our regions of accountability. Our Product Compliance team work closely with our R&D teams to identify opportunities to reduce or phase out hazardous substances. We measure and evaluate success in this area as continued compliance with regulatory and environmental requirements and zero environmental incident targets within our EMS.*

Row 3

### (2.5.1.1) Water pollutant category

Select from:

- ☒ Other nutrients and oxygen demanding pollutants

### (2.5.1.2) Description of water pollutant and potential impacts

*BOD, COD, oils. One potential impact of these pollutants is strain upon municipal sewer systems if effluent is not within consent or licence limits, or contribution toward water pollution in the instance of uncontrolled releases. The oxygen demanding pollutants can contribute to death of marine life and plants in the event of pollution. We manage the risk of these impacts by treating effluent within our licence/consent conditions as appropriate, and by not directly releasing untreated wastewater into the natural environment,*

### (2.5.1.3) Value chain stage

Select all that apply

- ☒ Direct operations

### (2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

- ☒ Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
- ☒ Beyond compliance with regulatory requirements
- ☒ Industrial and chemical accidents prevention, preparedness, and response
- ☒ Reduction or phase out of hazardous substances
- ☒ Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

### (2.5.1.5) Please explain

*Across our sites, depending on production processes, various pollutants contaminate water that we use. We apply pH adjustment, fluorides to remove heavy metal, pre-treat by precipitation and anaerobic treatment, before submitting the production/auxiliary sewage water for further treatment by certified providers, in order to minimize impacts on water ecosystems and human health as a result. Our manufacturing sites continuously monitor leakages and work to prevent them. EHS chemical and industrial accidents prevention, preparedness and response are in place across all sites. Some sites go beyond regulatory requirements but at the minimum we comply with applicable regulatory requirements in all our regions of accountability. We measure success in this area as compliance with these environmental requirements.*



## Row 4

### (2.5.1.1) Water pollutant category

Select from:

- ☒ Other physical pollutants

### (2.5.1.2) Description of water pollutant and potential impacts

*Suspended solids. Suspended solids are small particles of solids that remain in suspension within water, e.g. organic matter and other debris and can contribute to water pollution. The potential impacts include harm to natural water ecosystems through reduced light penetration and habitat degradation. We manage the risk of these impacts by treating effluent within our licence/ consent conditions as appropriate, and by not directly releasing untreated wastewater into the natural environment,*

### (2.5.1.3) Value chain stage

Select all that apply

- ☒ Direct operations

### (2.5.1.4) Actions and procedures to minimize adverse impacts

Select all that apply

- ☒ Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience
- ☒ Beyond compliance with regulatory requirements
- ☒ Industrial and chemical accidents prevention, preparedness, and response
- ☒ Reduction or phase out of hazardous substances
- ☒ Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

### (2.5.1.5) Please explain

*Across our sites, depending on production processes, various pollutants contaminate water that we use. We apply pH adjustment, fluorides to remove heavy metal, pre-treat by precipitation and anaerobic treatment, before submitting the production/auxiliary sewage water for further treatment by certified providers, in order to minimize impacts on water ecosystems and human health as a result. Our manufacturing sites continuously monitor leakages and work to prevent them. EHS chemical and industrial accidents prevention, preparedness and response are in place across all sites. Some sites go beyond regulatory requirements but at the*

*minimum we comply with applicable regulatory requirements in all our regions of accountability. We measure and evaluate success in this area as compliance with regulatory and environmental requirements.*

*[Add row]*

### C3. Disclosure of risks and opportunities

**(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

#### Climate change

##### **(3.1.1) Environmental risks identified**

*Select from:*

☒ Yes, both in direct operations and upstream/downstream value chain

#### Water

##### **(3.1.1) Environmental risks identified**

*Select from:*

☒ Yes, both in direct operations and upstream/downstream value chain

#### Plastics

##### **(3.1.1) Environmental risks identified**

*Select from:*

☒ No

##### **(3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain**

*Select from:*

☒ Not an immediate strategic priority

### (3.1.3) Please explain

*At this time, plastics is not an immediate strategic priority. Lumentum works to minimize plastic consumption in packaging, however, there is no corporate-level effort to measure and manage it.*

*[Fixed row]*

**(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

#### **Climate change**

##### (3.1.1.1) Risk identifier

*Select from:*

☒ Risk1

##### (3.1.1.3) Risk types and primary environmental risk driver

###### **Policy**

☒ Carbon pricing mechanisms

##### (3.1.1.4) Value chain stage where the risk occurs

*Select from:*

☒ Direct operations

##### (3.1.1.6) Country/area where the risk occurs

*Select all that apply*

☒ China

☒ Japan

☒ Slovenia

☒ United Kingdom of Great Britain and Northern Ireland

- ☒ Thailand
- ☒ United States of America

### **(3.1.1.9) Organization-specific description of risk**

*Our manufacturing operations require significant amounts of electricity to develop and manufacture our products. We expect to continue to expand our manufacturing capabilities and energy use, particularly in Thailand where the cost of electricity is relatively low, but there may be higher likelihood of emissions regulation. We also have manufacturing operations in China, Japan, the United States, the UK and Slovenia where climate change related regulations or carbon pricing mechanisms are likely to be introduced and/or tightened.*

### **(3.1.1.11) Primary financial effect of the risk**

*Select from:*

- ☒ Increased indirect [operating] costs

### **(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization**

*Select all that apply*

- ☒ Medium-term

### **(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon**

*Select from:*

- ☒ Likely

### **(3.1.1.14) Magnitude**

*Select from:*

- ☒ Medium-high

### **(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*Increased carbon regulation could increase the energy cost of direct operations and increase the costs of purchased goods and service. See "anticipated financial effect" column.*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ Yes

### (3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)

19000000

### (3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)

50000000

### (3.1.1.25) Explanation of financial effect figure

*Figures are estimated based on a 50/MT to 100/MT price on carbon based on our FY23 direct emissions assuming our emissions increase to 100,000 MT/year. This figure covers a 5-year period.*

### (3.1.1.26) Primary response to risk

#### Infrastructure, technology and spending

☒ Increase environment-related capital expenditure

### (3.1.1.27) Cost of response to risk

17450000

### (3.1.1.28) Explanation of cost calculation

*This figure assumes one-time setup costs for these different initiatives that resulting in a 1% increase in SG&A costs per year over a 5-year period. The cost of response to the risk is calculated over 5 years and includes the projected costs to install on-site solar plants, purchase of renewable energy and the CAPEX associated with planned energy efficiency projects.*

### (3.1.1.29) Description of response

*We manage this risk primarily by reducing our emissions footprint. We are sourcing renewable energy and installing on-site solar in viable sites across our operating footprint. For example, we have installed solar on our Slovenia plant and contracted the install of a solar array on our Thailand, Slovenia and San Jose sites, which would help to mitigate our exposure to increased electricity prices. In addition, 61% of our global electricity was from renewable sources by the end of the reporting period (June 2023) and will reach about 80% in the following year. We've tasked our facility managers with pursuing energy efficiency opportunities across our operations; this cost is built into existing budgets.*

## Water

### (3.1.1.1) Risk identifier

Select from:

☒ Risk1

### (3.1.1.3) Risk types and primary environmental risk driver

**Chronic physical**

☒ Water stress

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

☒ Thailand

### (3.1.1.7) River basin where the risk occurs

Select all that apply

☒ Chao Phraya

### (3.1.1.9) Organization-specific description of risk

*Yes, within our direct operations we have identified a manufacturing site that uses water within its wider processes that is located within an area of higher risk for water stress. This site has water dependencies due to using water within its wider operational processes. While this is there is not having a substantive impact on the business in the present, or likely immediate future, we are aware from the WRI Aqueduct risk atlas that water stress could have an effect on the area in the distant future. We are mitigating against this through water targets and work to improve water efficiency which will help reduce the site-specific risks in the future.*

#### **(3.1.1.11) Primary financial effect of the risk**

Select from:

☒ Decreased revenues due to reduced production capacity

#### **(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization**

Select all that apply

☒ Long-term

#### **(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon**

Select from:

☒ Unlikely

#### **(3.1.1.14) Magnitude**

Select from:

☒ Low

#### **(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*We do not anticipate the risk to have a substantial effect on the financial position, performance or cash flow of the organisation in the future time horizons. We may find indirect costs increase due to water stress so are working to minimise impacts by prioritising water efficiency and water withdrawal reductions wherever possible.*

#### **(3.1.1.17) Are you able to quantify the financial effect of the risk?**

Select from:

☒ No



### (3.1.1.26) Primary response to risk

#### Infrastructure, technology and spending

☒ Adopt water efficiency, water reuse, recycling and conservation practices

### (3.1.1.27) Cost of response to risk

0

### (3.1.1.28) Explanation of cost calculation

*We have not yet quantified this fully*

### (3.1.1.29) Description of response

*We have adopted water targets and are promoting awareness of water related issues across this site and our wider Lumentum portfolio.*

## Climate change

### (3.1.1.1) Risk identifier

Select from:

☒ Risk2

### (3.1.1.3) Risk types and primary environmental risk driver

#### Acute physical

☒ Cyclone, hurricane, typhoon

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

☒ Upstream value chain

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- ☒ China
- ☒ Japan
- ☒ Thailand

### (3.1.1.9) Organization-specific description of risk

*We operate a complex global supply chain and rely on on-time logistics to manufacture and deliver our products. In some cases, we rely on single suppliers for critical inputs that operate in Southeast Asia, an area prone to extreme weather events. An increase in either the severity or frequency of events could lead to our supply partners to shut down, either temporarily or permanently, resulting in a critical supply risk for key components necessary for product development.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- ☒ Increased indirect [operating] costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Short-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- ☒ About as likely as not

### (3.1.1.14) Magnitude

Select from:

- ☒ Medium

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*An increase in either the severity or frequency of events could lead to our supply partners to shut down, either temporarily or permanently, resulting in a critical supply risk for key components necessary for product development.*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

☒ Yes

### (3.1.1.19) Anticipated financial effect figure in the short-term – minimum (currency)

8800000

### (3.1.1.20) Anticipated financial effect figure in the short-term – maximum (currency)

26500000

### (3.1.1.25) Explanation of financial effect figure

*Should a critical supply partner be unable to provide inputs on time, or shut down operations, this could lead to lost revenue opportunities. Figures are estimated based upon a one-time 0.5% - 1.5% loss of revenue.*

### (3.1.1.26) Primary response to risk

#### Diversification

☒ Increase supplier diversification

### (3.1.1.27) Cost of response to risk

164000000

### (3.1.1.28) Explanation of cost calculation

*The R&D costs to develop this capability, capital expenditures to set up production lines and operating costs to produce these components could pose a significant cost to the business. Costs are estimated based on a 5% increase to our R&D budget and a 5% increase to our SG&A budget over a 5-year period.*

### **(3.1.1.29) Description of response**

*We have identified risks based on sole source suppliers and are investigating dual sourcing all critical components. In addition, we are assessing our capability to develop and manufacture critical components when we cannot identify a suitable dual source supplier.*

*[Add row]*

## **(3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks.**

### **Climate change**

#### **(3.1.2.1) Financial metric**

*Select from:*

☒ Revenue

#### **(3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)**

1767000000

#### **(3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue**

*Select from:*

☒ Less than 1%

#### **(3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)**

1767000000

### (3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

☒ Less than 1%

### (3.1.2.7) Explanation of financial figures

See 3.1.1 for quantification. Numbers in this question are costs for one year divided by revenue. Costs shown are for Transitional risks due to CO2 pricing and Physical risks due to changing climate conditions and extreme events.

## Water

### (3.1.2.1) Financial metric

Select from:

☒ Revenue

### (3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

8500000

### (3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

☒ Less than 1%

### (3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)

8500000

### (3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

☒ Less than 1%

### (3.1.2.7) Explanation of financial figures

*We operate a complex global supply chain and rely on on-time logistics to manufacture and deliver our products. Should water related risks such as flooding or water stress affect a critical supply partner to the extent they are be unable to provide inputs on time, or shut down operations, this could lead to lost revenue opportunities.*

*Figures are estimated based upon a one-time 0.5% (approx.) loss of revenue.*

*[Add row]*

**(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?**

**Row 1**

### (3.2.1) Country/Area & River basin

**Thailand**

☒ Chao Phraya

### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

*Select all that apply*

☒ Direct operations

### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

1

### (3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

*Select from:*

☒ 1-25%

### (3.2.10) % organization's total global revenue that could be affected

Select from:

☒ Unknown

### (3.2.11) Please explain

*Not anticipated to impact upon total global revenue*

[Add row]

### (3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?

	Water-related regulatory violations	Comment
	Select from: <input checked="" type="checkbox"/> No	<i>We did not receive any fines, enforcement orders or other penalties for water-related regulatory violations</i>

[Fixed row]

### (3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Select from:

☒ Yes

#### (3.5.1) Select the carbon pricing regulation(s) which impact your operations.

Select all that apply

☒ Shenzhen pilot ETS

**(3.5.2) Provide details of each Emissions Trading Scheme (ETS) your organization is regulated by.**

**Shenzhen pilot ETS**

**(3.5.2.1) % of Scope 1 emissions covered by the ETS**

100

**(3.5.2.2) % of Scope 2 emissions covered by the ETS**

100

**(3.5.2.3) Period start date**

12/31/2022

**(3.5.2.4) Period end date**

06/29/2023

**(3.5.2.5) Allowances allocated**

11415

**(3.5.2.6) Allowances purchased**

1862

**(3.5.2.7) Verified Scope 1 emissions in metric tons CO2e**

8.65

**(3.5.2.8) Verified Scope 2 emissions in metric tons CO2e**

13774



### (3.5.2.9) Details of ownership

Select from:

☒ Facilities we own and operate

### (3.5.2.10) Comment

One site only

[Fixed row]

### (3.5.4) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

*We annually report and complete assurance for the Scope 1 and Scope 2 emissions on these sites. We will comply by purchasing the required allowances. We are actively pursuing GHG reduction activities on the sites to reduce the requirement for purchase of allowances and these sites are part of our Scope 1/2 Net zero target of 2030.*

### (3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?

	Environmental opportunities identified
Climate change	Select from: <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized
Water	Select from: <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized

[Fixed row]

### (3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.

## Climate change

### (3.6.1.1) Opportunity identifier

Select from:

☒ Opp1

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Products and services

☒ Development of new products or services through R&D and innovation

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

☒ Downstream value chain

### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

☒ China

☒ Japan

☒ Slovenia

☒ Thailand

☒ United States of America

☒ United Kingdom of Great Britain and Northern Ireland

### (3.6.1.8) Organization specific description

*Lumentum's advances in its products and technologies are helping to increase power efficiency. If the demand for our products increases, we have opportunities to increase our market share of existing products. For example, a comparative analysis was performed on our high-speed coherent optical data transmission modules, which are used in internet backbone applications, on a basis of Watts per Gigabit (W/Gb), from 100 Gigabits per second to 800 Gigabits per second, and from the Generation 1 (Gen1) to Generation 3 (Gen3) modules. We achieved a power efficiency improvement from Gen1 to Gen3 of 79% (W/Gb). Similarly, with the launch of our 100G B5 PAM4 externally modulated laser (EML), the laser power consumption per 100Gbps (Gigabits per second) was reduced by 53% over the preceding 50G B4 PAM4 EML and reduced by 80% from the original 25G B2 EML product, reducing overall energy requirements of cloud data centers.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- ☒ Increased revenues resulting from increased demand for products and services

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Medium-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- ☒ Likely (66–100%)

### (3.6.1.12) Magnitude

Select from:

- ☒ Medium-high

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

See "financial effect" column

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

- ☒ Yes

### (3.6.1.19) Anticipated financial effect figure in the medium-term - minimum (currency)

88000000

### (3.6.1.20) Anticipated financial effect figure in the medium-term - maximum (currency)

442000000

### (3.6.1.23) Explanation of financial effect figures

*Figures are estimated based on an increase in demand for our products resulting in an increase our revenue of 1% - 5% over a 5-year period.*

### (3.6.1.24) Cost to realize opportunity

308000000

### (3.6.1.25) Explanation of cost calculation

*These costs are considered in-kind with Lumentum's regular cost of R&D and is contained within Lumentum's R&D spend. As this aspect of product design is not categorized as an individual spend level, the "cost to realize opportunity" listed above is the full Lumentum R&D budget over 1 year.*

### (3.6.1.26) Strategy to realize opportunity

*Our R&D teams are essential to driving energy efficiency in our products, and efficiency is a key design element when introducing new concepts (see example in Company-specific description). Increased capacity in our R&D teams will increase our ability to create products that meet the future demands and investigate ways to integrate our technologies into new markets.*

## Water

### (3.6.1.1) Opportunity identifier

Select from:

☒ Opp1

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Resource efficiency

☒ Reduced water usage and consumption

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- ☒ Direct operations

### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

- ☒ China
- ☒ Japan
- ☒ Thailand
- ☒ United Kingdom of Great Britain and Northern Ireland
- ☒ United States of America

### (3.6.1.6) River basin where the opportunity occurs

Select all that apply

- ☒ Chao Phraya

### (3.6.1.8) Organization specific description

*We have identified opportunities to improve process improvements and cost efficiency at our manufacturing sites through our water reduction initiatives. Our manufacturing sites have established or are working towards establishing site targets that support our Global water reduction goal and are simultaneously identifying opportunities and site-specific projects to help reduce water withdrawals in line with this. In the reporting year, this included some capital improvements at one site around wafer cutting tools and site facilities teams have also implemented or explored relevant water reduction initiatives, like flow restrictors, automatic faucets, etc. At some sites, improvements over the last few years have led to significant reductions in water withdrawal, including at one facility in San Jose which has achieved a 45% reduction in the monthly average water usage since 2021.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- ☒ Reduced indirect (operating) costs

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- ☒ Short-term

☒ Medium-term

☒ Long-term

#### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

☒ More likely than not (50–100%)

#### (3.6.1.12) Magnitude

Select from:

☒ Low

#### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Unknown at present. Would likely only apply to reduced indirect operational costs in water withdrawals, etc*

#### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

☒ No

#### (3.6.1.24) Cost to realize opportunity

0

#### (3.6.1.25) Explanation of cost calculation

N/A

#### (3.6.1.26) Strategy to realize opportunity

*We have set site targets and are working with the relevant teams to identify any projects, both capex and in general expenditure, that would support water withdrawal reductions. In recent years, we have seen some sites significantly decrease water withdrawals through improvements, awareness and other initiatives. We are reviewing how we can enhance these benefits and the applicability of the projects at similar sites within Lumentum.*

## Climate change

### (3.6.1.1) Opportunity identifier

*Select from:*

☒ Opp3

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Markets

☒ Expansion into new markets

### (3.6.1.4) Value chain stage where the opportunity occurs

*Select from:*

☒ Downstream value chain

### (3.6.1.5) Country/area where the opportunity occurs

*Select all that apply*

☒ China

☒ Japan

☒ Thailand

☒ United Kingdom of Great Britain and Northern Ireland

☒ United States of America

### (3.6.1.8) Organization specific description

*Lumentum aims to foster a culture of innovation across the organization – where all are encouraged to find and support new and creative ways to solve problems. Our legacy of innovation is evident in our product leadership positions and extensive intellectual property portfolio. We own nearly 1,000 US patents and 800 foreign*

patents and have nearly 600 patent applications pending throughout the world. Our patent portfolio is constantly evolving, with strengths in optical switching, 3D sensing, photonic integrated circuits and ultrafast lasers. If we translate our energy efficiency technologies and intellectual property into new products that address needs in new markets, we have significant opportunity for new revenue streams. 2 examples of new markets relating to sustainable practices for Lumentums high-power ultrashort-pulse lasers are: 1) Manufacturing of solar cells. This market is a strongly growing market with approximately 95% of commercial cells based on silicon wafer technology. Our micromachining lasers offer increased throughput and precision that these manufacturing processes require. 2) EV Batteries: The race to develop solid-state batteries or silicon anodes with higher energy density is accelerating. Lumentum lasers can decrease the costs and create cells with higher energy and power density and solve challenges in battery cell manufacturing including electrode cutting, laser patterning, ablation, notching, slitting, and surface structuring.

#### **(3.6.1.9) Primary financial effect of the opportunity**

Select from:

- ☒ Increased revenues resulting from increased demand for products and services

#### **(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization**

Select all that apply

- ☒ Long-term

#### **(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon**

Select from:

- ☒ Likely (66–100%)

#### **(3.6.1.12) Magnitude**

Select from:

- ☒ Medium-high

#### **(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

See "financial effect" column

#### **(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**



Select from:

☒ Yes

#### (3.6.1.21) Anticipated financial effect figure in the long-term - minimum (currency)

221000000

#### (3.6.1.22) Anticipated financial effect figure in the long-term – maximum (currency)

441000000

#### (3.6.1.23) Explanation of financial effect figures

*Figures are estimated assuming a 2.5% - 5% increase in annual revenue due to breakthroughs in new markets over a 5-year period.*

#### (3.6.1.24) Cost to realize opportunity

590000000

#### (3.6.1.25) Explanation of cost calculation

*Costs are estimated based on a 10% increase to our R&D budget and a 25% increase to our SG&A budget over a 5-year period. See examples in Company-specific description*

#### (3.6.1.26) Strategy to realize opportunity

*The R&D costs to develop new capabilities, capital expenditures to set up production lines, operating costs to produce these components, and the creation and staffing of a new business unit with the organization could pose a significant cost to the business.*

*[Add row]*

**(3.6.2) Provide the amount and proportion of your financial metrics in the reporting year that are aligned with the substantive effects of environmental opportunities.**

**Climate change**

### (3.6.2.1) Financial metric

Select from:

☒ Revenue

### (3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

1767000

### (3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

☒ 1-10%

### (3.6.2.4) Explanation of financial figures

*Calculated in 3..6.1 Revenue is calculated for provision of new products which are more energy efficient and development of new markets.*

## Water

### (3.6.2.1) Financial metric

Select from:

☒ OPEX

### (3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

0

### (3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

☒ Less than 1%

#### (3.6.2.4) Explanation of financial figures

*We are not able to provide financial metrics for this yet*  
*[Add row]*

## C4. Governance

### (4.1) Does your organization have a board of directors or an equivalent governing body?

#### (4.1.1) Board of directors or equivalent governing body

Select from:

☒ Yes

#### (4.1.2) Frequency with which the board or equivalent meets

Select from:

☒ Quarterly

#### (4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

☒ Executive directors or equivalent

#### (4.1.4) Board diversity and inclusion policy

Select from:

☒ Yes, and it is publicly available

#### (4.1.5) Briefly describe what the policy covers

*Our Corporate Governance Guidelines are available on Lumentum's website and includes a section on diversity and processes when selected new candidates for the Board or Governance Committee*

#### (4.1.6) Attach the policy (optional)

*LITE 2023 Proxy pages 20-21.pdf*  
*[Fixed row]*

## **(4.1.1) Is there board-level oversight of environmental issues within your organization?**

### **Climate change**

#### **(4.1.1.1) Board-level oversight of this environmental issue**

Select from:

☒ Yes

### **Water**

#### **(4.1.1.1) Board-level oversight of this environmental issue**

Select from:

☒ No, but we plan to within the next two years

#### **(4.1.1.2) Primary reason for no board-level oversight of this environmental issue**

Select from:

☒ Not an immediate strategic priority

#### **(4.1.1.3) Explain why your organization does not have board-level oversight of this environmental issue**

*At this point in time, our sustainability programme has prioritised our climate programme as an immediate strategic priority. Our water programme is continually evolving and we anticipate that within the next 2 years we will add board level oversight for water. Progress against our water target is discussed at quarterly board reviews.*

### **Biodiversity**

#### **(4.1.1.1) Board-level oversight of this environmental issue**

Select from:

☒ No, and we do not plan to within the next two years

#### **(4.1.1.2) Primary reason for no board-level oversight of this environmental issue**

Select from:

☒ Not an immediate strategic priority

#### **(4.1.1.3) Explain why your organization does not have board-level oversight of this environmental issue**

*This is not an immediate strategic priority however we are reviewing biodiversity at site level for sites with higher biodiversity considerations*  
*[Fixed row]*

**(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board's oversight of environmental issues.**

**Climate change**

#### **(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue**

Select all that apply

☒ Director on board

☒ Board-level committee

#### **(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board**

Select from:

☒ Yes

#### **(4.1.2.3) Policies which outline the positions' accountability for this environmental issue**

Select all that apply

☒ Board Terms of Reference

☒ Board mandate

☒ Individual role descriptions

☒ Other policy applicable to the board, please specify

#### **(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item**

Select from:

- ☒ Scheduled agenda item in every board meeting (standing agenda item)

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

- ☒ Overseeing the setting of corporate targets  
☒ Approving and/or overseeing employee incentives

#### (4.1.2.7) Please explain

*Board-level Committee: The Governance Committee is responsible for oversight consistent with the policies and programs supporting our CSR strategy. This includes energy and emissions strategy and target setting. For example, in FY20 our board requested climate-related goals and accepted our recommendations to implement short-term goals for the procurement of renewable electricity, and subsequently reduced emissions in certain business activities. In FY21, the board accepted the Sustainability Council recommendation on the implementation of a net-zero target (scope 1 & 2) by 2030 for our business operations. In FY22, the board supported Lumentum's commitment to setting a science-based emission reduction target, in line with the Science Based Targets initiative (SBTi). Director on board: Lumentum's Board nominated a Board Member as a Sustainability Liaison who participates in regular meetings of the Sustainability Council. The Sustainability Council develops the Sustainability Strategy and drives performance within Lumentum, including our energy and emissions strategy and targets. The Sustainability Council activities are reported to the board on a quarterly basis. The Board of Directors nominates a Sustainability Liaison to work closely with the Sustainability Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the Sustainability Council. The Sustainability Council activities and ESG progress are reviewed quarterly during regular board sessions.*

[Fixed row]

### (4.2) Does your organization's board have competency on environmental issues?

#### Climate change

#### (4.2.1) Board-level competency on this environmental issue

Select from:

- ☒ Yes

#### (4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

- ☒ Having at least one board member with expertise on this environmental issue

### (4.2.3) Environmental expertise of the board member

#### Experience

- ☒ Executive-level experience in a role focused on environmental issues

## Water

### (4.2.1) Board-level competency on this environmental issue

Select from:

- ☒ Yes

### (4.2.2) Mechanisms to maintain an environmentally competent board

Select all that apply

- ☒ Consulting regularly with an internal, permanent, subject-expert working group
- ☒ Having at least one board member with expertise on this environmental issue

### (4.2.3) Environmental expertise of the board member

#### Experience

- ☒ Executive-level experience in a role focused on environmental issues

[Fixed row]

### (4.3) Is there management-level responsibility for environmental issues within your organization?



	Management-level responsibility for this environmental issue	Primary reason for no management-level responsibility for environmental issues	Explain why your organization does not have management-level responsibility for environmental issues
Climate change	Select from: <input checked="" type="checkbox"/> Yes	Select from:	Rich text input [must be under 2500 characters]
Water	Select from: <input checked="" type="checkbox"/> Yes	Select from:	Rich text input [must be under 2500 characters]
Biodiversity	Select from: <input checked="" type="checkbox"/> No, but we plan to within the next two years	Select from: <input checked="" type="checkbox"/> Not an immediate strategic priority	Our Sustainability team are planning to undertake a basic analysis of biodiversity risks and opportunities across our sites during FY25.

[Fixed row]

### (4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).

#### Climate change

#### (4.3.1.1) Position of individual or committee with responsibility

##### Executive level

☒ Other C-Suite Officer, please specify

#### (4.3.1.2) Environmental responsibilities of this position

##### Dependencies, impacts, risks and opportunities

☒ Assessing environmental dependencies, impacts, risks, and opportunities

##### Policies, commitments, and targets

☒ Monitoring compliance with corporate environmental policies and/or commitments

- ☒ Setting corporate environmental targets

#### (4.3.1.4) Reporting line

Select from:

- ☒ Reports to the Chief Executive Officer (CEO)

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- ☒ Quarterly

#### (4.3.1.6) Please explain

*The SVP Global Operations and Chief Quality Officer is the Executive Sponsor of the cross-functional Sustainability Council described below and is responsible for the Sustainability department.*

### Water

#### (4.3.1.1) Position of individual or committee with responsibility

##### Executive level

- ☒ Other C-Suite Officer, please specify

#### (4.3.1.2) Environmental responsibilities of this position

##### Policies, commitments, and targets

- ☒ Monitoring compliance with corporate environmental policies and/or commitments
- ☒ Setting corporate environmental targets

##### Strategy and financial planning

- ☒ Managing annual budgets related to environmental issues

#### (4.3.1.4) Reporting line

Select from:

- ☒ Reports to the Chief Executive Officer (CEO)

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- ☒ Quarterly

#### (4.3.1.6) Please explain

*The SVP Global Operations and Chief Quality Officer is the Executive Sponsor of the cross functional Sustainability Council described below and is responsible for the Sustainability department.*

### Climate change

#### (4.3.1.1) Position of individual or committee with responsibility

##### Committee

- ☒ Corporate responsibility committee

#### (4.3.1.2) Environmental responsibilities of this position

##### Dependencies, impacts, risks and opportunities

- ☒ Assessing environmental dependencies, impacts, risks, and opportunities

##### Policies, commitments, and targets

- ☒ Monitoring compliance with corporate environmental policies and/or commitments
- ☒ Measuring progress towards environmental corporate targets
- ☒ Measuring progress towards environmental science-based targets
- ☒ Setting corporate environmental policies and/or commitments
- ☒ Setting corporate environmental targets

## Strategy and financial planning

- ☒ Developing a climate transition plan

### (4.3.1.4) Reporting line

Select from:

- ☒ Other, please specify :Reports to the board/CSR Liaison

### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- ☒ Quarterly

### (4.3.1.6) Please explain

*Led by the Sustainability Council Chair and the Executive Sponsor, SVP Global Operations and Chief Quality Officer, our cross-functional Sustainability Council is composed of representatives from all business departments including Human Resources, Environment Health and Safety (EHS), Supply Chain, Legal, and Operations, as well as leaders from each business platform. Each member serves as a representative of their respective department and is responsible for determining the relevance of emerging topics, developing associated action plans, and disseminating information related to sustainability at Lumentum to their team. Sustainability Council activities are reported to the CEO and Board of Directors on a quarterly basis. The Governance Committee is responsible for oversight of the policies and programs supporting our sustainability strategy. The Board of Directors also nominates a Sustainability Liaison who works closely with the Sustainability Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the Sustainability Council.*

## Water

### (4.3.1.1) Position of individual or committee with responsibility

#### Committee

- ☒ Corporate responsibility committee

### (4.3.1.2) Environmental responsibilities of this position

### Dependencies, impacts, risks and opportunities

- ☒ Assessing environmental dependencies, impacts, risks, and opportunities
- ☒ Assessing future trends in environmental dependencies, impacts, risks, and opportunities

### Policies, commitments, and targets

- ☒ Setting corporate environmental policies and/or commitments
- ☒ Setting corporate environmental targets

#### (4.3.1.4) Reporting line

Select from:

- ☒ Other, please specify :Reports to the board/CSR Liaison

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- ☒ Quarterly

#### (4.3.1.6) Please explain

*Led by the Sustainability Council Chair and the Executive Sponsor, SVP Global Operations and Chief Quality Officer, our cross-functional Sustainability Council is composed of representatives from all business departments including Human Resources, Environment Health and Safety (EHS), Supply Chain, Legal, and Operations, as well as leaders from each business platform. Each member serves as a representative of their respective department and is responsible for determining the relevance of emerging topics, developing associated action plans, and disseminating information related to sustainability at Lumentum to their team. Sustainability Council activities are reported to the CEO and Board of Directors on a quarterly basis. The Governance Committee is responsible for oversight of the policies and programs supporting our sustainability strategy. The Board of Directors also nominates a Sustainability Liaison who works closely with the Sustainability Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the Sustainability Council.*

[Add row]

### (4.4) Does your organization have management-level competency on environmental issues?

	Management-level competency on this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

## (4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

### Climate change

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

☒ Yes

#### (4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

30

#### (4.5.3) Please explain

Performance stock units are granted to our named executive officers are eligible to vest based on achievements against a scorecard of Strategic and Corporate Responsibility metrics. The scorecard includes progress on an emissions intensity reduction target Lumentum executive compensation is tied to achieving our GHG emission Goals. 30% of the incentive is based on achievements against a scorecard of strategic and corporate responsibility metric (see Lumentum Proxy)

### Water

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

☒ No, and we do not plan to introduce them in the next two years

### (4.5.3) Please explain

*At present, we have prioritised our climate programme in terms of monetary incentives to named executive officers*

*[Fixed row]*

**(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals).**

## Climate change

### (4.5.1.1) Position entitled to monetary incentive

#### Board or executive level

☒ Board/Executive board

### (4.5.1.2) Incentives

*Select all that apply*

☒ Shares

### (4.5.1.3) Performance metrics

#### Targets

☒ Reduction in absolute emissions in line with net-zero target

#### Emission reduction

☒ Reduction in emissions intensity

### (4.5.1.4) Incentive plan the incentives are linked to

Select from:

☒ Both Short-Term and Long-Term Incentive Plan, or equivalent

#### (4.5.1.5) Further details of incentives

*Performance stock units are granted to our named executive officers are eligible to vest based on achievements against a scorecard of Strategic and Corporate Responsibility metrics. The scorecard includes progress on an emissions intensity reduction target.*

#### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

*Lumentum executive compensation is tied to achieving our GHG emission Goals.*

### Climate change

#### (4.5.1.1) Position entitled to monetary incentive

##### Board or executive level

☒ Chief Financial Officer (CFO)

#### (4.5.1.2) Incentives

Select all that apply

☒ Shares

#### (4.5.1.3) Performance metrics

##### Targets

☒ Reduction in absolute emissions in line with net-zero target

#### (4.5.1.4) Incentive plan the incentives are linked to

Select from:



☒ Both Short-Term and Long-Term Incentive Plan, or equivalent

**(4.5.1.5) Further details of incentives**

Performance stock units are granted to our named executive officers are eligible to vest based on achievements against a scorecard of Strategic and Corporate Responsibility metrics. The scorecard includes progress on an emissions intensity reduction target.

**(4.5.1.6) How the position’s incentives contribute to the achievement of your environmental commitments and/or climate transition plan**

Lumentum executive compensation is tied to achieving our GHG emission Goals.  
[Add row]

**(4.6) Does your organization have an environmental policy that addresses environmental issues?**

	Does your organization have any environmental policies?
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.6.1) Provide details of your environmental policies.**

**Row 1**

**(4.6.1.1) Environmental issues covered**

Select all that apply  
☒ Climate change

#### (4.6.1.2) Level of coverage

Select from:

- ☒ Organization-wide

#### (4.6.1.3) Value chain stages covered

Select all that apply

- ☒ Direct operations
- ☒ Upstream value chain

#### (4.6.1.4) Explain the coverage

*Our Global Environment, Health and Safety Policy states that we are committed to conservation and reducing greenhouse gas emissions, energy and water usage. Our Proxy states that as part of our commitment to a sustainable future, our goals regarding climate change include: -Lighten our environmental footprint by reducing our energy consumption, greenhouse gas (GHG) emissions, water consumption, and waste generation. -Commit to the procurement or generation of renewable energy at all sites. -Push the boundaries to design products and processes that deliver value and delight our customers. -Efficient products with the highest standards. -Net-zero GHG emissions from our global operations (Scope 1 and 2) by 2030 —Reduce GHG emissions intensity by 25% by fiscal 2024 from a fiscal 2021 baseline*

#### (4.6.1.5) Environmental policy content

##### Climate-specific commitments

- ☒ Commitment to net-zero emissions

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

- ☒ Yes, in line with the Paris Agreement

#### (4.6.1.7) Public availability

Select from:

- ☒ Publicly available

#### (4.6.1.8) Attach the policy

*LITE 2023 Proxy.pdf*

### Row 3

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

☒ Water

#### (4.6.1.2) Level of coverage

*Select from:*

☒ Organization-wide

#### (4.6.1.3) Value chain stages covered

*Select all that apply*

☒ Direct operations

#### (4.6.1.4) Explain the coverage

*Our Global EHS policy covers commitments to prevent pollution, eliminate the use of hazardous materials and conservation and reduction of water usage. The policy is publicly available on our website and applies to at an organisation wide level. Sites will have specific water related policies in addition this, as required under their environmental management systems and according to their site impacts.*

#### (4.6.1.5) Environmental policy content

##### **Environmental commitments**

☒ Commitment to comply with regulations and mandatory standards

##### **Water-specific commitments**

☒ Commitment to reduce or phase out hazardous substances

☒ Commitment to control/reduce/eliminate water pollution

- ☒ Commitment to reduce water consumption volumes
- ☒ Commitment to reduce water withdrawal volumes

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

*Select all that apply*

- ☒ No, but we plan to align in the next two years

#### (4.6.1.7) Public availability

*Select from:*

- ☒ Publicly available

#### (4.6.1.8) Attach the policy

*Lumentum Global EHS Policy.pdf*

### Row 4

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

- ☒ Water

#### (4.6.1.2) Level of coverage

*Select from:*

- ☒ Organization-wide

#### (4.6.1.3) Value chain stages covered

*Select all that apply*

- ☒ Direct operations

#### (4.6.1.4) Explain the coverage

*Our CSR policy covers our commitments to the RBA Code of Conduct and to minimize environmental impacts. The policy's RBA commitments include committing to continuous improvement and ensuring compliance against obligations which would include water related issues.*

#### (4.6.1.5) Environmental policy content

##### **Environmental commitments**

☒ Commitment to comply with regulations and mandatory standards

##### **Social commitments**

☒ Adoption of the UN International Labour Organization principles

☒ Commitment to respect internationally recognized human rights

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

*Select all that apply*

☒ No, but we plan to align in the next two years

#### (4.6.1.7) Public availability

*Select from:*

☒ Publicly available

#### (4.6.1.8) Attach the policy

*corporate\_social\_responsibility.pdf*

*[Add row]*

#### (4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

##### (4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

☒ Yes

#### (4.10.2) Collaborative framework or initiative

Select all that apply

☒ Science-Based Targets Initiative (SBTi)

#### (4.10.3) Describe your organization's role within each framework or initiative

*Lumentum committed to SBT in June 2022 and submitted targets for validation in June 2024 for Near -term and long-term 1.5C aligned targets for Scope 1,2,3.  
[Fixed row]*

**(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?**

#### (4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment

Select all that apply

☒ Yes, we engaged indirectly through, and/or provided financial or in-kind support to a trade association or other intermediary organization or individual whose activities could influence policy, law, or regulation

#### (4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals

Select from:

☒ Yes, we have a public commitment or position statement in line with global environmental treaties or policy goals

#### (4.11.3) Global environmental treaties or policy goals in line with public commitment or position statement

Select all that apply

☒ Paris Agreement

#### (4.11.4) Attach commitment or position statement

LITE 2023 Proxy pages 20-21.pdf

#### (4.11.5) Indicate whether your organization is registered on a transparency register

Select from:

☒ No

#### (4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan

*The CSR council and CSR team reviews engagement activities to ensure they are consistent with Lumentum environmental commitments.  
[Fixed row]*

**(4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year.**

**Row 1**

#### (4.11.2.1) Type of indirect engagement

Select from:

☒ Indirect engagement via a trade association

#### (4.11.2.4) Trade association

**Global**

☒ Other global trade association, please specify

#### (4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position

Select all that apply

☒ Climate change

☒ Water

#### (4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with

Select from:

☒ Consistent

#### (4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year

Select from:

☒ Yes, we publicly promoted their current position

#### (4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position

*Environmental sustainability is one of the five pillars of RBA's Code of Conduct. It is the environmental mission of the RBA to ensure that its members and their suppliers are prepared to address an increasingly diverse and sensitive array of challenges around environmental performance, compliance and efficiency within electronics-based industries.*

#### (4.11.2.9) Funding figure your organization provided to this organization or individual in the reporting year (currency)

35000

#### (4.11.2.10) Describe the aim of this funding and how it could influence policy, law or regulation that may impact the environment

*With the ability to engage companies throughout supply chains, the RBA is uniquely positioned to drive environmentally sustainable progress. Lumentum's position does not differ.*

#### (4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals



Select from:

☒ Yes, we have evaluated, and it is aligned

#### (4.11.2.12) Global environmental treaties or policy goals aligned with your organization's engagement on policy, law or regulation

Select all that apply

☒ Paris Agreement

[Add row]

#### (4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response?

Select from:

☒ Yes

(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.

#### Row 1

##### (4.12.1.1) Publication

Select from:

☒ In voluntary sustainability reports

##### (4.12.1.3) Environmental issues covered in publication

Select all that apply

☒ Climate change

☒ Water

##### (4.12.1.4) Status of the publication

Select from:

☒ Complete

#### (4.12.1.5) Content elements

Select all that apply

☒ Strategy

☒ Governance

☒ Emission targets

☒ Emissions figures

☒ Risks & Opportunities

☒ Value chain engagement

☒ Water accounting figures

☒ Water pollution indicators

☒ Content of environmental policies

#### (4.12.1.6) Page/section reference

*Our Sustainability Report is written in line with GRI and SASB standards and published annually. Within this we include updates against all our sustainability targets, including emissions and water targets, emissions figures and water accounting figures, our strategy, risks, opportunities, governance and water pollution indicators and overarching sustainability priorities. The key pages for climate are 18 to 25 and water are 27 to 28, as well as the ESG indices on page 54*

#### (4.12.1.7) Attach the relevant publication

*Lumentum 2023 CSR Report.pdf*

#### (4.12.1.8) Comment

*see <https://www.lumentum.com/en/company/sustainability> <https://resource.lumentum.com/s3fs-public/literature-items/csr2023.pdf>*

### Row 2

#### (4.12.1.1) Publication

Select from:

☒ In mainstream reports

#### (4.12.1.3) Environmental issues covered in publication

Select all that apply

☒ Climate change

#### (4.12.1.4) Status of the publication

Select from:

☒ Complete

#### (4.12.1.5) Content elements

Select all that apply

☒ Content of environmental policies

☒ Governance

☒ Emission targets

#### (4.12.1.6) Page/section reference

*Lumentum Proxy lists our GHG emissions targets*

#### (4.12.1.7) Attach the relevant publication

*LITE 2023 Proxy pages 20-21.pdf*

#### (4.12.1.8) Comment

*see attached proxy*

[Add row]

## C5. Business strategy

### (5.1) Does your organization use scenario analysis to identify environmental outcomes?

#### Climate change

##### (5.1.1) Use of scenario analysis

Select from:

☒ No, but we plan to within the next two years

##### (5.1.3) Primary reason why your organization has not used scenario analysis

Select from:

☒ Not an immediate strategic priority

##### (5.1.4) Explain why your organization has not used scenario analysis

*In 2021, Lumentum committed to achieving net-zero Scope 1 and 2 GHG emissions by 2030. In the reporting year, we decided to broaden our impact and committed to setting near- and long-term company-wide emission reduction targets in line with the science-based standard for net-zero emissions from SBTi. As part of this effort, we completed a more comprehensive greenhouse gas inventory, including scope 3 emissions (extending purchased good and services, including upstream/downstream transportation and the use of sold products). We developed our transition plan to and anticipate that our Science Based targets will be validated in calendar year 2024. In developing these targets, Lumentum will assess the required GHG reductions across its operations to align with to the 1.5 C scenario. This takes into account the current GHG inventory, geographical locations, potential investments into onsite solar power generation and what GHG reductions are required to meet a 1.5 C scenario. We are also improving our risk assessments to include climate risks under different climate scenarios.*

#### Water

##### (5.1.1) Use of scenario analysis

Select from:

☒ No, but we plan to within the next two years

### (5.1.3) Primary reason why your organization has not used scenario analysis

Select from:

☒ Not an immediate strategic priority

### (5.1.4) Explain why your organization has not used scenario analysis

*Lumentum is continuously developing and expanding our sustainability program. As our program develops, we anticipate further incorporation of water related issues into our long-term business planning as appropriate. Lumentum's Business Continuity Planning already integrates natural hazard risks including water and water availability and it is implemented across sites. We use scenario analysis to identify areas of water stress risk within our operations and have done this for several years. In FY24, we will enhance water risk assessments using scenario analysis via WRI Aqueduct's water risk atlas and scenarios and expand our BCPs to include scenario analysis. We will update our next CDP disclosure in 2025 on these developments.*

*[Fixed row]*

## (5.2) Does your organization's strategy include a climate transition plan?

### (5.2.1) Transition plan

Select from:

☒ No, but we are developing a climate transition plan within the next two years

### (5.2.15) Primary reason for not having a climate transition plan that aligns with a 1.5°C world

Select from:

☒ Not an immediate strategic priority

### (5.2.16) Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world

*In 2021, Lumentum committed to achieving net-zero Scope 1 and 2 GHG emissions by 2030. In the reporting year, we decided to broaden our impact and committed to setting near- and long-term company-wide emission reduction targets in line with the science-based standard for net-zero emissions from SBTi. As part of this effort, we completed a more comprehensive greenhouse gas inventory, including scope 3 emissions (extending purchased good and services, including upstream/downstream transportation and the use of sold products). We developed our transition plan to and anticipate that our Science Based targets will be validated in calendar year 2024. In developing these targets, Lumentum will assess the required GHG reductions across its operations to align with to the 1.5 C*

scenario. This takes into account the current GHG inventory, geographical locations, potential investments into onsite solar power generation and what GHG reductions are required to meet a 1.5 C scenario. We are also improving our risk assessments to include climate risks under different climate scenarios.  
[Fixed row]

### **(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?**

#### **(5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning**

Select from:

☒ Yes, both strategy and financial planning

#### **(5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy**

Select all that apply

☒ Products and services

☒ Upstream/downstream value chain

☒ Investment in R&D

☒ Operations

[Fixed row]

### **(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.**

#### **Products and services**

##### **(5.3.1.1) Effect type**

Select all that apply

☒ Risks

##### **(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area**

Select all that apply

☒ Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Lumentum customers are committing to carbon neutral and net zero targets and have started to engage their suppliers, like Lumentum, on collaborative opportunities to reduce emissions and to understand and influence their suppliers' climate ambitions. Lumentum is working on improving the end-use efficiency of its products. For example, we are working on wall plug efficiency and power consumption reduction for end users in data centers. We have added a carbon assessment stage into our new product development process and performing LCA analysis on specific products.*

## Upstream/downstream value chain

### (5.3.1.1) Effect type

*Select all that apply*

- ☒ Risks
- ☒ Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

*Select all that apply*

- ☒ Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*We evaluated our top 80% of spend by commodity to determine where risk exists. We have moved to find alternate sources where certain commodities and current supply base only existed in one geographic location that could be exposed to potential climate-related extreme weather events*

## Investment in R&D

### (5.3.1.1) Effect type

*Select all that apply*

- ☒ Risks
- ☒ Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☒ Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Lumentum invests significant resources into R&D and the design process to ensure that manufacturing processes and products are innovative and energy efficient, thereby addressing any reputational risks of climate-related issues. In addition, we are increasing our attention on the environmental impacts of our products through their full life cycle.*

## Operations

### (5.3.1.1) Effect type

Select all that apply

☒ Risks

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☒ Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Our Enterprise Risk Management (ERM) identifies and evaluate risks that could impact our ability to achieve our objectives or threaten our operations, as well as assess management's preparedness to manage and mitigate these risks. Climate-related risks and opportunities has influenced our setting of climate-related targets, with a commitment made to SBT targets, as well as Net Zero goals on Scope 1, 2 emissions. This has led to targets on purchase electricity from renewable sources and increasing focus on energy saving activities.*

## Operations

### (5.3.1.1) Effect type

Select all that apply

☒ Risks

☒ Opportunities



### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

☒ Water

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Our corporate water withdrawals reduction goal is a first step in how we address water related risks and opportunities in our operations within our wider strategy. The aim of this is to reduce impacts of increased operational expenses through water usage and discharge and we are prioritising this to focus on sites with higher impacts or opportunities (higher water use or if operating in an area with an identified higher risk of water stress) We are also integrating this with our enterprise risk management to identify water related risks such as flooding (linked to climate) within our site-level business continuity plans.*

[Add row]

## (5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.

### Row 1

#### (5.3.2.1) Financial planning elements that have been affected

Select all that apply

☒ Direct costs

#### (5.3.2.2) Effect type

Select all that apply

☒ Risks

#### (5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements

Select all that apply

☒ Climate change

#### (5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements

Our manufacturing processes entail the use of proprietary chemicals which are subject to emissions controls and reporting. We allocate appropriate budget to ensure our operations remain in compliance with all regulations. Any changes in reporting requirements or allowable emissions could result in significant additional costs. We are aware of increasing energy costs and carbon pricing and taxation mechanisms and are investing in renewable energy and energy efficient operations.

[Add row]

**(5.4) In your organization’s financial accounting, do you identify spending/revenue that is aligned with your organization’s climate transition?**

	Identification of spending/revenue that is aligned with your organization’s climate transition
	Select from: <input checked="" type="checkbox"/> No, but we plan to in the next two years

[Fixed row]

**(5.9) What is the trend in your organization’s water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?**

**(5.9.1) Water-related CAPEX (+/- % change)**

4999900

**(5.9.2) Anticipated forward trend for CAPEX (+/- % change)**

3000

**(5.9.3) Water-related OPEX (+/- % change)**

40

#### (5.9.4) Anticipated forward trend for OPEX (+/- % change)

-5

#### (5.9.5) Please explain

*During the reporting year, we invested in some water savings/reduction projects. This included DI water circulation systems and other activities. We plan on some major water-related capex in FY24 that will substantially increase FY24 capex on water by more than 3000% for the next reporting year. Increases in OPEX due to acquisitions*

*[Fixed row]*

#### (5.10) Does your organization use an internal price on environmental externalities?

	Use of internal pricing of environmental externalities	Primary reason for not pricing environmental externalities	Explain why your organization does not price environmental externalities
	Select from: <input checked="" type="checkbox"/> No, but we plan to in the next two years	Select from: <input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	<i>We are reviewing the approach to using an internal carbon price.</i>

*[Fixed row]*

#### (5.11) Do you engage with your value chain on environmental issues?

##### Suppliers

#### (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☒ Yes

#### (5.11.2) Environmental issues covered

*Select all that apply*

☒ Climate change

☒ Water

## Customers

### (5.11.1) Engaging with this stakeholder on environmental issues

*Select from:*

☒ Yes

### (5.11.2) Environmental issues covered

*Select all that apply*

☒ Climate change

☒ Water

## Investors and shareholders

### (5.11.1) Engaging with this stakeholder on environmental issues

*Select from:*

☒ Yes

### (5.11.2) Environmental issues covered

*Select all that apply*

☒ Climate change

☒ Water

## Other value chain stakeholders

### (5.11.1) Engaging with this stakeholder on environmental issues

Select from:

☒ No, and we do not plan to within the next two years

### (5.11.3) Primary reason for not engaging with this stakeholder on environmental issues

Select from:

☒ Not an immediate strategic priority

### (5.11.4) Explain why you do not engage with this stakeholder on environmental issues

*We have prioritized suppliers, customers and our employees for engagement at this stage on environmental issues.*

*[Fixed row]*

## (5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?

### Climate change

#### (5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment

Select from:

☒ Yes, we assess the dependencies and/or impacts of our suppliers

#### (5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment

Select all that apply

☒ Contribution to supplier-related Scope 3 emissions

#### (5.11.1.3) % Tier 1 suppliers assessed

Select from:

☒ 1-25%

#### **(5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment**

*We request our contract manufacturers (CM) to report their GHG emissions and to allocate their emissions to our products. Although this is a small % of Tier 1 suppliers assessed (by number), these suppliers were selected since they are a key part of the supply chain of our products (60% of direct procurement spend.). By engaging with these suppliers, we can calculate and analyze the GHG emissions associated with scope 3 category 1 (purchased goods and services).*

#### **(5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

*Select from:*

☒ 1-25%

#### **(5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

5

### **Water**

#### **(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment**

*Select from:*

☒ Yes, we assess the dependencies and/or impacts of our suppliers

#### **(5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment**

*Select all that apply*

☒ Basin/landscape condition

#### **(5.11.1.3) % Tier 1 suppliers assessed**

*Select from:*

☒ 51-75%

#### (5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment

*For water related issues, we would designate this as being assessed as a high water related risk in our supplier assessment. This is based on inherent risk, e.g. third party indices risk based on geographic area such as WRI Water Stress Index, etc.*

#### (5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

Select from:

☒ 26-50%

#### (5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

13

[Fixed row]

### (5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

#### Climate change

#### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☒ Yes, we prioritize which suppliers to engage with on this environmental issue

#### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

☒ Material sourcing

☒ Procurement spend

#### (5.11.2.4) Please explain

*Lumentum requests its direct and indirect suppliers to sign Lumentum's Supplier Code of Conduct, which includes compliance with the RBA Code. While we do not directly prioritize which suppliers we prioritize engagement with on Climate. We use risk assessments and procurement spend to prioritize suppliers for engagement on all sustainability matters. Suppliers are required to adhere to the RBA Code of Conduct and we use a combination of tools created by RBA or internally to identify and prioritize suppliers based on their overall risk.*

## Water

### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

☒ Yes, we prioritize which suppliers to engage with on this environmental issue

### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

☒ Material sourcing

☒ Procurement spend

### (5.11.2.4) Please explain

*While we do not directly prioritize which suppliers to engage with on water, we use risk assessments and procurement spend to prioritize suppliers for engagement on all sustainability matters. Suppliers are required to adhere to the RBA Code of Conduct and we use a combination of tools created by RBA or internally to identify and prioritize suppliers based on their overall Sustainability risk. From a water perspective, this includes third party indices relating to wastewater and water stress and storms, e.g. Water Stress Index (WRI), Flood Risk Index (WRI) and the Storm Risk Index (EMDAT and World Bank). Suppliers may also be requested to complete RBA Self-Assessment Questionnaires (SAQs) and we utilise the RBA Risk Assessment tools to help evaluate and manage supplier risk.*

*[Fixed row]*

### (5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?

## Climate change

### (5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process

Select from:



☒ Yes, environmental requirements related to this environmental issue are included in our supplier contracts

#### **(5.11.5.2) Policy in place for addressing supplier non-compliance**

Select from:

☒ Yes, we have a policy in place for addressing non-compliance

#### **(5.11.5.3) Comment**

*Lumentum requests its direct and indirect suppliers to sign Lumentum's Supplier Code of Conduct, which includes compliance with the RBA Code. The RBA Code includes a requirement for companies to establish a GHG emissions inventory and an emissions reduction target. 95% of major (direct and indirect) suppliers have signed the Code of Conduct.*

### **Water**

#### **(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process**

Select from:

☒ Yes, environmental requirements related to this environmental issue are included in our supplier contracts

#### **(5.11.5.2) Policy in place for addressing supplier non-compliance**

Select from:

☒ Yes, we have a policy in place for addressing non-compliance

#### **(5.11.5.3) Comment**

*Our suppliers are required to sign and adhere to Lumentum's Supplier Code of Conduct which includes Responsible Business Alliance compliance. The RBA code includes commitments to environmental management, including water related issues.*

*[Fixed row]*

**(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.**

## Climate change

### (5.11.6.1) Environmental requirement

Select from:

☒ Disclosure of GHG emissions to your organization (Scope 1 and 2)

### (5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☒ Supplier scorecard or rating

### (5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

☒ 100%

### (5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement

Select from:

☒ 51-75%

### (5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement

Select from:

☒ 100%

### (5.11.6.8) % tier 1 supplier-related scope 3 emissions attributable to the suppliers in compliance with this environmental requirement

Select from:

☒ 26-50%

#### (5.11.6.9) Response to supplier non-compliance with this environmental requirement

Select from:

☒ Retain and engage

#### (5.11.6.10) % of non-compliant suppliers engaged

Select from:

☒ 100%

#### (5.11.6.11) Procedures to engage non-compliant suppliers

Select all that apply

☒ Providing information on appropriate actions that can be taken to address non-compliance

#### (5.11.6.12) Comment

*Lumentum requests its direct and indirect suppliers to sign Lumentum's Supplier Code of Conduct, which includes compliance with the RBA Code. The RBA Code includes a requirement for companies to establish a GHG emissions inventory and an emissions reduction target. 95% of major (direct and indirect) suppliers have signed the Code of Conduct*

### Water

#### (5.11.6.1) Environmental requirement

Select from:

☒ Other, please specify :Responsible Business Alliance compliance

#### (5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement

Select all that apply

☒ Supplier scorecard or rating

#### (5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement

Select from:

☒ 100%

#### **(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement**

Select from:

☒ 76-99%

#### **(5.11.6.5) % tier 1 suppliers with substantive environmental dependencies and/or impacts related to this environmental issue required to comply with this environmental requirement**

Select from:

☒ 1-25%

#### **(5.11.6.6) % tier 1 suppliers with substantive environmental dependencies and/or impacts related to this environmental issue that are in compliance with this environmental requirement**

Select from:

☒ 100%

#### **(5.11.6.9) Response to supplier non-compliance with this environmental requirement**

Select from:

☒ Retain and engage

#### **(5.11.6.10) % of non-compliant suppliers engaged**

Select from:

☒ 100%

#### **(5.11.6.11) Procedures to engage non-compliant suppliers**

Select all that apply

☒ Assessing the efficacy and efforts of non-compliant supplier actions through consistent and quantified metrics

- ☒ Developing quantifiable, time-bound targets and milestones to bring suppliers back into compliance
- ☒ Providing information on appropriate actions that can be taken to address non-compliance

#### (5.11.6.12) Comment

*Through our level one supplier risk assessment which targets our top 200 direct suppliers, we identified 13 suppliers in FY23 with a higher water risk and dependencies. This is based upon the inherent geographical risk and third-party indices such as WRI Water Risk Atlas, Flood Risk Index, etc. In line with our risk-based approach to sustainability due diligence, 4 of the 13 suppliers were required to complete additional sustainability assessments and completed the RBA self-assessment questionnaires for their corporate and facility level sites supplying to Lumentum. All 4 suppliers required to complete this in FY23 did so, therefore we have logged this as 100% compliance for tier 1 suppliers identified with water-related dependencies against our requirements.*

*[Add row]*

### (5.11.7) Provide further details of your organization's supplier engagement on environmental issues.

#### Climate change

#### (5.11.7.2) Action driven by supplier engagement

Select from:

- ☒ Emissions reduction

#### (5.11.7.3) Type and details of engagement

##### Capacity building

- ☒ Provide training, support and best practices on how to measure GHG emissions

##### Information collection

- ☒ Collect GHG emissions data at least annually from suppliers

#### (5.11.7.4) Upstream value chain coverage

Select all that apply

- ☒ Tier 1 suppliers

#### (5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

☒ 51-75%

#### (5.11.7.6) % of tier 1 supplier-related scope 3 emissions covered by engagement

Select from:

☒ 26-50%

#### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*We request our contract manufacturers (CM) to report their GHG emissions and to allocate their emissions to our products. By engaging with these suppliers we can calculate and analyze the GHG emissions associated with scope 3 category 1 purchased goods and services. These suppliers were selected since they are a key part of the supply chain of our products and represent around 60 % of direct procurement spend. The engagement allows us to understand the GHG emissions allocated to Lumentum by our CMs and gain a more accurate picture of our extended operations and to better understand the impacts associated with our supplier GHG emissions. Our CMs are required to take annual refresher training on RBA topics which always include aspects of environment, GHG assessment and mitigation as per the RBA's environment code requirements.*

#### (5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue

Select from:

☒ Yes, please specify the environmental requirement :The impact of the engagement is to understand the GHG emissions allocated to Lumentum by our CMs. This data allows Lumentum to gain a more accurate picture of our extended operations and to better understand the impacts associated with our supplier

#### (5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

☒ Unknown

### Water

#### (5.11.7.2) Action driven by supplier engagement

Select from:

- ☒ Adaptation to climate change

### (5.11.7.3) Type and details of engagement

#### Capacity building

- ☒ Provide training, support and best practices on how to mitigate environmental impact

### (5.11.7.4) Upstream value chain coverage

Select all that apply

- ☒ Tier 1 suppliers

### (5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

- ☒ 51-75%

### (5.11.7.7) % tier 1 suppliers with substantive impacts and/or dependencies related to this environmental issue covered by engagement

Select from:

- ☒ 26-50%

### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*We ask our contract manufacturers to undergo RBA training as part of our commitment to the Responsible Business Alliance. This includes modules on environmental management including water management. As a result, our CMs have clear information about our environmental expectations on RBA compliance. Where appropriate we partner with suppliers to identify and manage potential risks and will ask for information on how they are managing risks such as flooding. In one instance, a contract manufacturer has moved to a higher floor in response to flood risk.*

### (5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue

Select from:

☒ Yes, please specify the environmental requirement :RBA Compliance

#### (5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

☒ Unknown

[Add row]

### (5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

#### Climate change

##### (5.11.9.1) Type of stakeholder

Select from:

☒ Customers

##### (5.11.9.2) Type and details of engagement

###### Innovation and collaboration

☒ Run a campaign to encourage innovation to reduce environmental impacts

☒ Other innovation and collaboration, please specify

##### (5.11.9.3) % of stakeholder type engaged

Select from:

☒ 26-50%

##### (5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

☒ 26-50%



#### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*We currently fully respond to requests from 17 key customers through the CDP supply chain module disclosure process or directly, totalling 43% of total revenue. We attribute our emissions to the customers as requested. Lumentum also engages with key customers and Lumentum's sustainability program is presented/communicated to key customers. We've selected this group because of their commitment to climate goals. We aim to support and enable their progress and we can clearly understand our expected performance via client scorecards.*

#### (5.11.9.6) Effect of engagement and measures of success

*a) Impact: We engage with our customers regularly during customer business reviews where we share our commitment and strategy regarding our climate impact. We've found success in our efforts having been recognized positively by customers (we were nominated by Cisco for Excellence in Sustainability in 2022, and in CY2023 we received a sustainability award from NEC based on 2022) and seeing improvements in the supplier scorecards of our customers. In FY22 we received a Gold rating from EcoVadis and NewsWeek listed Lumentum as one of Americas most sustainable companies (ranked 121). We provide annual updates via CDP climate change disclosure. b) Measure of success: We see our increasing sustainability score in our customer scorecards as a measure of success. We also track the engagement with customers via RBA On-line, sharing RBA SAQ and RBA VAP audit results. Our EcoVadis rating is also part of our scorecard by our customers. We respond to 100% of customer sustainability-related requests which is also a measure of success.*

### Water

#### (5.11.9.1) Type of stakeholder

Select from:

☒ Customers

#### (5.11.9.2) Type and details of engagement

##### Education/Information sharing

☒ Share information on environmental initiatives, progress and achievements

#### (5.11.9.3) % of stakeholder type engaged

Select from:

☒ 26-50%

#### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*We provide customers with information on our environmental initiatives progress and achievements in a variety of ways, including customer questionnaires and surveys. These usually include requests for information on our water accounting, any recent water-related projects or initiatives and our water related targets. We provide this information directly or through reporting requirements such as CDP Water Security. We also publish a public annual sustainability report that our customers can access with information on our sustainability initiatives throughout the year.*

#### **(5.11.9.6) Effect of engagement and measures of success**

*We measure success in this engagement through completion of customer questionnaires (scored and unscored), customer feedback, compliance and adherence to customer expectations and requirements and continued strengthening of customer relationships through demonstrating our sustainability approach. Some of our customers also use tools like Ecovadis for supplier engagement and monitoring, and our Ecovadis score (Platinum) is another measure of success in this type of engagement.*

### **Water**

#### **(5.11.9.1) Type of stakeholder**

Select from:

☒ Investors and shareholders

#### **(5.11.9.2) Type and details of engagement**

##### **Education/Information sharing**

☒ Educate and work with stakeholders on understanding and measuring exposure to environmental risks

#### **(5.11.9.3) % of stakeholder type engaged**

Select from:

☒ Unknown

#### **(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement**

*Through our materiality assessment process, we engage with investors and shareholders to identify and understand material topics. This is reported on within our Sustainability report and usually takes place every two years.*

#### **(5.11.9.6) Effect of engagement and measures of success**

*We have a broader and deeper understanding of material topics within our sustainability considerations and value chain. This helps shape our strategy and goals moving forward.*

## Climate change

### (5.11.9.1) Type of stakeholder

Select from:

☒ Investors and shareholders

### (5.11.9.2) Type and details of engagement

#### Education/Information sharing

☒ Educate and work with stakeholders on understanding and measuring exposure to environmental risks

### (5.11.9.3) % of stakeholder type engaged

Select from:

☒ Unknown

### (5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

☒ Unknown

### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*Through our materiality assessment process, we engage with investors and shareholders to identify and understand material topics. This is reported on within our Sustainability report and usually takes place every two years.*

### (5.11.9.6) Effect of engagement and measures of success

*We have a broader and deeper understanding of material topics within our sustainability considerations and value chain. This helps shape our strategy and goals moving forward.*

[Add row]

**(5.13) Has your organization already implemented any mutually beneficial environmental initiatives due to CDP Supply Chain member engagement?**

	Environmental initiatives implemented due to CDP Supply Chain member engagement	Primary reason for not implementing environmental initiatives	Explain why your organization has not implemented any environmental initiatives
	<i>Select from:</i> <input checked="" type="checkbox"/> No, but we plan to within the next two years	<i>Select from:</i> <input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	<i>We engage already with CDP supply chain members.</i>

[Fixed row]

## C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

### Climate change

#### (6.1.1) Consolidation approach used

Select from:

☒ Operational control

#### (6.1.2) Provide the rationale for the choice of consolidation approach

*Lumentum has the authority to introduce and implement its operating policies at the 26 sites included in the GHG inventory and thus has operational control*

### Water

#### (6.1.1) Consolidation approach used

Select from:

☒ Operational control

#### (6.1.2) Provide the rationale for the choice of consolidation approach

*In line with our CSR reporting and financial reporting, we have used the same consolidation processes for water accounting*

### Plastics

#### (6.1.1) Consolidation approach used

Select from:

☒ Operational control

## (6.1.2) Provide the rationale for the choice of consolidation approach

*In line with our CSR reporting and financial reporting*

### **Biodiversity**

## (6.1.1) Consolidation approach used

*Select from:*

☒ Operational control

## (6.1.2) Provide the rationale for the choice of consolidation approach

*In line with our CSR reporting and financial reporting*

*[Fixed row]*

## C7. Environmental performance - Climate Change

### (7.1) Is this your first year of reporting emissions data to CDP?

Select from:

☒ No

#### (7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

	Has there been a structural change?	Name of organization(s) acquired, divested from, or merged with	Details of structural change(s), including completion dates
	Select all that apply <input checked="" type="checkbox"/> Yes, an acquisition	Neophotonics Corporation	Acquisition of NeoPhotonics Corporation (7 sites added) in FY23 and acquisition of IPG Telecom Transmission product line (2 sites added) in FY23

[Fixed row]

#### (7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

##### (7.1.2.1) Change(s) in methodology, boundary, and/or reporting year definition?

Select all that apply

☒ Yes, a change in methodology

☒ Yes, a change in boundary

##### (7.1.2.2) Details of methodology, boundary, and/or reporting year definition change(s)

*Scope 3.1 extended to include all direct suppliers. Scope 3.2 added to inventory. Scope 3.11 added to inventory. Change in emission factor for Scope 3.4/9 (Upstream/Downstream Transportation and Distribution)*  
[Fixed row]

### **(7.1.3) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?**

#### **(7.1.3.1) Base year recalculation**

*Select from:*

☒ Yes

#### **(7.1.3.2) Scope(s) recalculated**

*Select all that apply*

☒ Scope 1

☒ Scope 2, location-based

☒ Scope 2, market-based

☒ Scope 3

#### **(7.1.3.3) Base year emissions recalculation policy, including significance threshold**

*The base line recalculation policy is as per SBTi, at structural changes in excess of 5% will prompt a recalculcation of the baseline.*

#### **(7.1.3.4) Past years' recalculation**

*Select from:*

☒ No

[Fixed row]



**(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.**

*Select all that apply*

- ☒ IEA CO2 Emissions from Fuel Combustion
- ☒ The Greenhouse Gas Protocol: Scope 2 Guidance
- ☒ US EPA Emissions & Generation Resource Integrated Database (eGRID)
- ☒ The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Standard
- ☒ The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- ☒ Defra Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance, 2019
- ☒ Other, please specify :European Residual Mix Association of Issuing Bodies (AIB)

**(7.3) Describe your organization's approach to reporting Scope 2 emissions.**

	Scope 2, location-based	Scope 2, market-based	Comment
	<i>Select from:</i> <input checked="" type="checkbox"/> We are reporting a Scope 2, location-based figure	<i>Select from:</i> <input checked="" type="checkbox"/> We are reporting a Scope 2, market-based figure	<i>We report market- and location-based Scope 2 emissions in accordance with the GHG Protocol's Scope 2 guidance.</i>

*[Fixed row]*

**(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?**

*Select from:*

- ☒ Yes

**(7.4.1) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.**

**Row 1**

**(7.4.1.1) Source of excluded emissions**

*Some small sales or admin. offices have been excluded*

**(7.4.1.2) Scope(s) or Scope 3 category(ies)**

*Select all that apply*

- ☒ Scope 1
- ☒ Scope 2 (location-based)
- ☒ Scope 2 (market-based)

**(7.4.1.3) Relevance of Scope 1 emissions from this source**

*Select from:*

- ☒ Emissions are not relevant

**(7.4.1.4) Relevance of location-based Scope 2 emissions from this source**

*Select from:*

- ☒ Emissions are not relevant

**(7.4.1.5) Relevance of market-based Scope 2 emissions from this source**

*Select from:*

- ☒ Emissions are not relevant

**(7.4.1.8) Estimated percentage of total Scope 1+2 emissions this excluded source represents**

0.3

#### **(7.4.1.10) Explain why this source is excluded**

*Small offices which are leased with limited potential for improvement and very small footprint*

#### **(7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents**

*Estimate of Scope 1,2 emissions based on other small Lumentum sites*

*[Add row]*

### **(7.5) Provide your base year and base year emissions.**

#### **Scope 1**

##### **(7.5.1) Base year end**

*06/29/2022*

##### **(7.5.2) Base year emissions (metric tons CO2e)**

*9431*

##### **(7.5.3) Methodological details**

*Previously FY18 8540 TCO2. Updated to FY22 Baseline (Corrected for Neophotonics acquisition).*

#### **Scope 2 (location-based)**

##### **(7.5.1) Base year end**

*06/29/2022*

##### **(7.5.2) Base year emissions (metric tons CO2e)**

*64027*

### (7.5.3) Methodological details

*Previously FY18 33358 TCO2. Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

### Scope 2 (market-based)

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

63677

### (7.5.3) Methodological details

*Previously FY18 38446 TCO2. Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

### Scope 3 category 1: Purchased goods and services

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

142725

### (7.5.3) Methodological details

*Previously FY19 60528 TCO2. Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

### Scope 3 category 2: Capital goods

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

24921

#### (7.5.3) Methodological details

*Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

### Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

23372

#### (7.5.3) Methodological details

*Previously FY19 11782 TCO2. Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

### Scope 3 category 4: Upstream transportation and distribution

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

5760

#### (7.5.3) Methodological details

*Includes Scope 3.9*

## **Scope 3 category 5: Waste generated in operations**

### **(7.5.1) Base year end**

*06/29/2022*

### **(7.5.2) Base year emissions (metric tons CO2e)**

*0*

### **(7.5.3) Methodological details**

*Calculated as less than 1% of Scope 3 emissions and may be included in future years*

## **Scope 3 category 6: Business travel**

### **(7.5.1) Base year end**

*06/29/2022*

### **(7.5.2) Base year emissions (metric tons CO2e)**

*279*

### **(7.5.3) Methodological details**

*Previously FY19 2988 TCO2. Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

## **Scope 3 category 7: Employee commuting**

### **(7.5.1) Base year end**

*06/29/2022*

#### (7.5.2) Base year emissions (metric tons CO2e)

0

#### (7.5.3) Methodological details

*Calculated as less than 1% of Scope 3 emissions and may be included in future years*

### Scope 3 category 8: Upstream leased assets

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

0

#### (7.5.3) Methodological details

*Not Applicable*

### Scope 3 category 9: Downstream transportation and distribution

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

0

#### (7.5.3) Methodological details

*Included in Scope 3.4*

## Scope 3 category 10: Processing of sold products

### (7.5.1) Base year end

06/29/2022

### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details

*Calculated as less than 1% of Scope 3 emissions and may be included iin future years*

## Scope 3 category 11: Use of sold products

### (7.5.1) Base year end

06/29/2022

### (7.5.2) Base year emissions (metric tons CO2e)

411170

### (7.5.3) Methodological details

*Updated to FY22 Baseline (Corrected for Neophotonics acquisition)*

## Scope 3 category 12: End of life treatment of sold products

### (7.5.1) Base year end

06/29/2022

### (7.5.2) Base year emissions (metric tons CO2e)



0

### (7.5.3) Methodological details

*Calculated as less than 1% of Scope 3 emissions and may be included iin future years*

## Scope 3 category 13: Downstream leased assets

### (7.5.1) Base year end

06/29/2022

### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details

*Not Applicable*

## Scope 3 category 14: Franchises

### (7.5.1) Base year end

06/29/2022

### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details

*Not Applicable*

## Scope 3 category 15: Investments

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

0

#### (7.5.3) Methodological details

*Not Applicable*

### Scope 3: Other (upstream)

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

0

#### (7.5.3) Methodological details

*Not Applicable*

### Scope 3: Other (downstream)

#### (7.5.1) Base year end

06/29/2022

#### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details

*Not Applicable*  
*[Fixed row]*

### (7.6) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

	Gross global Scope 1 emissions (metric tons CO2e)	End date	Methodological details
Reporting year	9813	<i>Date input [must be between [10/01/2015 - 10/01/2023]</i>	<i>Predominantly Natural Gas based on invoiced consumption</i>
Past year 1	6328	06/29/2022	<i>Predominantly Natural Gas based on invoiced consumption</i>

*[Fixed row]*

### (7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

#### Reporting year

#### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

67523

#### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

30598

### (7.7.4) Methodological details

*Invoiced Electricity Consumption*

## Past year 1

### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

48389

### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

47990

### (7.7.3) End date

06/29/2022

### (7.7.4) Methodological details

*Predominantly Natural Gas based on invoiced consumption*  
*[Fixed row]*

## (7.8) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

### Purchased goods and services

#### (7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

#### (7.8.2) Emissions in reporting year (metric tons CO2e)

113533

#### (7.8.3) Emissions calculation methodology

Select all that apply

- ☒ Supplier-specific method
- ☒ Hybrid method
- ☒ Spend-based method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

26

#### (7.8.5) Please explain

*Lumentum requests an allocation of scope 1,2, emissions from our contract manufacturers which is around 60% of our direct spend. The remaining spend is primarily for electronic and optical component manufacturers. We request an allocation of emissions from the top suppliers by spend with the intention to increase the coverage each year. Overall a hybrid approach is used which is a combination of a) Contract Manufacturer -allocated emissions b) Request to top suppliers for allocated emissions c) Spend-Based method used for remaining. The intention is that the Spend-based method will be increasingly replaced by direct allocation or LCA calculations each year.*

### Capital goods

#### (7.8.1) Evaluation status

Select from:

- ☒ Relevant, calculated

#### (7.8.2) Emissions in reporting year (metric tons CO2e)

34531

#### (7.8.3) Emissions calculation methodology

Select all that apply

- ☒ Spend-based method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*A spend-based method is used to calculate the emissions based on capital expenditure in the reporting year. GHG Emissions relating to Capital goods in Lumentum are around 90% equipment and machinery purchase for manufacturing sites.*

## Fuel-and-energy-related activities (not included in Scope 1 or 2)

### (7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO<sub>2</sub>e)

11503

### (7.8.3) Emissions calculation methodology

Select all that apply

☒ Average spend-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

### (7.8.5) Please explain

*Emissions are calculated according to the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard, using emissions factors from US EPA and DEFRA for T&D and WTT (fuels, electricity, and grid loss). Calculations include AR5 global warming potentials.*

## Upstream transportation and distribution

### (7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

#### (7.8.2) Emissions in reporting year (metric tons CO2e)

4856

#### (7.8.3) Emissions calculation methodology

Select all that apply

☒ Distance-based method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

#### (7.8.5) Please explain

*Upstream and Downstream Transport (Air, Road, Sea) is included in Scope 3.4 since we receive consolidated GHG emission reports from our Transport providers and not able to split by upstream and downstream. Reports from Transport providers have been validated to comply with the GHG protocol. EcoTransIT methodology inline with GLEC. Well to Wheel emissions*

### Waste generated in operations

#### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

#### (7.8.5) Please explain

*Waste generated in operations has been estimated at less than 1 % of total Scope 3 emissions. Waste streams in manufacture have a high level of re-use, recycle and recovery since it is predominantly electronic waste with minimal organic material: Lumentum will continue to improve its data accuracy in this area and include more accurately in future years. Lumentum also has ambitious goals of diverting 90% of our non-hazardous waste by FY27. For example our largest manufacturing site has a recycling rate of 90% on Non-hazardous waste.*

### Business travel

### (7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

689

### (7.8.3) Emissions calculation methodology

Select all that apply

☒ Distance-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

### (7.8.5) Please explain

*Business Air travel mileage is reported by our business travel partner and includes air travel only. Hotels are considered a small % of total Scope 3 emissions and are currently excluded as per the GHG Protocol.*

## Employee commuting

### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*Employee commuting has been estimated at less than 1 % of the total Scope 3 emissions. We anticipate to improve our assessment and include this in future years.*

## Upstream leased assets



### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*Lumentum does not have leased assets that are not included in Scope 1/2 emissions*

## Downstream transportation and distribution

### (7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

0

### (7.8.3) Emissions calculation methodology

Select all that apply

☒ Distance-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

### (7.8.5) Please explain

*Upstream and Downstream Transport (Air, Road, Sea) is included in Scope 3.4 since we receive consolidated GHG emission reports from our Transport providers and not able to split by upstream and downstream. Reports from Transport providers have been validated to comply with the GHG protocol. EcoTransIT methodology inline with GLEC. Well to Wheel emissions.*

## Processing of sold products

### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*Lumentum's products are not subject to further processing after sale. Verification according to ISO 14064-3:2019 and Greenhouse Gas Protocol Corporate Accounting and Reporting Standards.*

## Use of sold products

### (7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

480992

### (7.8.3) Emissions calculation methodology

Select all that apply

☒ Methodology for direct use phase emissions, please specify :Lifetime x Power x Lifetime

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

### (7.8.5) Please explain

*Lumentum calculates the GHG emissions due to end-use for all products based on assumptions on Power Use (Watts) at the customer site, hours of use, assumed global emission factor and assumed lifetime. TCO2 End Use Power Consumption x Hours of Use x lifetime x EF as per GHG Protocol Different assumptions are used for all products based on detailed discussions with Product Line Managers who have knowledge of the customer or direct discussion with the customer. A global emission factor is currently used since we can not control the distribution of products. Reductions due to market-based approaches at the customer site are not used (i.e. we do not reduce the electricity based emissions due to customer purchase of renewable energy) at the current time.*

## End of life treatment of sold products

### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*Lumentum LCA analysis on key (Transport/Transmission) products has indicated that the end of life GHG emissions are*

## Downstream leased assets

### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*No Downstream leased assets*

## Franchises

### (7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*No Franchises*

### Investments

### (7.8.1) Evaluation status

*Select from:*

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*No investments*

### Other (upstream)

### (7.8.1) Evaluation status

*Select from:*

☒ Not relevant, explanation provided

### (7.8.5) Please explain

*No other*

### Other (downstream)

### (7.8.1) Evaluation status

*Select from:*

☒ Not relevant, explanation provided

### (7.8.5) Please explain

No other  
[Fixed row]

**(7.9) Indicate the verification/assurance status that applies to your reported emissions.**

	Verification/assurance status
Scope 1	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 3	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place

[Fixed row]

**(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.**

**Row 1**

**(7.9.1.1) Verification or assurance cycle in place**

Select from:

☒ Annual process

**(7.9.1.2) Status in the current reporting year**

Select from:

☒ Complete

(7.9.1.3) Type of verification or assurance

Select from:

☒ Limited assurance

(7.9.1.4) Attach the statement

10003181 GHG 2024-09-23 Page 1.pdf

(7.9.1.5) Page/section reference

Page 1

(7.9.1.6) Relevant standard

Select from:

☒ ISO14064-3

(7.9.1.7) Proportion of reported emissions verified (%)

100  
[Add row]

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:

☒ Scope 2 location-based

### (7.9.2.2) Verification or assurance cycle in place

Select from:

☒ Annual process

### (7.9.2.3) Status in the current reporting year

Select from:

☒ Complete

### (7.9.2.4) Type of verification or assurance

Select from:

☒ Limited assurance

### (7.9.2.5) Attach the statement

10003181 GHG 2024-09-23 Page 1.pdf

### (7.9.2.6) Page/ section reference

Page 1

### (7.9.2.7) Relevant standard

Select from:

☒ ISO14064-3

### (7.9.2.8) Proportion of reported emissions verified (%)

100

## Row 2

### (7.9.2.1) Scope 2 approach

Select from:

☒ Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☒ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☒ Complete

(7.9.2.4) Type of verification or assurance

Select from:

☒ Limited assurance

(7.9.2.5) Attach the statement

10003181 GHG 2024-09-23 Page 1.pdf

(7.9.2.6) Page/ section reference

Page 1

(7.9.2.7) Relevant standard

Select from:

☒ ISO14064-3

(7.9.2.8) Proportion of reported emissions verified (%)

100  
[Add row]



**(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.**

**Row 1**

**(7.9.3.1) Scope 3 category**

Select all that apply

- ☒ Scope 3: Capital goods
- ☒ Scope 3: Business travel
- ☒ Scope 3: Use of sold products
- ☒ Scope 3: Purchased goods and services
- ☒ Scope 3: Upstream transportation and distribution
- ☒ Scope 3: Downstream transportation and distribution
- ☒ Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)

**(7.9.3.2) Verification or assurance cycle in place**

Select from:

- ☒ Annual process

**(7.9.3.3) Status in the current reporting year**

Select from:

- ☒ Complete

**(7.9.3.4) Type of verification or assurance**

Select from:

- ☒ Limited assurance

**(7.9.3.5) Attach the statement**

10003181 GHG 2024-09-23 Page 1.pdf

**(7.9.3.6) Page/section reference**

### (7.9.3.7) Relevant standard

Select from:

☒ ISO14064-3

### (7.9.3.8) Proportion of reported emissions verified (%)

100

[Add row]

**(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?**

Select from:

☒ Decreased

**(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.**

### Change in renewable energy consumption

#### (7.10.1.1) Change in emissions (metric tons CO2e)

31790

#### (7.10.1.2) Direction of change in emissions

Select from:

☒ Decreased

#### (7.10.1.3) Emissions value (percentage)

**(7.10.1.4) Please explain calculation**

*9% to 62% global renewable electricity sourcing*

**Other emissions reduction activities****(7.10.1.1) Change in emissions (metric tons CO2e)**

3383

**(7.10.1.2) Direction of change in emissions**

Select from:

☒ Decreased

**(7.10.1.3) Emissions value (percentage)**

6

**(7.10.1.4) Please explain calculation**

*Energy Efficiency Actions*

**Divestment****(7.10.1.1) Change in emissions (metric tons CO2e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*No divestment*

### Acquisitions

#### (7.10.1.1) Change in emissions (metric tons CO2e)

16717

#### (7.10.1.2) Direction of change in emissions

*Select from:*

☒ Increased

#### (7.10.1.3) Emissions value (percentage)

31

#### (7.10.1.4) Please explain calculation

*Acquisition*

### Mergers

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

*Select from:*

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*No mergers*

### Change in output

#### (7.10.1.1) Change in emissions (metric tons CO<sub>2</sub>e)

4549

#### (7.10.1.2) Direction of change in emissions

*Select from:*

☒ Increased

#### (7.10.1.3) Emissions value (percentage)

8

#### (7.10.1.4) Please explain calculation

*Changes onsite including output and product mix*

### Change in methodology

#### (7.10.1.1) Change in emissions (metric tons CO<sub>2</sub>e)

0

#### (7.10.1.2) Direction of change in emissions

Select from:

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*No significant change*

#### Change in boundary

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

Select from:

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*No change other than covered by aquisition*

#### Change in physical operating conditions

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

Select from:

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*No significant change*

### Unidentified

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

Select from:

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

*No significant change*

### Other

#### (7.10.1.1) Change in emissions (metric tons CO2e)

0

#### (7.10.1.2) Direction of change in emissions

Select from:

☒ No change

#### (7.10.1.3) Emissions value (percentage)

0

#### (7.10.1.4) Please explain calculation

No change

[Fixed row]

**(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?**

Select from:

☒ Market-based

**(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?**

Select from:

☒ No

**(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?**

Select from:

☒ Yes



**(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).**

**Row 1**

**(7.15.1.1) Greenhouse gas**

*Select from:*

☒ CO2

**(7.15.1.2) Scope 1 emissions (metric tons of CO2e)**

6816

**(7.15.1.3) GWP Reference**

*Select from:*

☒ IPCC Fifth Assessment Report (AR5 – 100 year)

**Row 2**

**(7.15.1.1) Greenhouse gas**

*Select from:*

☒ CH4

**(7.15.1.2) Scope 1 emissions (metric tons of CO2e)**

3.9

**(7.15.1.3) GWP Reference**

*Select from:*

☒ IPCC Fifth Assessment Report (AR5 – 100 year)

### Row 3

#### (7.15.1.1) Greenhouse gas

Select from:

☒ N2O

#### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

4.4

#### (7.15.1.3) GWP Reference

Select from:

☒ IPCC Fifth Assessment Report (AR5 – 100 year)

### Row 4

#### (7.15.1.1) Greenhouse gas

Select from:

☒ HFCs

#### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

1396

#### (7.15.1.3) GWP Reference

Select from:

☒ IPCC Fifth Assessment Report (AR5 – 100 year)

### Row 5

#### (7.15.1.1) Greenhouse gas

Select from:

☒ PFCs

#### (7.15.1.2) Scope 1 emissions (metric tons of CO<sub>2</sub>e)

1456

#### (7.15.1.3) GWP Reference

Select from:

☒ IPCC Fifth Assessment Report (AR5 – 100 year)

### Row 6

#### (7.15.1.1) Greenhouse gas

Select from:

☒ SF<sub>6</sub>

#### (7.15.1.2) Scope 1 emissions (metric tons of CO<sub>2</sub>e)

137.1

#### (7.15.1.3) GWP Reference

Select from:

☒ IPCC Fifth Assessment Report (AR5 – 100 year)

[Add row]

### (7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

#### Brazil

#### (7.16.1) Scope 1 emissions (metric tons CO<sub>2</sub>e)

7.1

(7.16.2) Scope 2, location-based (metric tons CO2e)

76.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

76.9

## Canada

(7.16.1) Scope 1 emissions (metric tons CO2e)

275

(7.16.2) Scope 2, location-based (metric tons CO2e)

128.6

(7.16.3) Scope 2, market-based (metric tons CO2e)

2.1

## China

(7.16.1) Scope 1 emissions (metric tons CO2e)

360.7

(7.16.2) Scope 2, location-based (metric tons CO2e)

17417.99

(7.16.3) Scope 2, market-based (metric tons CO2e)

17417.99

Democratic People's Republic of Korea

(7.16.1) Scope 1 emissions (metric tons CO2e)

0.3

(7.16.2) Scope 2, location-based (metric tons CO2e)

21.1

(7.16.3) Scope 2, market-based (metric tons CO2e)

21.1

Italy

(7.16.1) Scope 1 emissions (metric tons CO2e)

7.9

(7.16.2) Scope 2, location-based (metric tons CO2e)

56.7

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

Japan

(7.16.1) Scope 1 emissions (metric tons CO2e)

4349.1

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

12011.8

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

12011.8

**Slovenia**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

10

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

286.7

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

0

**Switzerland**

**(7.16.1) Scope 1 emissions (metric tons CO2e)**

5.6

**(7.16.2) Scope 2, location-based (metric tons CO2e)**

15.1

**(7.16.3) Scope 2, market-based (metric tons CO2e)**

0

## Taiwan, China

### (7.16.1) Scope 1 emissions (metric tons CO2e)

6

### (7.16.2) Scope 2, location-based (metric tons CO2e)

225.7

### (7.16.3) Scope 2, market-based (metric tons CO2e)

225.7

## Thailand

### (7.16.1) Scope 1 emissions (metric tons CO2e)

7.4

### (7.16.2) Scope 2, location-based (metric tons CO2e)

28056.2

### (7.16.3) Scope 2, market-based (metric tons CO2e)

0

## United Kingdom of Great Britain and Northern Ireland

### (7.16.1) Scope 1 emissions (metric tons CO2e)

1323.4

### (7.16.2) Scope 2, location-based (metric tons CO2e)

2803.2

(7.16.3) Scope 2, market-based (metric tons CO2e)

0

United States of America

(7.16.1) Scope 1 emissions (metric tons CO2e)

3460.5

(7.16.2) Scope 2, location-based (metric tons CO2e)

6422.8

(7.16.3) Scope 2, market-based (metric tons CO2e)

842  
[Fixed row]

(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply  
☒ By facility

(7.17.2) Break down your total gross global Scope 1 emissions by business facility.

Row 1

(7.17.2.1) Facility

Milan, Italy

(7.17.2.2) Scope 1 emissions (metric tons CO2e)



7.9

**(7.17.2.3) Latitude**

45.60208

**(7.17.2.4) Longitude**

9.36132

**Row 3**

**(7.17.2.1) Facility**

*Nanshan, China*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

13.3

**(7.17.2.3) Latitude**

22.56005

**(7.17.2.4) Longitude**

113.95217

**Row 4**

**(7.17.2.1) Facility**

*San Jose - Rose Orchard, USA*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

2502

(7.17.2.3) Latitude

37.41431

(7.17.2.4) Longitude

-121.947988

Row 5

(7.17.2.1) Facility

Futian, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

75.9

(7.17.2.3) Latitude

22.54273

(7.17.2.4) Longitude

114.08543

Row 6

(7.17.2.1) Facility

Ottawa, Canada

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

274.1

(7.17.2.3) Latitude

45.29633

(7.17.2.4) Longitude

-75.71057

Row 7

(7.17.2.1) Facility

Tokyo, Japan

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1.3

(7.17.2.3) Latitude

35.69407

(7.17.2.4) Longitude

139.68789

Row 8

(7.17.2.1) Facility

San Jose - Ridder 3, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

16.9

(7.17.2.3) Latitude

37.38436

(7.17.2.4) Longitude

-121.90308

Row 9

(7.17.2.1) Facility

Navanakorn, Thailand

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

7.4

(7.17.2.3) Latitude

14.10478

(7.17.2.4) Longitude

100.60187

Row 10

(7.17.2.1) Facility

Caswell, UK

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1318.7

**(7.17.2.3) Latitude**

52.15473

**(7.17.2.4) Longitude**

-1.04839

**Row 11**

**(7.17.2.1) Facility**

*Sagamihara, Japan*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

2801.2

**(7.17.2.3) Latitude**

35.58318

**(7.17.2.4) Longitude**

139.37551

**Row 12**

**(7.17.2.1) Facility**

*Škofljica, Slovenia*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

(7.17.2.3) Latitude

45.98273

(7.17.2.4) Longitude

14.57052

Row 13

(7.17.2.1) Facility

San Jose - Ridder 1, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

30.9

(7.17.2.3) Latitude

37.38363

(7.17.2.4) Longitude

-121.90179

Row 14

(7.17.2.1) Facility

San Jose - Ridder 2, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

70.5

**(7.17.2.3) Latitude**

37.38331

**(7.17.2.4) Longitude**

-121.90274

**Row 15**

**(7.17.2.1) Facility**

*Paignton, UK*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

4.7

**(7.17.2.3) Latitude**

50.4144

**(7.17.2.4) Longitude**

-3.59056

**Row 16**

**(7.17.2.1) Facility**

*Zurich, Switzerland*

**(7.17.2.2) Scope 1 emissions (metric tons CO2e)**

5.6

(7.17.2.3) Latitude

47.40058

(7.17.2.4) Longitude

8.45059

Row 17

(7.17.2.1) Facility

Taipei, Taiwan

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

6

(7.17.2.3) Latitude

25.0133

(7.17.2.4) Longitude

121.4676

Row 18

(7.17.2.1) Facility

Dongguan, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)



128.4

(7.17.2.3) Latitude

22.7763

(7.17.2.4) Longitude

113.75291

Row 19

(7.17.2.1) Facility

Shenzhen, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

140

(7.17.2.3) Latitude

22.5243

(7.17.2.4) Longitude

113.95274

Row 20

(7.17.2.1) Facility

Wuhan, China

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

3.1

(7.17.2.3) Latitude

30.48768

(7.17.2.4) Longitude

114.44247

Row 21

(7.17.2.1) Facility

Takao, Japan

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

1546.5

(7.17.2.3) Latitude

35.6435

(7.17.2.4) Longitude

139.29128

Row 22

(7.17.2.1) Facility

Ottawa, Canada

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

0.9

(7.17.2.3) Latitude

45.352029

(7.17.2.4) Longitude

-75.918671

Row 23

(7.17.2.1) Facility

Zanker, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

683.9

(7.17.2.3) Latitude

37.3965

(7.17.2.4) Longitude

-121.93101

Row 24

(7.17.2.1) Facility

Zanker, USA

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

151.4

(7.17.2.3) Latitude

37.3965

(7.17.2.4) Longitude

-121.93101

Row 25

(7.17.2.1) Facility

Dallas

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

4.8

(7.17.2.3) Latitude

32.80667

(7.17.2.4) Longitude

-96.7999

Row 26

(7.17.2.1) Facility

Brazil

(7.17.2.2) Scope 1 emissions (metric tons CO2e)

7.1

### (7.17.2.3) Latitude

-22.8383

### (7.17.2.4) Longitude

-47.03473

[Add row]

**(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.**

*Select all that apply*

☒ By facility

**(7.20.2) Break down your total gross global Scope 2 emissions by business facility.**

**Row 1**

### (7.20.2.1) Facility

*Tokyo, Japan*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

7

### (7.20.2.3) Scope 2, market-based (metric tons CO2e)

7

**Row 3**

### (7.20.2.1) Facility

Taipei, Taiwan

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

226

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

226

Row 4

(7.20.2.1) Facility

San Jose - Ridder 1, USA

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

282

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 5

(7.20.2.1) Facility

Seongnam, Korea

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

21

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

Row 6

(7.20.2.1) Facility

Nanshan, China

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

485

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

485

Row 7

(7.20.2.1) Facility

Milan, Italy

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

57

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 8

(7.20.2.1) Facility

Zurich, Switzerland

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

15

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

## Row 9

(7.20.2.1) Facility

*Caswell, UK*

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

2694

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

## Row 10

(7.20.2.1) Facility

*Futian, China*

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

9755

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

9755



## Row 11

### (7.20.2.1) Facility

*San Jose - Rose Orchard, USA*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

2169

### (7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

## Row 12

### (7.20.2.1) Facility

*Sagamihara, Japan*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

6055

### (7.20.2.3) Scope 2, market-based (metric tons CO2e)

6055

## Row 13

### (7.20.2.1) Facility

*San Jose - Ridder 3, USA*

### (7.20.2.2) Scope 2, location-based (metric tons CO2e)

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 14

(7.20.2.1) Facility

Navanakorn, Thailand

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

28056

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 15

(7.20.2.1) Facility

Škofljica, Slovenia

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

287

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

0

Row 16

**(7.20.2.1) Facility**

*San Jose - Ridder 2, USA*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

1968

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 17**

**(7.20.2.1) Facility**

*Ottawa, Canada*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

127

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 18**

**(7.20.2.1) Facility**

*Paignton, UK*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

109

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

0

**Row 19**

**(7.20.2.1) Facility**

*Dongguan, China*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

2071

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

2071

**Row 20**

**(7.20.2.1) Facility**

*Shenzhen, China*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

4792

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

4792

**Row 21**

**(7.20.2.1) Facility**

Wuhan, China

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

315

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

315

Row 22

(7.20.2.1) Facility

Takao, Japan

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

5950

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

5950

Row 23

(7.20.2.1) Facility

Ottawa, Canada

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

2

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

Row 24

(7.20.2.1) Facility

Zanker 2911, USA

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

1439

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

500

Row 25

(7.20.2.1) Facility

Zanker 3081, USA

(7.20.2.2) Scope 2, location-based (metric tons CO2e)

346

(7.20.2.3) Scope 2, market-based (metric tons CO2e)

121

Row 26

(7.20.2.1) Facility

Dallas, USA

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

207

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

221

**Row 27**

**(7.20.2.1) Facility**

*Brazil*

**(7.20.2.2) Scope 2, location-based (metric tons CO2e)**

77

**(7.20.2.3) Scope 2, market-based (metric tons CO2e)**

77

*[Add row]*

**(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.**

**Consolidated accounting group**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

9813

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

67523

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

30598

**(7.22.4) Please explain**

*As per total inventory*

**All other entities**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

0

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

0

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

0

**(7.22.4) Please explain**

*Not Applicable*

*[Fixed row]*

**(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?**

*Select from:*

☒ Not relevant as we do not have any subsidiaries



(7.27) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Row 1

(7.27.1) Allocation challenges

Select from:  
☒ Diversity of product lines makes accurately accounting for each product/product line cost ineffective

(7.27.2) Please explain what would help you overcome these challenges

Lumentum is increasing its focus on quantifying the contribution of GHG to different product lines which will improve the allocation based on revenue.  
[Add row]

(7.28) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

	Do you plan to develop your capabilities to allocate emissions to your customers in the future?	Describe how you plan to develop your capabilities
	<div>Select from: <input checked="" type="checkbox"/> Yes</div>	Lumentum is improving its assessment of upstream emissions and allocation to products, We expect a year by year improvement.

[Fixed row]

(7.29) What percentage of your total operational spend in the reporting year was on energy?

Select from:  
☒ More than 0% but less than or equal to 5%

(7.30) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired electricity	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired heat	Select from: <input checked="" type="checkbox"/> No
Consumption of purchased or acquired steam	Select from: <input checked="" type="checkbox"/> No
Consumption of purchased or acquired cooling	Select from: <input checked="" type="checkbox"/> No
Generation of electricity, heat, steam, or cooling	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

### (7.30.1) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

#### Consumption of fuel (excluding feedstock)

##### (7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

##### (7.30.1.2) MWh from renewable sources

0

#### (7.30.1.3) MWh from non-renewable sources

36830

#### (7.30.1.4) Total (renewable and non-renewable) MWh

36830

### Consumption of purchased or acquired electricity

#### (7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

#### (7.30.1.2) MWh from renewable sources

101091

#### (7.30.1.3) MWh from non-renewable sources

63229

#### (7.30.1.4) Total (renewable and non-renewable) MWh

164320

### Consumption of self-generated non-fuel renewable energy

#### (7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

#### (7.30.1.2) MWh from renewable sources

210

#### (7.30.1.4) Total (renewable and non-renewable) MWh

210

### Total energy consumption

#### (7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

#### (7.30.1.2) MWh from renewable sources

101301

#### (7.30.1.3) MWh from non-renewable sources

100059

#### (7.30.1.4) Total (renewable and non-renewable) MWh

201360

[Fixed row]

### (7.30.6) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	<i>Select from:</i> <input checked="" type="checkbox"/> No
Consumption of fuel for the generation of heat	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of steam	<i>Select from:</i> <input checked="" type="checkbox"/> No
Consumption of fuel for the generation of cooling	<i>Select from:</i> <input checked="" type="checkbox"/> No
Consumption of fuel for co-generation or tri-generation	<i>Select from:</i> <input checked="" type="checkbox"/> No

[Fixed row]

**(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.**

### Sustainable biomass

#### (7.30.7.1) Heating value

*Select from:*

☒ Unable to confirm heating value

#### (7.30.7.2) Total fuel MWh consumed by the organization

0

#### (7.30.7.8) Comment

*No Biomass is used*

## Other biomass

### (7.30.7.1) Heating value

*Select from:*

☒ Unable to confirm heating value

### (7.30.7.2) Total fuel MWh consumed by the organization

0

### (7.30.7.8) Comment

*No Biomass is used*

## Other renewable fuels (e.g. renewable hydrogen)

### (7.30.7.1) Heating value

*Select from:*

☒ Unable to confirm heating value

### (7.30.7.2) Total fuel MWh consumed by the organization

0

### (7.30.7.8) Comment

*No renewable fuels*

## Coal

### (7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

#### (7.30.7.2) Total fuel MWh consumed by the organization

0

#### (7.30.7.8) Comment

*No Coal is used*

### Oil

#### (7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

#### (7.30.7.2) Total fuel MWh consumed by the organization

2274

#### (7.30.7.8) Comment

*Fuel consumed for self-generation is for backup generation sets and heating (one site only).*

### Gas

#### (7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

#### (7.30.7.2) Total fuel MWh consumed by the organization

(7.30.7.8) Comment

Natural Gas consumption for heating. Heating Value varies by source

Other non-renewable fuels (e.g. non-renewable hydrogen)

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.8) Comment

Not applicable

Total fuel

(7.30.7.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.7.2) Total fuel MWh consumed by the organization

36830

(7.30.7.8) Comment

Heating Value varies by source  
[Fixed row]



**(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.**

**Electricity**

**(7.30.9.1) Total Gross generation (MWh)**

210

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

210

**(7.30.9.3) Gross generation from renewable sources (MWh)**

210

**(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)**

210

**Heat**

**(7.30.9.1) Total Gross generation (MWh)**

0

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

0

**(7.30.9.3) Gross generation from renewable sources (MWh)**

0

**(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)**

0

## **Steam**

**(7.30.9.1) Total Gross generation (MWh)**

0

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

0

**(7.30.9.3) Gross generation from renewable sources (MWh)**

0

**(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)**

0

## **Cooling**

**(7.30.9.1) Total Gross generation (MWh)**

0

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

0

**(7.30.9.3) Gross generation from renewable sources (MWh)**

0

#### (7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)

0

[Fixed row]

**(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.**

#### Row 1

##### (7.30.14.1) Country/area

Select from:

☒ Canada

##### (7.30.14.2) Sourcing method

Select from:

☒ Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

##### (7.30.14.3) Energy carrier

Select from:

☒ Electricity

##### (7.30.14.4) Low-carbon technology type

Select from:

☒ Hydropower (capacity unknown)

##### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

**(7.30.14.6) Tracking instrument used***Select from:*☒ US-REC**(7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute***Select from:*☒ Canada**(7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?***Select from:*☒ No**(7.30.14.10) Comment***commissioning date 1990-2020 Green-e certified, Eco-Logo certified.***Row 2****(7.30.14.1) Country/area***Select from:*☒ United Kingdom of Great Britain and Northern Ireland**(7.30.14.2) Sourcing method***Select from:*☒ Retail supply contract with an electricity supplier (retail green electricity)**(7.30.14.3) Energy carrier**

Select from:

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

☒ Renewable energy mix, please specify :100 percent Renewable, Solar, Hydro, Wind

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

14008

#### (7.30.14.6) Tracking instrument used

Select from:

☒ REGO

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ United Kingdom of Great Britain and Northern Ireland

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ No

#### (7.30.14.10) Comment

*Green electricity supply-commissioning date is not available due to mix of products*

### Row 3

#### (7.30.14.1) Country/area

Select from:

☒ Slovenia

#### (7.30.14.2) Sourcing method

Select from:

☒ Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

#### (7.30.14.3) Energy carrier

Select from:

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

☒ Sustainable biomass

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

1222

#### (7.30.14.6) Tracking instrument used

Select from:

☒ GO

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ Slovenia

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ No

#### (7.30.14.10) Comment

*Very small volume*

#### Row 4

#### (7.30.14.1) Country/area

*Select from:*

☒ Italy

#### (7.30.14.2) Sourcing method

*Select from:*

☒ Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

#### (7.30.14.3) Energy carrier

*Select from:*

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

*Select from:*

☒ Large hydropower (>25 MW)

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

206

#### (7.30.14.6) Tracking instrument used

*Select from:*

☒ GO

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ Italy

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ No

#### (7.30.14.10) Comment

*Very small volume*

### Row 6

#### (7.30.14.1) Country/area

Select from:

☒ Switzerland

#### (7.30.14.2) Sourcing method

Select from:

☒ Retail supply contract with an electricity supplier (retail green electricity)

#### (7.30.14.3) Energy carrier

Select from:

☒ Electricity

#### (7.30.14.4) Low-carbon technology type



Select from:

☒ Hydropower (capacity unknown)

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

623

#### (7.30.14.6) Tracking instrument used

Select from:

☒ Contract

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ Switzerland

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ No

#### (7.30.14.10) Comment

*Green electricity supply-commissioning date is not available due to mix of products*

### Row 7

#### (7.30.14.1) Country/area

Select from:

☒ Thailand

#### (7.30.14.2) Sourcing method

Select from:

☒ Unbundled procurement of energy attribute certificates (EACs)

#### (7.30.14.3) Energy carrier

Select from:

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

☒ Wind

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

51364

#### (7.30.14.6) Tracking instrument used

Select from:

☒ I-REC

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ Thailand

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ Yes

#### (7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2016

#### (7.30.14.10) Comment

*Locally Sourced iREC from Thailand. Commissioning dates 2011 to 2016*

#### Row 8

#### (7.30.14.1) Country/area

*Select from:*

☒ Thailand

#### (7.30.14.2) Sourcing method

*Select from:*

☒ Unbundled procurement of energy attribute certificates (EACs)

#### (7.30.14.3) Energy carrier

*Select from:*

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

*Select from:*

☒ Solar

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

8511

#### (7.30.14.6) Tracking instrument used

*Select from:*

☒ I-REC

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ Thailand

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ Yes

#### (7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2016

#### (7.30.14.10) Comment

*Locally Sourced iREC from Thailand. Commissioning dates 2011 to 2016*

### Row 9

#### (7.30.14.1) Country/area

Select from:

☒ United States of America

#### (7.30.14.2) Sourcing method

Select from:

☒ Unbundled procurement of energy attribute certificates (EACs)

#### (7.30.14.3) Energy carrier

Select from:

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

☒ Wind

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

19604

#### (7.30.14.6) Tracking instrument used

Select from:

☒ US-REC

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ United States of America

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ Yes

#### (7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2010

#### (7.30.14.10) Comment

Green-e certified REC (age

**Row 10**

#### (7.30.14.1) Country/area

Select from:

☒ United States of America

#### (7.30.14.2) Sourcing method

Select from:

☒ Other, please specify :San Jose Total Green

#### (7.30.14.3) Energy carrier

Select from:

☒ Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

☒ Renewable energy mix, please specify :50% solar, 50% wind

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

1337

#### (7.30.14.6) Tracking instrument used

Select from:

☒ US-REC

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

☒ United States of America

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

☒ Yes

**(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**

2010

**(7.30.14.10) Comment**

San Jose Clean Energy Program (Green-e certified, age  
[Add row]

**(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.**

**Brazil**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

788

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

788.00

## Canada

### (7.30.16.1) Consumption of purchased electricity (MWh)

4287

### (7.30.16.2) Consumption of self-generated electricity (MWh)

0

### (7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

### (7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

### (7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

4287.00

## China

### (7.30.16.1) Consumption of purchased electricity (MWh)

28059

### (7.30.16.2) Consumption of self-generated electricity (MWh)

0

### (7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0



**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

28059.00

**Democratic People's Republic of Korea**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

43

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

43.00

**Italy**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

206

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

206.00

**Japan**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

24888

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

24888.00

## Slovenia

### (7.30.16.1) Consumption of purchased electricity (MWh)

1222

### (7.30.16.2) Consumption of self-generated electricity (MWh)

210

### (7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

### (7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

### (7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1432.00

## Switzerland

### (7.30.16.1) Consumption of purchased electricity (MWh)

623

### (7.30.16.2) Consumption of self-generated electricity (MWh)

0

### (7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

623.00

## **Taiwan, China**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

409

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

409.00

## **Thailand**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

59875

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

59875.00

**United Kingdom of Great Britain and Northern Ireland**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

14008

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

14008.00

**United States of America**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

29912

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

0

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

0

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

29912.00  
*[Fixed row]*

**(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.**

**Row 1**

**(7.45.1) Intensity figure**

0.0000228696

#### (7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

40411

#### (7.45.3) Metric denominator

Select from:

☒ unit total revenue

#### (7.45.4) Metric denominator: Unit total

1767000000

#### (7.45.5) Scope 2 figure used

Select from:

☒ Market-based

#### (7.45.6) % change from previous year

28

#### (7.45.7) Direction of change

Select from:

☒ Decreased

#### (7.45.8) Reasons for change

Select all that apply

☒ Change in renewable energy consumption

#### (7.45.9) Please explain

Purchase of renewable energy increased from 9% to 62%

[Add row]

**(7.52) Provide any additional climate-related metrics relevant to your business.**

**Row 1**

**(7.52.1) Description**

Select from:

☒ Other, please specify :Not Applicable

**(7.52.2) Metric value**

0

**(7.52.3) Metric numerator**

0

**(7.52.4) Metric denominator (intensity metric only)**

0

**(7.52.5) % change from previous year**

0

**(7.52.6) Direction of change**

Select from:

☒ No change

**(7.52.7) Please explain**



Note this is not scored

[Add row]

## (7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

☒ Absolute target

☒ Intensity target

### (7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

#### Row 1

##### (7.53.1.1) Target reference number

Select from:

☒ Abs 1

##### (7.53.1.2) Is this a science-based target?

Select from:

☒ Yes, we consider this a science-based target, and we have committed to seek validation of this target by the Science Based Targets initiative in the next two years

##### (7.53.1.4) Target ambition

Select from:

☒ 1.5°C aligned

##### (7.53.1.5) Date target was set

06/29/2020

##### (7.53.1.6) Target coverage

Select from:

☒ Organization-wide

### (7.53.1.7) Greenhouse gases covered by target

Select all that apply

☒ Methane (CH<sub>4</sub>)

☒ Nitrous oxide (N<sub>2</sub>O)

☒ Carbon dioxide (CO<sub>2</sub>)

☒ Perfluorocarbons (PFCs)

☒ Hydrofluorocarbons (HFCs)

☒ Sulphur hexafluoride (SF<sub>6</sub>)

☒ Nitrogen trifluoride (NF<sub>3</sub>)

### (7.53.1.8) Scopes

Select all that apply

☒ Scope 1

☒ Scope 2

### (7.53.1.9) Scope 2 accounting method

Select from:

☒ Market-based

### (7.53.1.11) End date of base year

06/29/2019

### (7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO<sub>2</sub>e)

6692

### (7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO<sub>2</sub>e)

57891

**(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)**

0.000

**(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)**

64583.000

**(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1**

100

**(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2**

100

**(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes**

100

**(7.53.1.54) End date of target**

06/29/2030

**(7.53.1.55) Targeted reduction from base year (%)**

100

**(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)**

0.000

**(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)**

9813

#### (7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

30598

#### (7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

40411.000

#### (7.53.1.78) Land-related emissions covered by target

Select from:

☒ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

#### (7.53.1.79) % of target achieved relative to base year

37.43

#### (7.53.1.80) Target status in reporting year

Select from:

☒ Underway

#### (7.53.1.82) Explain target coverage and identify any exclusions

*Target is to achieve net zero scope 1 and 2 emissions by 2030. The target exceeds the requirements of the SBT near-term target (2030) for Scope 1/2. We have committed to Science Based Targets in the reporting year and anticipate validation of the targets within the calendar year 2024. Base year emissions before re-baselining for Neophotonics acquisition were: S15501 TCO2, S242524 TCO2.*

#### (7.53.1.83) Target objective

*Net Zero Scope 1, Scope 2 by 2030*

#### (7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

*Previously emissions increased relative to our target due to increased business output, however, we have progress from renewable energy contracts with utility suppliers coming online since we increased renewable sourcing in FY23 to 62% renewable sourcing. Additionally, Lumentum is focusing on energy efficient operation of sites and is developing a roadmap to address Scope 1 emissions.*

#### **(7.53.1.85) Target derived using a sectoral decarbonization approach**

Select from:

☒ No

#### **Row 2**

#### **(7.53.1.1) Target reference number**

Select from:

☒ Abs 2

#### **(7.53.1.2) Is this a science-based target?**

Select from:

☒ No, but we anticipate setting one in the next two years

#### **(7.53.1.5) Date target was set**

06/29/2019

#### **(7.53.1.6) Target coverage**

Select from:

☒ Organization-wide

#### **(7.53.1.7) Greenhouse gases covered by target**

Select all that apply

☒ Carbon dioxide (CO2)

### (7.53.1.8) Scopes

Select all that apply

☒ Scope 3

### (7.53.1.10) Scope 3 categories

Select all that apply

☒ Scope 3, Category 6 – Business travel

### (7.53.1.11) End date of base year

06/29/2019

### (7.53.1.19) Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

2988.0

### (7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

2988.000

### (7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

2988.000

### (7.53.1.40) Base year Scope 3, Category 6: Business travel emissions covered by target as % of total base year emissions in Scope 3, Category 6: Business travel (metric tons CO2e)

100.0

### (7.53.1.52) Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

4.0

**(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes**

4.0

**(7.53.1.54) End date of target**

06/29/2023

**(7.53.1.55) Targeted reduction from base year (%)**

67

**(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)**

986.040

**(7.53.1.64) Scope 3, Category 6: Business travel emissions in reporting year covered by target (metric tons CO2e)**

689

**(7.53.1.76) Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)**

689.000

**(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)**

689.000

**(7.53.1.78) Land-related emissions covered by target**

Select from:

☒ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**(7.53.1.79) % of target achieved relative to base year**

**(7.53.1.80) Target status in reporting year**

Select from:

☒ Achieved**(7.53.1.82) Explain target coverage and identify any exclusions***Target to reduce emissions from business air travel by 20% annually.***(7.53.1.83) Target objective***Target to reduce emissions from business air travel by 20% annually***(7.53.1.85) Target derived using a sectoral decarbonization approach**

Select from:

☒ No**(7.53.1.86) List the emissions reduction initiatives which contributed most to achieving this target***Reduced air travel across the business**[Add row]***(7.53.2) Provide details of your emissions intensity targets and progress made against those targets.****Row 1****(7.53.2.1) Target reference number**

Select from:

☒ Int 1



### (7.53.2.2) Is this a science-based target?

Select from:

- ☒ No, but we anticipate setting one in the next two years

### (7.53.2.5) Date target was set

06/29/2021

### (7.53.2.6) Target coverage

Select from:

- ☒ Business activity

### (7.53.2.7) Greenhouse gases covered by target

Select all that apply

- ☒ Carbon dioxide (CO2)

### (7.53.2.8) Scopes

Select all that apply

- ☒ Scope 1  
☒ Scope 2  
☒ Scope 3

### (7.53.2.9) Scope 2 accounting method

Select from:

- ☒ Market-based

### (7.53.2.10) Scope 3 categories

Select all that apply

- ☒ Category 1: Purchased goods and services

☒ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

☒ Category 6: Business travel

#### **(7.53.2.11) Intensity metric**

Select from:

☒ Metric tons CO2e per unit revenue

#### **(7.53.2.12) End date of base year**

06/29/2021

#### **(7.53.2.13) Intensity figure in base year for Scope 1 (metric tons CO2e per unit of activity)**

0.000005303

#### **(7.53.2.14) Intensity figure in base year for Scope 2 (metric tons CO2e per unit of activity)**

0.000029108

#### **(7.53.2.15) Intensity figure in base year for Scope 3, Category 1: Purchased goods and services (metric tons CO2e per unit of activity)**

0.000017561

#### **(7.53.2.17) Intensity figure in base year for Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e per unit of activity)**

0.000007753

#### **(7.53.2.20) Intensity figure in base year for Scope 3, Category 6: Business travel (metric tons CO2e per unit of activity)**

3e-8

#### **(7.53.2.32) Intensity figure in base year for total Scope 3 (metric tons CO2e per unit of activity)**

0.0000253440

**(7.53.2.33) Intensity figure in base year for all selected Scopes (metric tons CO2e per unit of activity)**

0.0000597550

**(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure**

100

**(7.53.2.35) % of total base year emissions in Scope 2 covered by this Scope 2 intensity figure**

100

**(7.53.2.36) % of total base year emissions in Scope 3, Category 1: Purchased goods and services covered by this Scope 3, Category 1: Purchased goods and services intensity figure**

24

**(7.53.2.38) % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) covered by this Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) intensity figure**

100

**(7.53.2.41) % of total base year emissions in Scope 3, Category 6: Business travel covered by this Scope 3, Category 6: Business travel intensity figure**

100

**(7.53.2.53) % of total base year emissions in Scope 3 (in all Scope 3 categories) covered by this total Scope 3 intensity figure**

26

**(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure**

45

**(7.53.2.55) End date of target**

06/29/2024

**(7.53.2.56) Targeted reduction from base year (%)**

25

**(7.53.2.57) Intensity figure at end date of target for all selected Scopes (metric tons CO2e per unit of activity)**

0.0000448163

**(7.53.2.58) % change anticipated in absolute Scope 1+2 emissions**

25

**(7.53.2.59) % change anticipated in absolute Scope 3 emissions**

25

**(7.53.2.60) Intensity figure in reporting year for Scope 1 (metric tons CO2e per unit of activity)**

0.000005553

**(7.53.2.61) Intensity figure in reporting year for Scope 2 (metric tons CO2e per unit of activity)**

0.000017316

**(7.53.2.62) Intensity figure in reporting year for Scope 3, Category 1: Purchased goods and services (metric tons CO2e per unit of activity)**

0.000015788

**(7.53.2.64) Intensity figure in reporting year for Scope 3, Category 3: Fuel- and energy-related activities (metric tons CO2e per unit of activity)**

0.00000651

**(7.53.2.67) Intensity figure in reporting year for Scope 3, Category 6: Business travel (metric tons CO2e per unit of activity)**

3.9e-7

**(7.53.2.79) Intensity figure in reporting year for total Scope 3 (metric tons CO2e per unit of activity)**

0.0000226880

**(7.53.2.80) Intensity figure in reporting year for all selected Scopes (metric tons CO2e per unit of activity)**

0.0000455570

**(7.53.2.81) Land-related emissions covered by target**

Select from:

☒ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**(7.53.2.82) % of target achieved relative to base year**

95.04

**(7.53.2.83) Target status in reporting year**

Select from:

☒ Underway

**(7.53.2.85) Explain target coverage and identify any exclusions**

Target to reduce greenhouse gas intensity by 25% by FY24 from a FY21 baseline. Target includes all scope 1 & 2 emissions and scope 3.1 (emissions from contract manufacturers only), Scope 3.3 (Upstream Fuel and Energy) and Scope 3.6 (Business Travel-Air Only). Base year emissions Intensity before re-baselining for Neophotonics acquisition were:S10.00000451 S20.00002514 S3.10.00001793

(7.53.2.86) Target objective

Lumentum targets reductions in emissions in its facilities (Scope 1,2 ), but also our Contract Manufacturers which is a significant proportion of direct spend.

(7.53.2.87) Plan for achieving target, and progress made to the end of the reporting year

\*We plan to achieve the target through 1) increased renewable energy procurement in our direct operations, 2) increased engagement with our contract manufacturers, and 3) increased revenue with existing capacity.

(7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

☒ No

[Add row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

☒ Targets to increase or maintain low-carbon energy consumption or production

☒ Other climate-related targets

(7.54.1) Provide details of your targets to increase or maintain low-carbon energy consumption or production.

Row 1

(7.54.1.1) Target reference number

Select from:

☒ Low 2

#### (7.54.1.2) Date target was set

06/30/2021

#### (7.54.1.3) Target coverage

Select from:

☒ Organization-wide

#### (7.54.1.4) Target type: energy carrier

Select from:

☒ Electricity

#### (7.54.1.5) Target type: activity

Select from:

☒ Consumption

#### (7.54.1.6) Target type: energy source

Select from:

☒ Renewable energy source(s) only

#### (7.54.1.7) End date of base year

06/29/2021

#### (7.54.1.8) Consumption or production of selected energy carrier in base year (MWh)

1235

#### (7.54.1.9) % share of low-carbon or renewable energy in base year

1.1

#### (7.54.1.10) End date of target

06/29/2023

#### (7.54.1.11) % share of low-carbon or renewable energy at end date of target

60

#### (7.54.1.12) % share of low-carbon or renewable energy in reporting year

62

#### (7.54.1.13) % of target achieved relative to base year

103.40

#### (7.54.1.14) Target status in reporting year

Select from:

☒ Achieved and maintained

#### (7.54.1.16) Is this target part of an emissions target?

Target is part of Abs1, achieving net zero scope 1 and 2 emissions by 2030.

#### (7.54.1.17) Is this target part of an overarching initiative?

Select all that apply

☒ No, it's not part of an overarching initiative

#### (7.54.1.19) Explain target coverage and identify any exclusions

Target is to sign renewable energy sourcing contracts by the end of FY23 (In June 2023) to source 60% of global electricity by renewable sources.

#### (7.54.1.20) Target objective



### (7.54.1.22) List the actions which contributed most to achieving this target

*The target was achieved through procurement of renewable energy options with our local utility suppliers and the acquisition of verified renewable energy certificates. The target was exceeded by reaching 62% global renewable sourcing.*

### Row 3

#### (7.54.1.1) Target reference number

Select from:

☒ Low 1

#### (7.54.1.2) Date target was set

06/30/2019

#### (7.54.1.3) Target coverage

Select from:

☒ Site/facility

#### (7.54.1.4) Target type: energy carrier

Select from:

☒ Electricity

#### (7.54.1.5) Target type: activity

Select from:

☒ Consumption

#### (7.54.1.6) Target type: energy source

Select from:

☒ Renewable energy source(s) only

**(7.54.1.7) End date of base year**

06/29/2019

**(7.54.1.8) Consumption or production of selected energy carrier in base year (MWh)**

2

**(7.54.1.9) % share of low-carbon or renewable energy in base year**

0.0

**(7.54.1.10) End date of target**

06/29/2023

**(7.54.1.11) % share of low-carbon or renewable energy at end date of target**

100

**(7.54.1.12) % share of low-carbon or renewable energy in reporting year**

100

**(7.54.1.13) % of target achieved relative to base year**

100.00

**(7.54.1.14) Target status in reporting year**

Select from:

☒ Achieved and maintained

#### (7.54.1.16) Is this target part of an emissions target?

*Target is part of Abs1, achieving net zero scope 1 and 2 emissions by 2030.*

#### (7.54.1.17) Is this target part of an overarching initiative?

*Select all that apply*

☒ No, it's not part of an overarching initiative

#### (7.54.1.19) Explain target coverage and identify any exclusions

*Target set to source 100% renewable electricity at our corporate headquarters campus by FY23.*

#### (7.54.1.20) Target objective

*Source 100% renewable electricity at our corporate headquarters campus by FY23*

#### (7.54.1.22) List the actions which contributed most to achieving this target

*The site has been on 100% renewably sourced electricity since December 2020 and for the whole of the reporting year and the target is achieved. The target was achieved through procurement of renewable energy options with our local utility supplier which supplied 100% of the electricity consumption for the reporting year.*  
[Add row]

#### (7.54.2) Provide details of any other climate-related targets, including methane reduction targets.

##### Row 1

#### (7.54.2.1) Target reference number

*Select from:*

☒ Oth 1

#### (7.54.2.2) Date target was set

*06/29/2021*

### (7.54.2.3) Target coverage

Select from:

☒ Suppliers

### (7.54.2.4) Target type: absolute or intensity

Select from:

☒ Intensity

### (7.54.2.5) Target type: category & Metric (target numerator if reporting an intensity target)

#### Engagement with suppliers

☒ Percentage of suppliers (by procurement spend) disclosing their GHG emissions

### (7.54.2.6) Target denominator (intensity targets only)

Select from:

☒ unit revenue

### (7.54.2.7) End date of base year

06/29/2021

### (7.54.2.8) Figure or percentage in base year

0

### (7.54.2.9) End date of target

06/29/2023

### (7.54.2.10) Figure or percentage at end of date of target

60

#### (7.54.2.11) Figure or percentage in reporting year

60

#### (7.54.2.12) % of target achieved relative to base year

100.0000000000

#### (7.54.2.13) Target status in reporting year

Select from:

☒ Achieved and maintained

#### (7.54.2.15) Is this target part of an emissions target?

No

#### (7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

☒ No, it's not part of an overarching initiative

#### (7.54.2.18) Please explain target coverage and identify any exclusions

*We target that our contract manufacturers disclose their Scope 1 and Scope 2 emissions. This constitutes around 60% of direct procurement spend.*

#### (7.54.2.19) Target objective

*60% of direct procurement disclose and allocate their scope 1, 2 emissions*

#### (7.54.2.21) List the actions which contributed most to achieving this target

*Quarterly engagement with suppliers totalling approx. 60% of direct procurement spend*

[Add row]

(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.

Select from:

☒ Yes

(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	15	`Numeric input
To be implemented	0	0
Implementation commenced	0	0
Implemented	7	3383
Not to be implemented	0	`Numeric input

[Fixed row]

(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.

Row 1

(7.55.2.1) Initiative category & Initiative type

Energy efficiency in buildings

☒ Solar shading

#### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

34

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

*Select all that apply*

☒ Scope 2 (location-based)

#### (7.55.2.4) Voluntary/Mandatory

*Select from:*

☒ Voluntary

#### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

24377

#### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

256419

#### (7.55.2.7) Payback period

*Select from:*

☒ 11-15 years

#### (7.55.2.8) Estimated lifetime of the initiative

*Select from:*

☒ 6-10 years

#### (7.55.2.9) Comment

Use of window film to reduce solar heating in summer

## Row 2

### (7.55.2.1) Initiative category & Initiative type

#### Energy efficiency in production processes

☒ Compressed air

### (7.55.2.2) Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)

483

### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 2 (location-based)

### (7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

128823

### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

28800

### (7.55.2.7) Payback period

Select from:



☒ <1 year

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

☒ 3-5 years

#### (7.55.2.9) Comment

*Air compressor efficiency, leaks and control*

### Row 3

#### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in buildings**

☒ Heating, Ventilation and Air Conditioning (HVAC)

#### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

252

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 2 (location-based)

#### (7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

#### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

71076

#### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

3500

#### (7.55.2.7) Payback period

Select from:

☒ <1 year

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

☒ 3-5 years

#### (7.55.2.9) Comment

*Various HVAC improvements*

### Row 4

#### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in buildings**

☒ Lighting

#### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

57

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 2 (location-based)

#### (7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

#### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

13852

#### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

84800

#### (7.55.2.7) Payback period

Select from:

☒ 4-10 years

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

☒ 6-10 years

#### (7.55.2.9) Comment

*LED lighting implementation*

### Row 5

#### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in production processes**

☒ Process optimization

#### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

2448

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

*Select all that apply*

☒ Scope 2 (location-based)

#### (7.55.2.4) Voluntary/Mandatory

*Select from:*

☒ Voluntary

#### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

705717

#### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

2800000

#### (7.55.2.7) Payback period

*Select from:*

☒ 4-10 years

#### (7.55.2.8) Estimated lifetime of the initiative

*Select from:*

☒ 3-5 years

#### (7.55.2.9) Comment

## Row 6

### (7.55.2.1) Initiative category & Initiative type

#### Energy efficiency in production processes

☒ Motors and drives

### (7.55.2.2) Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)

94

### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 2 (location-based)

### (7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

26968

### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

7380

### (7.55.2.7) Payback period

Select from:

☒ <1 year

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

☒ 6-10 years

#### (7.55.2.9) Comment

*Implementation of Variable speed drives (VSD) and efficient motor systems*

### Row 7

#### (7.55.2.1) Initiative category & Initiative type

**Non-energy industrial process emissions reductions**

☒ Process equipment replacement

#### (7.55.2.2) Estimated annual CO<sub>2</sub>e savings (metric tonnes CO<sub>2</sub>e)

15

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

☒ Scope 2 (location-based)

#### (7.55.2.4) Voluntary/Mandatory

Select from:

☒ Voluntary

#### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

6426

#### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

66357

#### (7.55.2.7) Payback period

Select from:

☒ 4-10 years

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

☒ 6-10 years

#### (7.55.2.9) Comment

*Improvement of processes and testing*

[Add row]

### (7.55.3) What methods do you use to drive investment in emissions reduction activities?

#### Row 1

#### (7.55.3.1) Method

Select from:

☒ Compliance with regulatory requirements/standards

#### (7.55.3.2) Comment

*Our manufacturing processes entail the use of proprietary chemicals that are subject to emissions controls and reporting. We allocate appropriate budget to ensure our operations remain in compliance with all regulations. Any changes in reporting requirements or allowable emissions could result in significant additional costs.*

[Add row]

**(7.73) Are you providing product level data for your organization's goods or services?**

Select from:

☒ No, I am not providing data

**(7.74) Do you classify any of your existing goods and/or services as low-carbon products?**

Select from:

☒ Yes

**(7.74.1) Provide details of your products and/or services that you classify as low-carbon products.**

**Row 1**

**(7.74.1.1) Level of aggregation**

Select from:

☒ Product or service

**(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon**

Select from:

☒ No taxonomy used to classify product(s) or service(s) as low carbon

**(7.74.1.3) Type of product(s) or service(s)**

**Other**

☒ Other, please specify :Product energy efficiency

**(7.74.1.4) Description of product(s) or service(s)**



Across our business lines, we aim to increase wall-plug efficiency, allowing our customers to process more data or maintain operational runtimes while using less power. Other product enhancements include improved temperature controls to allow products to operate at higher temperature ranges, decreasing the need for air-conditioning and reducing power consumption. Finally, we aim to increase optical output power, offering our customers more efficient equipment that uses less space and reduces emissions from transportation due to lighter weights.

**(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)**

Select from:

☒ No

**(7.74.1.13) Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year**

0  
[Add row]

**(7.79) Has your organization canceled any project-based carbon credits within the reporting year?**

Select from:

☒ No

## C9. Environmental performance - Water security

### (9.1) Are there any exclusions from your disclosure of water-related data?

Select from:

☒ No

### (9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

#### Water withdrawals – total volumes

##### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

##### (9.2.2) Frequency of measurement

Select from:

☒ Quarterly

##### (9.2.3) Method of measurement

*Metering and estimates. Some data provided via water bills*

##### (9.2.4) Please explain

*In measuring water withdrawal, we use primary data across most sites with the exception of a few small offices (*

#### Water withdrawals – volumes by source

##### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

### (9.2.2) Frequency of measurement

Select from:

☒ Quarterly

### (9.2.3) Method of measurement

*Metering and estimates.*

### (9.2.4) Please explain

*In measuring water withdrawal, we use primary data across most sites with the exception of a few small offices (*

## Water withdrawals quality

### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

### (9.2.2) Frequency of measurement

Select from:

☒ Monthly

### (9.2.3) Method of measurement

*Reporting against agreed quality parameters*

### (9.2.4) Please explain

*Not all sites measure this as it is not relevant to their operations so the number of facilities included has been considered against the relevance of this factor. Of the sites that do, the frequency ranges from monthly to 2 x a year depending on the site. Methods differ by jurisdiction but generally involves samples collected on site and sent to a 3rd party lab for testing. This is conducted in line with regulatory requirements. Domestic water and mains water is received from municipal sources already controlled for quality*

## **Water discharges – total volumes**

### **(9.2.1) % of sites/facilities/operations**

Select from:

☒ 100%

### **(9.2.2) Frequency of measurement**

Select from:

☒ Quarterly

### **(9.2.3) Method of measurement**

*Metering and estimation. Metering and estimates. Some data provided via water bills*

### **(9.2.4) Please explain**

*Industrial discharge is metered at some sites, and where meters are not available secondary data is used to estimate the volumes.*

## **Water discharges – volumes by destination**

### **(9.2.1) % of sites/facilities/operations**

Select from:

☒ 100%

### **(9.2.2) Frequency of measurement**

Select from:

☒ Quarterly

### (9.2.3) Method of measurement

*Metering and estimation*

### (9.2.4) Please explain

*Industrial discharge is metered at some sites, and where meters are not available secondary data is used to estimate the volumes.*

## Water discharges – volumes by treatment method

### (9.2.1) % of sites/facilities/operations

*Select from:*

☒ 100%

### (9.2.2) Frequency of measurement

*Select from:*

☒ Continuously

### (9.2.3) Method of measurement

*Metered*

### (9.2.4) Please explain

*We track production, supporting processes, domestic uses water discharge volumes treated onsite by different methods and offsite by third certified party. The majority of Lumentum's manufacturing sites has water discharge pre-treatment from production, supporting facilities, domestic uses. Our manufacturing process water is treated to meet the regulatory requirements. We have considered the relevance of this aspect and requirements within this answer so have considered relevant water discharges for this percentage*

## Water discharge quality – by standard effluent parameters

### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

### (9.2.2) Frequency of measurement

Select from:

☒ Continuously

### (9.2.3) Method of measurement

Metered

### (9.2.4) Please explain

*Lumentum complies with regulatory requirements in its countries of accountability and monitors standard effluent parameters. Our manufacturing process water is treated to meet the regulatory requirements and this is monitored by our WPS and EHS teams. We have considered the relevance of this aspect and requirements within this answer to assess which discharges are in scope. We use local guidance and standards as well as agreed good practice to measure and monitor standard effluent parameters as applicable. For example, this may include monitoring COD, BOD, pH, TSS and other effluent parameters.*

## Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)

### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

### (9.2.2) Frequency of measurement

Select from:

☒ Other, please specify :Dependent on the site requirements and needs and geography - ranges from monthly to biennially

### (9.2.3) Method of measurement

Methods differ depending on the site, water discharge requirements and jurisdiction but generally samples will be collected on site and send to a 3rd party lab for testing. Some sites will conduct internal monitoring on a more frequent basis as appropriate

#### (9.2.4) Please explain

Lumentum complies with regulatory requirements in its countries of accountability and monitors emissions to water, e.g. collecting sludge at manufacturing facilities and disposing of it as industrial waste. Sanitary sewer wastewater is not measured. It is done by 3rd party and is excluded on relevance for this question as it would not include these priority substances.

### Water discharge quality – temperature

#### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

#### (9.2.2) Frequency of measurement

Select from:

☒ Quarterly

#### (9.2.3) Method of measurement

Measured by third party lab

#### (9.2.4) Please explain

Some manufacturing sites, where this is relevant, will monitor and measure discharge water temperature either by using a third party lab or their own system installed at the outlet

### Water consumption – total volume

#### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

### (9.2.2) Frequency of measurement

Select from:

☒ Quarterly

### (9.2.3) Method of measurement

*Estimated*

### (9.2.4) Please explain

*We estimate consumption as [withdrawal - discharge] in line with agreed standards*

### Water recycled/reused

### (9.2.1) % of sites/facilities/operations

Select from:

☒ 76-99

### (9.2.2) Frequency of measurement

Select from:

☒ Continuously

### (9.2.3) Method of measurement

*Not systematically measured across all sites but storage is monitored with the purpose of reusing water where applicable for relevant sites*

### (9.2.4) Please explain

*Our sites, particularly manufacturing facilities, maximise closed-loop water consumption for cooling and heating wherever feasible and practicable, in line with our commitment to continuous improvement. Where it is in place, water storage and reclamation (e.g. rainwater harvesting) are continuously monitored, with checks performed twice daily by each shift.*



## The provision of fully-functioning, safely managed WASH services to all workers

### (9.2.1) % of sites/facilities/operations

Select from:

☒ 100%

### (9.2.2) Frequency of measurement

Select from:

☒ Continuously

### (9.2.3) Method of measurement

*All sites are equipped with WASH services*

### (9.2.4) Please explain

*100 of sites are equipped with WASH services in line with our responsible business and legal requirements. This is monitored annually as part of Responsible Business Alliance audits. All employees on Lumentum sites have access to safe drinking water and WASH services.*

*[Fixed row]*

**(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?**

#### Total withdrawals

##### (9.2.2.1) Volume (megaliters/year)

636.05

##### (9.2.2.2) Comparison with previous reporting year

Select from:

☒ Higher

#### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☒ Mergers and acquisitions

#### (9.2.2.4) Five-year forecast

Select from:

☒ Lower

#### (9.2.2.5) Primary reason for forecast

Select from:

☒ Increase/decrease in efficiency

#### (9.2.2.6) Please explain

*Due to acquisitions in FY23, our withdrawals increased. We also updated and improved our accounting methodology to improve data collation for water withdrawals and discharges. We anticipate that consumption will decrease, in line with our withdrawal and discharge, as we improve our water efficiency across our sites and strive towards our water targets.*

### Total discharges

#### (9.2.2.1) Volume (megaliters/year)

394.87

#### (9.2.2.2) Comparison with previous reporting year

Select from:

☒ Higher

#### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☒ Mergers and acquisitions

#### (9.2.2.4) Five-year forecast

Select from:

☒ Lower

#### (9.2.2.5) Primary reason for forecast

Select from:

☒ Increase/decrease in efficiency

#### (9.2.2.6) Please explain

*Due to acquisitions in FY23, our withdrawals increased. We also updated and improved our accounting methodology to improve data collation for water withdrawals and discharges*

### Total consumption

#### (9.2.2.1) Volume (megaliters/year)

241.18

#### (9.2.2.2) Comparison with previous reporting year

Select from:

☒ Higher

#### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

☒ Mergers and acquisitions

#### (9.2.2.4) Five-year forecast

Select from:

☒ Lower

#### (9.2.2.5) Primary reason for forecast

Select from:

☒ Increase/decrease in efficiency

#### (9.2.2.6) Please explain

*Due to acquisitions in FY23, our withdrawals increased. We also updated and improved our accounting methodology to improve data collation for water withdrawals and discharges*

*[Fixed row]*

**(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.**

#### (9.2.4.1) Withdrawals are from areas with water stress

Select from:

☒ Yes

#### (9.2.4.2) Volume withdrawn from areas with water stress (megaliters)

235.65

#### (9.2.4.3) Comparison with previous reporting year

Select from:

☒ Lower

#### (9.2.4.4) Primary reason for comparison with previous reporting year

Select from:

☒ Change in accounting methodology

#### (9.2.4.5) Five-year forecast

Select from:

☒ Lower

#### (9.2.4.6) Primary reason for forecast

Select from:

☒ Increase/decrease in efficiency

#### (9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress

37.05

#### (9.2.4.8) Identification tool

Select all that apply

☒ WRI Aqueduct

☒ WWF Water Risk Filter

#### (9.2.4.9) Please explain

*In line with CDP reporting guidance and updated scoring from WRI Aqueduct we have reviewed our water assessments for water stress risk. Under the updated guidance for Aqueduct water stressed sites, CDP use high as the threshold for reporting, and so we have updated our methodology for which sites are water stressed in line with this. We internally continue to monitor any sites rated med-high in line with good practice and WRI Aqueduct and WWF Water Risk Filter guidance.*  
[Fixed row]

#### (9.2.7) Provide total water withdrawal data by source.

**Fresh surface water, including rainwater, water from wetlands, rivers, and lakes**

#### (9.2.7.1) Relevance

Select from:

☒ Not relevant

#### (9.2.7.5) Please explain

*We do not withdraw water from this source*

### Brackish surface water/Seawater

#### (9.2.7.1) Relevance

Select from:

☒ Not relevant

#### (9.2.7.5) Please explain

*We do not withdraw water from this source*

### Groundwater – renewable

#### (9.2.7.1) Relevance

Select from:

☒ Relevant

#### (9.2.7.2) Volume (megaliters/year)

119.95

#### (9.2.7.3) Comparison with previous reporting year

Select from:

☒ Higher

#### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☒ Mergers and acquisitions

#### (9.2.7.5) Please explain

*Acquisitions impacted our water withdrawals in FY23 due to an increase in the number of sites*

### Groundwater – non-renewable

#### (9.2.7.1) Relevance

Select from:

☒ Not relevant

#### (9.2.7.5) Please explain

*We do not withdraw water from this source*

### Produced/Entrained water

#### (9.2.7.1) Relevance

Select from:

☒ Not relevant

#### (9.2.7.5) Please explain

*We do not withdraw water from this source*

### Third party sources

#### (9.2.7.1) Relevance

Select from:

☒ Relevant

#### (9.2.7.2) Volume (megaliters/year)

445.29

#### (9.2.7.3) Comparison with previous reporting year

Select from:

☒ Lower

#### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

☒ Mergers and acquisitions

#### (9.2.7.5) Please explain

*Acquisitions impacted our water withdrawals in FY23 due to an increase in the number of sites*  
[Fixed row]

### (9.2.8) Provide total water discharge data by destination.

#### Fresh surface water

#### (9.2.8.1) Relevance

Select from:

☒ Relevant

#### (9.2.8.2) Volume (megaliters/year)

34.12



### (9.2.8.3) Comparison with previous reporting year

Select from:

☒ Higher

### (9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☒ Change in accounting methodology

### (9.2.8.5) Please explain

*Improvements in our accounting methodology have led to an increase in reported surface water discharge*

### Brackish surface water/seawater

### (9.2.8.1) Relevance

Select from:

☒ Not relevant

### (9.2.8.5) Please explain

*We do not discharge to this receptor*

### Groundwater

### (9.2.8.1) Relevance

Select from:

☒ Not relevant

### (9.2.8.5) Please explain

*We do not discharge water to this receptor*

## Third-party destinations

### (9.2.8.1) Relevance

Select from:

☒ Relevant

### (9.2.8.2) Volume (megaliters/year)

360.76

### (9.2.8.3) Comparison with previous reporting year

Select from:

☒ Lower

### (9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

☒ Change in accounting methodology

### (9.2.8.5) Please explain

*Combination of improvements in our accounting methodology have led to a decrease in reported third party destinations*

*[Fixed row]*

**(9.2.9) Within your direct operations, indicate the highest level(s) to which you treat your discharge.**

## Tertiary treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

☒ Not relevant

#### (9.2.9.6) Please explain

*We do not directly treat wastewater to this level on site, however municipal water treatment plants may treat water from our site to this level further in the process*

### Secondary treatment

#### (9.2.9.1) Relevance of treatment level to discharge

Select from:

☒ Relevant

#### (9.2.9.2) Volume (megaliters/year)

250.72

#### (9.2.9.3) Comparison of treated volume with previous reporting year

Select from:

☒ This is our first year of measurement

#### (9.2.9.4) Primary reason for comparison with previous reporting year

Select from:

☒ Change in accounting methodology

#### (9.2.9.5) % of your sites/facilities/operations this volume applies to

Select from:

☒ 21-30

#### (9.2.9.6) Please explain

*Manufacturing and R&D sites combine additional chemical and biological treatment of process water on site to complement primary treatment, where necessary, volumes vary by production levels. Sites work with local authorities and interested parties to ensure compliance in line with the legislative and good practice requirements for effluent and water discharge. This is built into our EHS water policy standards and also with our WPS teams.*

## Primary treatment only

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

☒ Relevant

### (9.2.9.2) Volume (megaliters/year)

46.48

### (9.2.9.3) Comparison of treated volume with previous reporting year

Select from:

☒ This is our first year of measurement

### (9.2.9.4) Primary reason for comparison with previous reporting year

Select from:

☒ Change in accounting methodology

### (9.2.9.5) % of your sites/facilities/operations this volume applies to

Select from:

☒ 1-10

### (9.2.9.6) Please explain

*Sites apply septic tank treatment, sedimentation and filters to remove suspended solids and floating material on site to production and auxiliary water in manufacturing, volumes vary by production levels. This primary treatment helps ensure compliance with internal and external water and effluent standards and compliance obligations.*

## Discharge to the natural environment without treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

☒ Not relevant

#### (9.2.9.6) Please explain

*We do not discharge water to the environment without treatment*

#### Discharge to a third party without treatment

#### (9.2.9.1) Relevance of treatment level to discharge

Select from:

☒ Relevant

#### (9.2.9.2) Volume (megaliters/year)

97.71

#### (9.2.9.3) Comparison of treated volume with previous reporting year

Select from:

☒ This is our first year of measurement

#### (9.2.9.4) Primary reason for comparison with previous reporting year

Select from:

☒ Change in accounting methodology

#### (9.2.9.5) % of your sites/facilities/operations this volume applies to

Select from:

☒ 61-70

#### (9.2.9.6) Please explain

*Domestic water is discharged to third party without pre treatment. This includes all non manufacturing sites and offices as well or wastewater collected and sent to a third party for further treatment prior to municipal treatment. This water would be treated at municipal water treatment works in line with their standards and compliance obligations*

## Other

### (9.2.9.1) Relevance of treatment level to discharge

*Select from:*

☒ Not relevant

### (9.2.9.6) Please explain

*This is not relevant to our operations*

*[Fixed row]*

## (9.2.10) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.

### (9.2.10.1) Emissions to water in the reporting year (metric tons)

0.12

### (9.2.10.2) Categories of substances included

*Select all that apply*

☒ Nitrates

☒ Phosphates

### (9.2.10.4) Please explain

*Elemental phosphorus and ammonical nitrogen are measured and monitored at one site in Lumentum due to its discharge and environmental requirements. These are the emissions we have provided for this answer and are estimated based on average parts per million and water discharge volumes. Outside contractors support*

Lumentum's measuring discharge for these substances, e.g. ammonia nitrogen, phosphates, pH, suspended solids, COD, BOD, oils. This data is currently not consolidated at the corporate level  
[Fixed row]

### **(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?**

#### **Direct operations**

##### **(9.3.1) Identification of facilities in the value chain stage**

Select from:

☒ Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

##### **(9.3.2) Total number of facilities identified**

1

##### **(9.3.3) % of facilities in direct operations that this represents**

Select from:

☒ 1-25

##### **(9.3.4) Please explain**

*We have identified one facility with water-related risks and opportunities relating to water stress risk.*

#### **Upstream value chain**

##### **(9.3.1) Identification of facilities in the value chain stage**

Select from:

☒ Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

### (9.3.2) Total number of facilities identified

1

### (9.3.4) Please explain

*We have identified one contract manufacturer with a higher water related risk due to flooding from climate vulnerability as part of our climate change mitigation work and the site is also located in a country with higher water stress risk. In the next reporting year, we will build contract manufacturers into our water risk assessment scoring as we develop our program.*

*[Fixed row]*

**(9.3.1) For each facility referenced in 9.3, provide coordinates, water accounting data, and a comparison with the previous reporting year.**

#### Row 1

### (9.3.1.1) Facility reference number

Select from:

☒ Facility 1

### (9.3.1.2) Facility name (optional)

*Navanakorn, Thailand*

### (9.3.1.3) Value chain stage

Select from:

☒ Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

☒ Dependencies



- ☒ Risks
- ☒ Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- ☒ Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- ☒ Chao Phraya

#### (9.3.1.8) Latitude

14.10478

#### (9.3.1.9) Longitude

100.60187

#### (9.3.1.10) Located in area with water stress

Select from:

- ☒ Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

235.65

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

- ☒ Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

235.65

**(9.3.1.21) Total water discharges at this facility (megaliters)**

62.56

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

☒ Lower

**(9.3.1.23) Discharges to fresh surface water**

0

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

173.09

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

☒ Higher

**(9.3.1.29) Please explain**

*We improved our data and accounting methodology in FY23*

*[Add row]*

**(9.3.2) For the facilities in your direct operations referenced in 9.3.1, what proportion of water accounting data has been third party verified?**

**Water withdrawals – total volumes**

**(9.3.2.1) % verified**

Select from:

☒ Not verified

### (9.3.2.3) Please explain

*We do not currently have our water accounting data verified by third parties.*

## Water withdrawals – volume by source

### (9.3.2.1) % verified

Select from:

☒ Not verified

### (9.3.2.3) Please explain

*We do not currently have our water accounting data verified by third parties.*

## Water withdrawals – quality by standard water quality parameters

### (9.3.2.1) % verified

Select from:

☒ Not verified

### (9.3.2.3) Please explain

*We do not currently have our water accounting data verified by third parties.*

## Water discharges – total volumes

### (9.3.2.1) % verified

Select from:

☒ Not verified

### (9.3.2.3) Please explain

*We do not currently have our water accounting data verified by third parties.*

## Water discharges – volume by destination

### (9.3.2.1) % verified

Select from:

☒ Not verified

### (9.3.2.3) Please explain

*We do not currently have our water accounting data verified by third parties.*

## Water discharges – volume by final treatment level

### (9.3.2.1) % verified

Select from:

☒ Not verified

### (9.3.2.3) Please explain

*We do not currently have our water accounting data verified by third parties.*

## Water discharges – quality by standard water quality parameters

### (9.3.2.1) % verified

Select from:

☒ Not verified

### (9.3.2.3) Please explain

We do not currently have our water accounting data verified by third parties.

Water consumption – total volume

(9.3.2.1) % verified

Select from:  
☒ Not verified

(9.3.2.3) Please explain

We do not currently have our water accounting data verified by third parties.  
[Fixed row]

(9.4) Could any of your facilities reported in 9.3.1 have an impact on a requesting CDP supply chain member?

Select from:  
☒ This is confidential

(9.5) Provide a figure for your organization’s total water withdrawal efficiency.

	Revenue (currency)	Total water withdrawal efficiency	Anticipated forward trend
	1767000000	2778083.48	We expect to improve our water withdrawal efficiency over time as our sustainability program continues to develop

[Fixed row]

(9.12) Provide any available water intensity values for your organization’s products or services.

Row 1

### (9.12.1) Product name

*All in-house manufacturing*

### (9.12.2) Water intensity value

*0.25*

### (9.12.3) Numerator: Water aspect

*Select from:*

☒ Water withdrawn

### (9.12.4) Denominator

*per square foot of manufacturing space*

### (9.12.5) Comment

*Water intensity is calculated in cubic meters of water withdrawn per square feet for all manufacturing areas.*

*[Add row]*

## (9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances
	<i>Select from:</i> <input checked="" type="checkbox"/> Yes

*[Fixed row]*

### (9.13.1) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?

#### Row 1

##### (9.13.1.1) Regulatory classification of hazardous substances

Select from:

☒ Other, please specify :IEC 62474

##### (9.13.1.2) % of revenue associated with products containing substances in this list

Select from:

☒ 41-60

##### (9.13.1.3) Please explain

*The IEC 62474 Declarable Substance List (DSL) is a list of regulated substances and substance groups that include REACH, Candidate List of Substances of Very High Concern for Authorisation above 0.1% by weight (EU Regulation), EU RoHS Directive and other regulations.*

[Add row]

### (9.14) Do you classify any of your current products and/or services as low water impact?

##### (9.14.1) Products and/or services classified as low water impact

Select from:

☒ No, and we do not plan to address this within the next two years

##### (9.14.3) Primary reason for not classifying any of your current products and/or services as low water impact

Select from:

☒ Important but not an immediate business priority



#### (9.14.4) Please explain

*Water consumption in our operations and value chain is important and is gradually gaining more attention. However, in the next 1-2 years it will not be part of immediate business priorities among which on environmental sustainability side are energy and climate impacts.*

*[Fixed row]*

#### (9.15) Do you have any water-related targets?

Select from:

☒ Yes

**(9.15.1) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.**

#### Water pollution

##### (9.15.1.1) Target set in this category

Select from:

☒ Yes

#### Water withdrawals

##### (9.15.1.1) Target set in this category

Select from:

☒ Yes

#### Water, Sanitation, and Hygiene (WASH) services

##### (9.15.1.1) Target set in this category

Select from:

☒ No, and we do not plan to within the next two years

#### (9.15.1.2) Please explain

*Our primary focus is reducing water usage and maximizing water reuse within our global corporate boundaries and so we have not set formal targets around this. Additionally, 100% sites are already equipped with WASH services and we do not plan to deviate from this in line with the RBA Code of Conduct.*

#### Other

#### (9.15.1.1) Target set in this category

Select from:

☒ No, and we do not plan to within the next two years

#### (9.15.1.2) Please explain

*Our primary focus is reducing water use and maximizing water reuse within our global corporate boundaries*  
[Fixed row]

### (9.15.2) Provide details of your water-related targets and the progress made.

#### Row 1

#### (9.15.2.1) Target reference number

Select from:

☒ Target 2

#### (9.15.2.2) Target coverage

Select from:

☒ Organization-wide (direct operations only)

#### (9.15.2.3) Category of target & Quantitative metric

## Water withdrawals

☒ Reduction in total water withdrawals

### (9.15.2.4) Date target was set

06/30/2023

### (9.15.2.5) End date of base year

06/30/2023

### (9.15.2.6) Base year figure

636

### (9.15.2.7) End date of target year

07/03/2026

### (9.15.2.8) Target year figure

604.2

### (9.15.2.9) Reporting year figure

636

### (9.15.2.10) Target status in reporting year

Select from:

☒ Underway

### (9.15.2.11) % of target achieved relative to base year

0

### (9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

☒ None, alignment not assessed

### (9.15.2.13) Explain target coverage and identify any exclusions

*This target includes all facilities within our scope and water accounting footprint*

### (9.15.2.14) Plan for achieving target, and progress made to the end of the reporting year

*Our manufacturing sites have set or are in the process of setting site-based targets and water withdrawal reduction programmes according to their water usage and any water-related risks or opportunities. Several sites have installed improvements in reducing domestic water such as changing faucets and flushes and some capital investments have also taken place. In FY23, one manufacturing site in China saw a YOY improvement in water withdrawals of 8%.*

### (9.15.2.16) Further details of target

*This target includes all facilities within our scope and water accounting footprint*

## Row 2

### (9.15.2.1) Target reference number

Select from:

☒ Target 1

### (9.15.2.2) Target coverage

Select from:

☒ Organization-wide (direct operations only)

### (9.15.2.3) Category of target & Quantitative metric

#### Water withdrawals

☒ Reduction in total water withdrawals

**(9.15.2.4) Date target was set**

07/02/2021

**(9.15.2.5) End date of base year**

07/02/2021

**(9.15.2.6) Base year figure**

508.0

**(9.15.2.7) End date of target year**

06/30/2023

**(9.15.2.8) Target year figure**

482.0

**(9.15.2.9) Reporting year figure**

636

**(9.15.2.10) Target status in reporting year**

Select from:

☒ Expired

**(9.15.2.11) % of target achieved relative to base year**

-492

**(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target**

Select all that apply

☒ None, alignment not assessed

### (9.15.2.13) Explain target coverage and identify any exclusions

*This target includes all facilities within our scope and water accounting footprint*

### (9.15.2.16) Further details of target

*Due to acquisitions, we did not meet our FY23 goal which was based on absolute water withdrawals. We have, however, set a new goal for FY26 of a 5% absolute reduction and are working to attain this target with our sites*

## Row 3

### (9.15.2.1) Target reference number

Select from:

☒ Target 3

### (9.15.2.2) Target coverage

Select from:

☒ Organization-wide (direct operations only)

### (9.15.2.3) Category of target & Quantitative metric

#### Water pollution

☒ Other water pollution, please specify :Zero environmental releases

### (9.15.2.4) Date target was set

07/01/2022

### (9.15.2.5) End date of base year

07/01/2022

**(9.15.2.6) Base year figure**

0

**(9.15.2.7) End date of target year**

06/30/2023

**(9.15.2.8) Target year figure**

0

**(9.15.2.9) Reporting year figure**

0

**(9.15.2.10) Target status in reporting year**

Select from:

☒ Achieved and maintained

**(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target**

Select all that apply

☒ None, alignment not assessed

**(9.15.2.13) Explain target coverage and identify any exclusions**

*While our public targets currently focus on water usage, our EHS team maintains site-specific internal goals at manufacturing locations, tracking “zero environmental releases” as part of their environmental management systems. While it is not a public target, we annually report on the number of reportable/recordable spillages across Lumentum in line with SASB reporting.*

**(9.15.2.15) Actions which contributed most to achieving or maintaining this target**

Continued maintenance of our environmental management systems and work with EHS and WPS to maintain adherence to water related regulations

**(9.15.2.16) Further details of target**

*This is a continuous rolling target by the EHS team*  
*[Add row]*



C10. Environmental performance - Plastics

(10.1) Do you have plastics-related targets, and if so what type?

	Targets in place
	Select from: <input checked="" type="checkbox"/> No, and we do not plan to within the next two years

[Fixed row]

## C11. Environmental performance - Biodiversity

### (11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Actions taken in the reporting period to progress your biodiversity-related commitments
	Select from: <input checked="" type="checkbox"/> No, we are not taking any actions to progress our biodiversity-related commitments, but we plan to within the next two years

[Fixed row]

### (11.3) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?
	Select from: <input checked="" type="checkbox"/> No, we do not use indicators, but plan to within the next two years

[Fixed row]

### (11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year?

	Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity	Comment
Legally protected areas	Select from: <input checked="" type="checkbox"/> No	<i>Lumentum is still developing its strategy on biodiversity.</i>
UNESCO World Heritage sites	Select from: <input checked="" type="checkbox"/> No	<i>Lumentum is still developing its strategy on biodiversity.</i>
UNESCO Man and the Biosphere Reserves	Select from: <input checked="" type="checkbox"/> No	<i>Lumentum is still developing its strategy on biodiversity.</i>
Ramsar sites	Select from: <input checked="" type="checkbox"/> No	<i>Lumentum is still developing its strategy on biodiversity.</i>
Key Biodiversity Areas	Select from: <input checked="" type="checkbox"/> No	<i>Lumentum is still developing its strategy on biodiversity.</i>
Other areas important for biodiversity	Select from: <input checked="" type="checkbox"/> No	<i>Lumentum is still developing its strategy on biodiversity.</i>

[Fixed row]

C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

Row 1

(13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

☒ Climate change

(13.1.1.2) Disclosure module and data verified and/or assured

Introduction

☒ All data points in module 1

(13.1.1.3) Verification/assurance standard

Climate change-related standards

☒ ISO 14064-3

(13.1.1.4) Further details of the third-party verification/assurance process

Scope 1, 2, 3 has undergone limited assurance

(13.1.1.5) Attach verification/assurance evidence/report (optional)

10003181 GHG 2024-09-23 Page 1.pdf  
[Add row]

(13.2) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

	Additional information
	None

[Fixed row]

(13.3) Provide the following information for the person that has signed off (approved) your CDP response.

(13.3.1) Job title

Director, Product Compliance & Corporate Social Responsibility

(13.3.2) Corresponding job category

Select from:

☒ Environment/Sustainability manager

[Fixed row]

**(13.4) Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.**

Select from:

☒ No

