LUMENTUM - Climate Change 2022

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

Lumentum is a market-leading manufacturer of innovative optical and photonic products enabling optical networking for commercial laser customers worldwide. Lumentum's optical components and subsystems are part of virtually every type of telecom, enterprise, and data center network. Lumentum's commercial lasers enable advanced manufacturing techniques and diverse applications including next-generation 3D sensing capabilities. Lumentum is headquartered in San Jose, California with R&D, manufacturing, and sales offices worldwide.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	July 1 2020	June 30 2021	No	<Not Applicable>

C0.3

(C0.3) Select the countries/areas in which you operate.

Canada
China
Italy
Japan
Republic of Korea
Slovenia
Switzerland
Taiwan, China
Thailand
United Kingdom of Great Britain and Northern Ireland
United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Operational control

C0.8

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, a Ticker symbol	LITE

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	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 CSR Council recommendation the implementation of a net-zero target (scope 1 & 2) by 2030 for our business operations.
Director on board	Lumentum's Board nominated a Board Member as a CSR Liaison who participates in regular meetings of the CSR Council. The CSR Council develops corporate social responsibility strategy and drives performance within Lumentum, including our energy and emissions strategy and targets. The CSR Council activities are reported to the board on a quarterly basis.

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – all meetings	Reviewing and guiding strategy	<Not Applicable>	The Board of Directors nominates a CSR Liaison to work closely with the CSR Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the CSR Council. The CSR Council activities and ESG progress are reviewed quarterly during regular board sessions.

C1.1d

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

	Board member(s) have competence on climate-related issues	Criteria used to assess competence of board member(s) on climate-related issues	Primary reason for no board-level competence on climate-related issues	Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future
Row 1	No, but we plan to address this within the next two years	<Not Applicable>	Important but not an immediate priority	One board member has undertaken individual training through the TCFD Knowledge Hub. We plan to pursue more options to increase board competence on climate-related issues. These include leveraging insights and experience from serving on boards of other public companies, customized training opportunities and publicly available training, such as increasing the number of board members completing modules in the TCFD Knowledge Hub.

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Other C-Suite Officer, please specify (SVP Global Operations and Chief Quality Officer)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Quarterly
Corporate responsibility committee	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	Quarterly

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

Led by the CSR Council Chair and the Executive Sponsor (our Chief Quality Officer), our cross-functional CSR Council is composed of representatives from all business departments, including Human Resources; Environment, Health, and Safety (EHS); Supply Chain; Legal; and Quality, as well as leaders from each business unit. 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 CSR at Lumentum to their team.

CSR Council activities are reported to the CEO and Board of Directors on a quarterly basis. The Governance Committee is responsible for oversight consistent of the policies and programs supporting our CSR strategy. The Board of Directors also nominates a CSR Liaison who works closely with the CSR Council to guide efforts and provide a continuous feedback loop between recommendations of the Board of Directors and implementation by the CSR Council.

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	Specific employees are evaluated based upon climate-related performance.

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive	Type of incentive	Activity incentivized	Comment
Corporate executive team	Monetary reward	Emissions reduction target	Performance stock units 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.
Facilities manager	Monetary reward	Energy reduction target	Our Real Estate and Workplace Services team, and its leadership, are responsible for the attainment of our goal to reduce energy consumption from all global R&D facilities by 5% by 2023. This includes annual interim goals set forth through our strategic planning process. Performance against these targets is evaluated as part of the team's performance review.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	5	
Medium-term	5	10	
Long-term	10	20	

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Lumentum defines a substantive financial or strategic impact as one that makes it significantly onerous or impossible to conduct our regular business activities such as increased costs or time requirements to procure, manufacture and ship products. 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.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered
Direct operations
Upstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Short-term
Medium-term

Description of process
Lumentum leverages several tools to evaluate the climate-related risks and opportunities of its value chain. Our annual enterprise risk management assessment includes climate related risks in our risk inventory, such as physical risks associated with natural disasters. Upstream: 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. 100% of our contract manufacturers (CMs) are ISO 14001 certified. As part of the certification, CMs must maintain and perform environmental risk assessments which include climate-related risk identification, development of climate mitigation actions to reduce emission of greenhouse gasses and development of climate change adaptation actions. 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. Finally, Supply Risk Solutions (SRS) is a third-party cloud-based software that helps us to monitor and assess physical risks and supply chain disruptions. Predictive technology enables us to identify the likelihood of future events through machine learning, global trends, and statistical associations. These analytics can ensure business continuity by identifying a climate related extreme event or natural hazard. 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. One example is in 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. Direct operations: 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. This includes company-level business continuity planning (BCP) policy documentation that is to be updated annually through leadership team reviews. BCPs are a set of standards and guidelines Lumentum enforces to ensure resilience and proper risk management regarding any physical climate risks. To inform the identification of these risks, each site conducts a Failure Modes and Effects Analysis (FMEA) risk assessment to proactively identify and analyze risks (e.g. flood, fire), which helps teams to measure the impact and document mitigation actions. For those physical climate risks, EHS and WPS (Workplace Solutions) teams develop emergency response plans and conduct annual mock drills at each facility. Additionally, 100% of our manufacturing sites complete an annual RBA Self-Assessment Questionnaire (SAQ) and over 50% of our manufacturing facilities are ISO 14001 certified and require the performance of environmental risk assessments as stated above. As a member of the RBA, our manufacturing facilities are audited against RBA's validated audit process (VAP).

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	Lumentum is subject to climate-related regulation; some of our manufacturing processes include the use of proprietary chemicals which are subject to emissions controls and reporting. Lumentum's facility, engineering, EHS and compliance teams maintain our compliance with all applicable regulations.
Emerging regulation	Relevant, always included	Emerging emissions or climate-related regulation is a potential risk. As noted above, some of Lumentum's manufacturing processes involve systems or chemicals that are subject to emissions-related regulation. New regulations or changes to existing regulations may necessitate modifications to our manufacturing processes.
Technology	Relevant, always included	Lumentum continuously looks for methods to reduce the carbon impact of our business and products. The lack of viable technological improvements or our adoption of new technologies that do not prevail in the market could create an undue burden on the business.
Legal	Relevant, sometimes included	Litigation claims arising from non-compliance of climate-related regulations are a risk. Non-compliance of emissions abatement, emissions reporting or energy requirements of products could result in litigation claims with a financial penalty or requirement to change company practices. Lumentum does not anticipate involvement in any climate-related litigation claims.
Market	Relevant, always included	Shifts in demand for product is a climate-related risk for Lumentum. Our products may consume significant amounts of energy over their lifetime. To maintain demand, we recognize we must continue to innovate to increase the energy efficiency of our products.
Reputation	Relevant, always included	Lumentum recognizes that the perceptions of our clients regarding our commitment to the reduction of climate change can significantly affect our success. Therefore, we attempt to respond to and address all requests from our customers and key stakeholders.
Acute physical	Relevant, always included	Lumentum's global operations and supply chain exposes it to risks related to extreme weather events. Disruptions in our value chain due to extreme weather may make it difficult or impossible to procure materials, manufacture goods, or distribute finished products in a timely manner. The logistics of getting products from point A to point B and the requirements to manufacture products (facilities, energy, and labor) could be impacted by extreme weather.
Chronic physical	Relevant, sometimes included	We are aware that longer term shifts in climate patterns, such as chronic heat waves, could affect our operations to some degree. However, as our operations are conducted entirely indoors, we consider many of these risks to be minimal, or manageable. We continue to evaluate our operations for susceptibility to other potential chronic risks.

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Risk 1

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Carbon pricing mechanisms

Primary potential financial impact
Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Our manufacturing processes include the use of proprietary chemicals that are subject to emissions controls and reporting. In addition, our R&D and manufacturing operations require large 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 carbon pricing mechanisms are likely to be introduced and/or tightened.

Time horizon
Medium-term

Likelihood
Likely

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
13125000

Potential financial impact figure – maximum (currency)
50000000

Explanation of financial impact figure
Figures are estimated based on a $50/MT to $100/MT price on carbon based on our FY20 emissions assuming our emissions increase to 100,000 MT/year. This figure covers a 5-year period, assuming a carbon price in 2025 and our work towards our net zero target by 2030 continues.

Cost of response to risk
12070000

Description of response and explanation of cost calculation
We are investigating opportunities to source or generate renewable energy across our operating footprint. For example, we've assessed installing a solar array on our Thailand factory, which would help to mitigate our exposure to increased electricity prices. In addition, we've engaged local utility providers to understand opportunities to procure renewable energy, even at a higher cost. We've tasked our facility managers with pursuing energy efficiency opportunities across our operations; this cost is built into existing budgets. 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.

Comment

Identifier
Risk 2

Where in the value chain does the risk driver occur?
Upstream

Risk type & Primary climate-related risk driver

Acute physical	Cyclone, hurricane, typhoon

Primary potential financial impact
Increased indirect (operating) costs

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
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.

Time horizon
Short-term

Likelihood
About as likely as not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
8714000

Potential financial impact figure – maximum (currency)
26142000

Explanation of financial impact 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.

Cost of response to risk
113975000

Description of response and explanation of cost calculation
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. 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.

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Opp1

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Products and services

Primary climate-related opportunity driver
Development and/or expansion of low emission goods and services

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-specific description
Lumentum's advances in its products and technologies are helping to increase power efficiency. If the demand for our products increase, 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 400 Gigabits per second, and from the Generation 1 (Gen1) to Generation 2 (Gen2) modules. We achieved a power efficiency improvement from Gen1 to Gen2 of 64% (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.

Time horizon
Medium-term

Likelihood
Likely

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
87140000

Potential financial impact figure – maximum (currency)
435700000

Explanation of financial impact figure
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.

Cost to realize opportunity
107250000

Strategy to realize opportunity and explanation of cost calculation
Our R&D teams are essential to driving energy efficiency in our products, and efficiency is a key design element when introducing new concepts. Increased capacity in our R&D and development units will increase our ability to create products that meet the demands for tomorrow's products and investigate ways to integrate our technologies into new markets. An annual increase of 10% to our R&D budget over the next 5 years would result in a cumulative cost of approximately $100,000,000 during that period.

Comment

Identifier
Opp2

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Products and services

Primary climate-related opportunity driver
Development of new products or services through R&D and innovation

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-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, ultrafast lasers, and source 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.

Time horizon
Long-term

Likelihood
Unlikely

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
Yes, an estimated range

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
217850000

Potential financial impact figure – maximum (currency)
435700000

Explanation of financial impact figure
Figures are estimated assuming a 2.5% - 5% increase in annual revenue due to breakthroughs in new markets over a 5-year period.

Cost to realize opportunity
409000000

Strategy to realize opportunity and explanation of cost calculation
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. 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.

Comment

C3. Business Strategy

C3.1

(C3.1) Does your organization's strategy include a transition plan that aligns with a 1.5°C world?

Row 1

Transition plan

No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a transition plan within two years

Publicly available transition plan

<Not Applicable>

Mechanism by which feedback is collected from shareholders on your transition plan

<Not Applicable>

Description of feedback mechanism

<Not Applicable>

Frequency of feedback collection

<Not Applicable>

Attach any relevant documents which detail your transition plan (optional)

<Not Applicable>

Explain why your organization does not have a transition plan that aligns with a 1.5°C world and any plans to develop one in the future

We have set our net zero (scope 1 & 2) by 2030 ambition and plan to develop a science-based target to reinforce our commitment. As part of this effort, we expect to develop a more comprehensive greenhouse gas inventory, including scope 3 emissions. Once the baseline is complete, we can more effectively identify "hot spots" in our inventory to prioritize for abatement and/or mitigation. While not a formal transition plan, we are pursuing low-hanging fruit activities, such as procuring renewable energy to minimize our footprint.

Explain why climate-related risks and opportunities have not influenced your strategy

<Not Applicable>

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

	Use of climate-related scenario analysis to inform strategy	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	No, but we anticipate using qualitative and/or quantitative analysis in the next two years	Important but not an immediate priority	We do not anticipate any significant near-term impacts that we could reasonably integrate into our enterprise strategy that scenario analysis would identify, beyond the current mechanisms we employ. Lumentum will submit targets for validation to SBT in the next 2 years. In developing these targets, Lumentum will assess the required GHG reductions across its operations to align with to the 1.5 degrees scenario. This takes into account the current GHG inventory, geographical locations, and potential investments in onsite generation infrastructure and contractual agreements and what GHG reductions are required to meet a 1.5 degree scenario.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	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.
Supply chain and/or value chain	Yes	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	Yes	Lumentum invests significant resources into R&D and the design process to ensure that products are innovative and as energy efficient as possible, 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	Evaluation in progress	We have started an activity with intent to complete in FY22 to evaluate our internal manufacturing operations for opportunities to reduce risk.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs	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.

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Absolute target
Intensity target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number
Abs 1

Year target was set
2019

Target coverage
Company-wide

Scope(s)
Scope 1
Scope 2

Scope 2 accounting method
Market-based

Scope 3 category(ies)
<Not Applicable>

Base year
2019

Base year Scope 1 emissions covered by target (metric tons CO2e)
5502

Base year Scope 2 emissions covered by target (metric tons CO2e)
42524

Base year Scope 3 emissions covered by target (metric tons CO2e)
<Not Applicable>

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
48025

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1
100

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2
100

Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)
<Not Applicable>

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes
100

Target year
2030

Targeted reduction from base year (%)
100

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]
0

Scope 1 emissions in reporting year covered by target (metric tons CO2e)
7857

Scope 2 emissions in reporting year covered by target (metric tons CO2e)
43810

Scope 3 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)
51668

% of target achieved relative to base year [auto-calculated]
-7.58563248308173

Target status in reporting year
Underway

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain target coverage and identify any exclusions
Target is to achieve net zero scope 1 and 2 emissions by 2030.

Plan for achieving target, and progress made to the end of the reporting year
Plans to achieve the target include 1) transitioning to renewable energy sources, 2) on-site energy generation, and 3) energy efficiency activities. Emissions increased relative to our target due to increased business output, however, we expect progress in the next fiscal year from renewable energy contracts with utility suppliers coming online.

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

Target reference number
Abs 2

Year target was set
2019

Target coverage
Company-wide

Scope(s)
Scope 3

Scope 2 accounting method
<Not Applicable>

Scope 3 category(ies)
Category 6: Business travel

Base year
2019

Base year Scope 1 emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 2 emissions covered by target (metric tons CO2e)
<Not Applicable>

Base year Scope 3 emissions covered by target (metric tons CO2e)
2988

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
2988

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1
<Not Applicable>

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2
<Not Applicable>

Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)
4

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes
4

Target year
2025

Targeted reduction from base year (%)
74

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]
776.88

Scope 1 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Scope 2 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Scope 3 emissions in reporting year covered by target (metric tons CO2e)
0

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)
0

% of target achieved relative to base year [auto-calculated]
135.135135135135

Target status in reporting year
Underway

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain target coverage and identify any exclusions
Target to reduce emissions from business air travel by 20% annually.

Plan for achieving target, and progress made to the end of the reporting year
Due to COVID-19 travel restrictions, Lumentum had zero business air travel emissions in 2021. We expect business travel to resume in 2022 and therefore still consider this target "underway." We plan to assess business air travel needs as travel resumes and leverage learnings from COVID-19 restrictions to identify opportunities to conduct activities traditionally held in-person to remote or virtual models.

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

C4.1b

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

Target reference number
Int 1

Year target was set
2021

Target coverage
Company-wide

Scope(s)
Scope 1
Scope 2
Scope 3

Scope 2 accounting method
Market-based

Scope 3 category(ies)
Category 1: Purchased goods and services

Intensity metric
Metric tons CO2e per unit revenue

Base year
2021

Intensity figure in base year for Scope 1 (metric tons CO2e per unit of activity)
0.00000451

Intensity figure in base year for Scope 2 (metric tons CO2e per unit of activity)
0.00002514

Intensity figure in base year for Scope 3 (metric tons CO2e per unit of activity)
0.00001793

Intensity figure in base year for all selected Scopes (metric tons CO2e per unit of activity)
0.00004758

% of total base year emissions in Scope 1 covered by this Scope 1 intensity figure
100

% of total base year emissions in Scope 2 covered by this Scope 2 intensity figure
100

% of total base year emissions in Scope 3 (in all Scope 3 categories) covered by this Scope 3 intensity figure
72

% of total base year emissions in all selected Scopes covered by this intensity figure
87.5

Target year
2024

Targeted reduction from base year (%)
25

Intensity figure in target year for all selected Scopes (metric tons CO2e per unit of activity) [auto-calculated]
0.000035685

% change anticipated in absolute Scope 1+2 emissions
25

% change anticipated in absolute Scope 3 emissions
25

Intensity figure in reporting year for Scope 1 (metric tons CO2e per unit of activity)
0.00000451

Intensity figure in reporting year for Scope 2 (metric tons CO2e per unit of activity)
0.00002514

Intensity figure in reporting year for Scope 3 (metric tons CO2e per unit of activity)
0.00001793

Intensity figure in reporting year for all selected Scopes (metric tons CO2e per unit of activity)
0.00004758

% of target achieved relative to base year [auto-calculated]
0

Target status in reporting year
New

Is this a science-based target?
No, but we anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please 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 category 1 emissions from contract manufacturers only.

Plan for achieving target, and progress made to the end of the reporting year
Target was set in 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.

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Target(s) to increase low-carbon energy consumption or production
Other climate-related target(s)

C4.2a

(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number
Low 1

Year target was set
2019

Target coverage
Site/facility

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Renewable energy source(s) only

Base year
2019

Consumption or production of selected energy carrier in base year (MWh)
2

% share of low-carbon or renewable energy in base year
0

Target year
2023

% share of low-carbon or renewable energy in target year
100

% share of low-carbon or renewable energy in reporting year
50

% of target achieved relative to base year [auto-calculated]
50

Target status in reporting year
Underway

Is this target part of an emissions target?
Target is part of Abs1, achieving net zero scope 1 and 2 emissions by 2030.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
Target set to source 100% renewable electricity at our corporate headquarters campus by FY23.

Plan for achieving target, and progress made to the end of the reporting year
The plan to achieve the target is through procurement of renewable energy options with our local utility supplier. This contract was signed midway through the reporting year. We expect to achieve this target in FY22.

List the actions which contributed most to achieving this target
<Not Applicable>

Target reference number
Low 2

Year target was set
2021

Target coverage
Company-wide

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Renewable energy source(s) only

Base year
2021

Consumption or production of selected energy carrier in base year (MWh)
113288

% share of low-carbon or renewable energy in base year
1.1

Target year
2022

% share of low-carbon or renewable energy in target year
25

% share of low-carbon or renewable energy in reporting year
1.1

% of target achieved relative to base year [auto-calculated]
0

Target status in reporting year
New

Is this target part of an emissions target?
Target is part of Abs1, achieving net zero scope 1 and 2 emissions by 2030.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
Target set to source 25% of global electricity from renewable sources by FY22.

Plan for achieving target, and progress made to the end of the reporting year
The plan to achieve the target is through procurement of renewable energy options with our local utility suppliers and the acquisition of verified renewable energy credits. The target was set in the reporting year and discussions with energy suppliers has begun.

List the actions which contributed most to achieving this target
<Not Applicable>

C4.2b

(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.

Target reference number
Oth 1

Year target was set
2019

Target coverage
Business activity

Target type: absolute or intensity
Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Energy consumption or efficiency	MWh

Target denominator (intensity targets only)
<Not Applicable>

Base year
2019

Figure or percentage in base year
14730

Target year
2023

Figure or percentage in target year
13993

Figure or percentage in reporting year
12857

% of target achieved relative to base year [auto-calculated]
254.138398914518

Target status in reporting year
Achieved

Is this target part of an emissions target?
Target is part of Abs1, achieving net zero scope 1 and 2 emissions by 2030.

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
Target set to reduce energy consumption at global research and development office sites by 5% by 2023. Increases in the reporting year are due to the expansion of new facilities.

Plan for achieving target, and progress made to the end of the reporting year
<Not Applicable>

List the actions which contributed most to achieving this target
Decreases are due to reorganization and closure of some sites. In addition, inefficient lighting was replaced by energy efficient lighting and time of use of lighting has been adjusted. These initiatives are now being extended to a number of other Lumentum sites.

C4.3

(C4.3) 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.
Yes

C4.3a

(C4.3a) 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	5	1111
To be implemented*	1	45
Implementation commenced*	1	33
Implemented*	3	303
Not to be implemented	0	0

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)
40

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
11580

Investment required (unit currency – as specified in C0.4)
25000

Payback period
1-3 years

Estimated lifetime of the initiative
6-10 years

Comment
Inefficient lighting was replaced by energy efficient lighting. This initiative has now been extended to a number of other Lumentum sites.

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)
3

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (location-based)
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
965

Investment required (unit currency – as specified in C0.4)
0

Payback period
<1 year

Estimated lifetime of the initiative
6-10 years

Comment
The time of use of lighting was manually adjusted with no investment. This initiative has now been extended to a number of other Lumentum sites.

Initiative category & Initiative type

Low-carbon energy consumption	Low-carbon electricity mix

Estimated annual CO2e savings (metric tonnes CO2e)
268

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)
0

Investment required (unit currency – as specified in C0.4)
9986

Payback period
No payback

Estimated lifetime of the initiative
3-5 years

Comment
Lumentum entered into a green energy contract for its corporate headquarters. This is planned to be extended to other facilities.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Compliance with regulatory requirements/standards	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.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?
Yes

C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products.

Level of aggregation
Product or service

Taxonomy used to classify product(s) or service(s) as low-carbon
No taxonomy used to classify product(s) or service(s) as low carbon

Type of product(s) or service(s)

Other	Other, please specify (Product energy efficiency)

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.

Have you estimated the avoided emissions of this low-carbon product(s) or service(s)
No

Methodology used to calculate avoided emissions
<Not Applicable>

Life cycle stage(s) covered for the low-carbon product(s) or services(s)
<Not Applicable>

Functional unit used
<Not Applicable>

Reference product/service or baseline scenario used
<Not Applicable>

Life cycle stage(s) covered for the reference product/service or baseline scenario
<Not Applicable>

Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario
<Not Applicable>

Explain your calculation of avoided emissions, including any assumptions
<Not Applicable>

Revenue generated from low-carbon product(s) or service(s) as % of total revenue in the reporting year

C5. Emissions methodology

C5.1

(C5.1) Is this your first year of reporting emissions data to CDP?
No

C5.1a

(C5.1a) 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?

Row 1

Has there been a structural change?
No

Name of organization(s) acquired, divested from, or merged with
<Not Applicable>

Details of structural change(s), including completion dates
<Not Applicable>

C5.1b

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)
Row 1	No	<Not Applicable>

C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start
July 1 2017

Base year end
June 30 2018

Base year emissions (metric tons CO2e)
8540

Comment

Scope 2 (location-based)

Base year start
July 1 2017

Base year end
June 30 2018

Base year emissions (metric tons CO2e)
33358

Comment

Scope 2 (market-based)

Base year start
July 1 2017

Base year end
June 30 2018

Base year emissions (metric tons CO2e)
38446

Comment

Scope 3 category 1: Purchased goods and services

Base year start
July 1 2018

Base year end
June 30 2019

Base year emissions (metric tons CO2e)
60528

Comment
Emissions from Lumentum contract manufacturers.

Scope 3 category 2: Capital goods

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

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

Base year start
July 1 2018

Base year end
June 30 2019

Base year emissions (metric tons CO2e)
11782

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 5: Waste generated in operations

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 6: Business travel

Base year start
July 1 2018

Base year end
June 30 2019

Base year emissions (metric tons CO2e)
2988

Comment

Scope 3 category 7: Employee commuting

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 11: Use of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

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

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 14: Franchises

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.3

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Defra Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance, 2019
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance
US EPA Emissions & Generation Resource Integrated Database (eGRID)

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
7857

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
44047

Scope 2, market-based (if applicable)
43810

Start date
<Not Applicable>

End date
<Not Applicable>

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?
No

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
31249

Emissions calculation methodology
Supplier-specific method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
Emissions data was provided by Lumentum's contract manufacturers. Contract manufacturers were asked to allocate emissions associated with the manufacture of Lumentum products. All of Lumentum's contract manufacturers provided emissions allocated to the manufacture of Lumentum products but not all contract manufacturers allocated all of Scope 1,2,3 emissions and this will be improved in future years and we may use the CDP Supply Chain disclosure process for this.

Capital goods

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
We anticipate that this will be included in future years reporting in 2-3 years.

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

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
11868

Emissions calculation methodology
Average data method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

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

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
We anticipate that this will be included in future years reporting in 2-3 years.

Waste generated in operations

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
This category is not expected to be a significant contributor to our total scope 3 emissions and will be validated in future years.

Business travel

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
0

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
100

Please explain
No business travel took place during the reporting period due to COVID-19 travel restrictions.

Employee commuting

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
This category is not expected to be a significant contributor to our total scope 3 emissions and will be validated in future years.

Upstream leased assets

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
All leased facilities are included in Scope 1 & 2.

Downstream transportation and distribution

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
We anticipate that this will be included in future years reporting in 2-3 years.

Processing of sold products

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
This category is not expected to be a significant contributor to our total scope 3 emissions and will be validated in future years.

Use of sold products

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
We anticipate that this will be included in future years reporting in 2-3 years.

End of life treatment of sold products

Evaluation status
Relevant, not yet calculated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
We anticipate that this will be included in future years reporting in 2-3 years.

Downstream leased assets

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Lumentum does not have any downstream leased assets.

Franchises

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Lumentum does not operate franchises.

Investments

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Lumentum does not have relevant investments.

Other (upstream)

Evaluation status
Please select

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Other (downstream)

Evaluation status
Please select

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
No

C6.10

(C6.10) 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.

Intensity figure
0.0000296

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
51668

Metric denominator
unit total revenue

Metric denominator: Unit total
1742800000

Scope 2 figure used
Market-based

% change from previous year
2

Direction of change
Decreased

Reason for change
The decrease in emissions intensity is due to the consolidation of global facilities, increase in renewable energy procurement from utilities (C4.3b item 3) and increased revenues.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?
Yes

C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	6418	IPCC Fifth Assessment Report (AR5 – 100 year)
CH4	3	IPCC Fifth Assessment Report (AR5 – 100 year)
N2O	3	IPCC Fifth Assessment Report (AR5 – 100 year)
HFCs	511	IPCC Fifth Assessment Report (AR5 – 100 year)
PFCs	793	IPCC Fifth Assessment Report (AR5 – 100 year)
SF6	129	IPCC Fifth Assessment Report (AR5 – 100 year)

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
United States of America	4591
Canada	278
Italy	4
Switzerland	6
Slovenia	7
United Kingdom of Great Britain and Northern Ireland	598
China	43
Japan	2235
Taiwan, China	6
Thailand	90

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

By facility

C7.3b

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
Caswell, UK	594	52.15473	-1.04839
Futian, China	28	22.54273	114.08543
Milan, Italy	4	45.60208	9.36132
Nanshan, China	14	22.56005	113.95217
Navanakorn, Thailand	90	14.10478	100.60187
Ottawa, Canada	278	45.29633	-75.71057
Paignton, UK	5	50.4144	-3.59056
Sagamihara, Japan	2233	35.58318	139.37551
Škofljica, Slovenia	6	45.98273	14.57052
Taipei, Taiwan	6	25.0133	121.4676
Tokyo, Japan	1	35.69407	139.68789
San Jose - Ridder 1, USA	49	37.38363	-121.90179
San Jose - Ridder 2, USA	37	37.38331	-121.90274
San Jose - Ridder 3, USA	17	37.38436	-121.90308
San Jose - Rose Orchard, USA	2291	37.41431	-121.947988
San Jose - Automation, USA	2074	37.39324	-121.88524
San Jose - Automation 2, USA	125	37.39406	-121.88652
Zurich, Switzerland	6	47.40058	8.45059

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
United States of America	5202	3781
Canada	126	126
Italy	102	123
Switzerland	16	10
Slovenia	247	153
United Kingdom of Great Britain and Northern Ireland	3277	4541
China	9619	9619
Japan	5903	5903
Republic of Korea	23	23
Taiwan, China	180	180
Thailand	19353	19353

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By facility

C7.6b

(C7.6b) Break down your total gross global Scope 2 emissions by business facility.

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Caswell, UK	3150	4365
Futian, China	9041	9041
Milan, Italy	102	123
Nanshan, China	577	577
Navanakorn, Thailand	19353	19353
Ottawa, Canada	126	126
Paignton, UK	127	176
Sagamihara, Japan	5890	5890
Seongnam, Korea	23	23
Škofljica, Slovenia	247	153
Taipei, Taiwan	180	180
Tokyo, Japan	12	12
San Jose - Ridder 1, USA	268	138
San Jose - Ridder 2, USA	413	418
San Jose - Ridder 3, USA	7	7
San Jose - Rose Orchard, USA	2071	2099
San Jose - Automation, USA	2063	944
San Jose - Automation 2, USA	380	174
Zurich, Switzerland	17	10

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Increased

C7.9a

(C7.9a) 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 emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	328	Decreased	0.6	Renewable electricity was procured at the corporate headquarters, Slovenia and Italy. For 6 months of the year, the 3 sites utilized 100% renewable electricity.
Other emissions reduction activities		<Not Applicable>		
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output	890	Increased	2.1	Increase in production.
Change in methodology	2144	Increased	4.2	One facility's natural gas consumption was not included in FY20 resulting in an increase in reported S1 emissions.
Change in boundary	546	Increased	1.1	One facility's process emissions were not included in FY20 resulting in an increase in reported S1 emissions.
Change in physical operating conditions	2215	Decreased	4.4	Consolidation of global facilities.
Unidentified		<Not Applicable>		
Other		<Not Applicable>		

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Market-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

More than 0% but less than or equal to 5%

C8.2

(C8.2) 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)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	No

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	Unable to confirm heating value	0	35442	35442
Consumption of purchased or acquired electricity	<Not Applicable>	1235	112053	113288
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>	1235	147495	148730

C8.2b

(C8.2b) 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	No
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

Heating value
Please select

Total fuel MWh consumed by the organization
0

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other biomass

Heating value
Please select

Total fuel MWh consumed by the organization
0

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other renewable fuels (e.g. renewable hydrogen)

Heating value
Please select

Total fuel MWh consumed by the organization
0

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Coal

Heating value
Please select

Total fuel MWh consumed by the organization
0

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Oil

Heating value
Please select

Total fuel MWh consumed by the organization
0

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Gas

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization
35431

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other non-renewable fuels (e.g. non-renewable hydrogen)

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization
11

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment
Diesel fuel

Total fuel

Heating value
Unable to confirm heating value

Total fuel MWh consumed by the organization
35442

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

C8.2e

(C8.2e) 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 C6.3.

Sourcing method
Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

Energy carrier
Electricity

Low-carbon technology type
Solar

Country/area of low-carbon energy consumption
Slovenia

Tracking instrument used
GO

Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
531

Country/area of origin (generation) of the low-carbon energy or energy attribute
Slovenia

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)
2011

Comment

Sourcing method
Default delivered electricity from the grid (e.g. standard product offering by an energy supplier), supported by energy attribute certificates

Energy carrier
Electricity

Low-carbon technology type
Large hydropower (>25 MW)

Country/area of low-carbon energy consumption
Italy

Tracking instrument used
REGO

Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
66

Country/area of origin (generation) of the low-carbon energy or energy attribute
Italy

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)
1960

Comment

Sourcing method
Green electricity products from an energy supplier (e.g. green tariffs)

Energy carrier
Electricity

Low-carbon technology type
Low-carbon energy mix, please specify (Mix of solar, wind, hydroelectric)

Country/area of low-carbon energy consumption
United States of America

Tracking instrument used
Contract

Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
544

Country/area of origin (generation) of the low-carbon energy or energy attribute
United States of America

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

Comment
San Jose Clean Energy program

C8.2g

(C8.2g) Provide a breakdown of your non-fuel energy consumption by country.

Country/area
United Kingdom of Great Britain and Northern Ireland

Consumption of electricity (MWh)
14288

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
14288

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
China

Consumption of electricity (MWh)
15622

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
15622

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Italy

Consumption of electricity (MWh)
333

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
333

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Thailand

Consumption of electricity (MWh)
39942

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
39942

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Canada

Consumption of electricity (MWh)
4186

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
4186

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Japan

Consumption of electricity (MWh)
11757

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
11757

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
United States of America

Consumption of electricity (MWh)
25193

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
25193

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Republic of Korea

Consumption of electricity (MWh)
43

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
43

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Slovenia

Consumption of electricity (MWh)
974

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
974

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Taiwan, China

Consumption of electricity (MWh)
322

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
322

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

Country/area
Switzerland

Consumption of electricity (MWh)
629

Consumption of heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
629

Is this consumption excluded from your RE100 commitment?
<Not Applicable>

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Lumentum_2021 GHG_ERM CVS Assurance Statement.pdf

Page/ section reference
Page 1.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach
Scope 2 location-based

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Lumentum_2021 GHG_ERM CVS Assurance Statement.pdf

Page/ section reference
Page 1.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

Scope 2 approach
Scope 2 market-based

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Lumentum_2021 GHG_ERM CVS Assurance Statement.pdf

Page/ section reference
Page 1.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category
Scope 3: Purchased goods and services
Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)
Scope 3: Employee commuting

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Lumentum_2021 GHG_ERM CVS Assurance Statement.pdf

Page/section reference
Page 1.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)
100

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?
No, we do not verify any other climate-related information reported in our CDP disclosure

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?
No, and we do not anticipate being regulated in the next three years

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?
No

C11.3

(C11.3) Does your organization use an internal price on carbon?
No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?
Yes, our suppliers
Yes, our customers/clients

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement
Information collection (understanding supplier behavior)

Details of engagement
Collect climate change and carbon information at least annually from suppliers

% of suppliers by number
0.1

% total procurement spend (direct and indirect)
52

% of supplier-related Scope 3 emissions as reported in C6.5
100

Rationale for the coverage of your engagement
Current coverage of engagement is with all our contract manufacturers (CMs) which represents most of our scope 3 emissions from purchased goods and services.

Impact of engagement, including measures of success
The impact of the engagement is to understand the GHG emissions allocated to Lumentum by our CMs. Suppliers are evaluated on their responsiveness. Lumentum's measure of success for this engagement activity is a 100% response rate to Lumentum's CM questionnaire, which was achieved in FY21. This successful engagement captures accurate information from critical suppliers and enables engagement with a larger percentage of our supply chain, which is planned in the coming years.

Comment

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.

Type of engagement & Details of engagement

Collaboration & innovation	Run a campaign to encourage innovation to reduce climate change impacts

% of customers by number
1.1

% of customer - related Scope 3 emissions as reported in C6.5
17

Please explain the rationale for selecting this group of customers and scope of engagement
We currently fully respond to requests from 8 key customers through the CDP supply chain module disclosure process totalling 17% 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.

Impact of engagement, including measures of success
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) and seeing improvements in the supplier scorecards of our customers. Additionally, we provide annual updates via CDP climate change disclosure.

C12.2

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization's purchasing process?
Yes, suppliers have to meet climate-related requirements, but they are not included in our supplier contracts

C12.2a

(C12.2a) Provide details of the climate-related requirements that suppliers have to meet as part of your organization's purchasing process and the compliance mechanisms in place.

Climate-related requirement
Other, please specify (Establish a GHG emissions inventory and an emissions reduction target)

Description of this climate related requirement
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.

% suppliers by procurement spend that have to comply with this climate-related requirement
100

% suppliers by procurement spend in compliance with this climate-related requirement
67

Mechanisms for monitoring compliance with this climate-related requirement
Supplier scorecard or rating

Response to supplier non-compliance with this climate-related requirement
Retain and engage

C12.3

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Row 1

Direct or indirect engagement that could influence policy, law, or regulation that may impact the climate
Yes, we engage indirectly through trade associations

Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?
No, but we plan to have one in the next two years

Attach commitment or position statement(s)
<Not Applicable>

Describe the process(es) your organization has in place to ensure that your engagement activities are consistent with your overall climate change strategy
When engaging with any industry or trade association, we work to understand their position on key issues and aim to align with Lumentum's values and guiding principles. Lumentum's Government Affairs group is responsible for identifying public policies that are relevant and coordinates with stakeholders on legislative/regulatory issues and areas of interest and works to mitigate any adverse impacts from policies of concern. Lumentum promotes corporate-wide awareness of key public policy issues through its communications.

Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
<Not Applicable>

Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
<Not Applicable>

C12.3b

(C12.3b) Provide details of the trade associations your organization engages with which are likely to take a position on any policy, law or regulation that may impact the climate.

Trade association
Other, please specify (The Responsible Business Alliance)

Is your organization's position on climate change consistent with theirs?
Consistent

Has your organization influenced, or is your organization attempting to influence their position?
We publicly promote their current position

State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)
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. 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.

Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)

Describe the aim of your organization's funding
<Not Applicable>

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?
Yes, we have evaluated, and it is aligned

Trade association
Other, please specify (Silicon Valley Leadership Group)

Is your organization's position on climate change consistent with theirs?
Consistent

Has your organization influenced, or is your organization attempting to influence their position?
We publicly promote their current position

State the trade association's position on climate change, explain where your organization's position differs, and how you are attempting to influence their position (if applicable)
The Silicon Valley Leadership Group (SVLG) is a public policy trade association that considers climate change a key issue. They are active in promoting greenhouse gas reduction goals, support for clean energy and jobs and promoting California's clean energy future. SVLG is also active in federal-level advocacy for smart energy and climate policies. Lumentum's position does not differ.

Funding figure your organization provided to this trade association in the reporting year, if applicable (currency as selected in C0.4) (optional)

Describe the aim of your organization's funding
<Not Applicable>

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?
Yes, we have evaluated, and it is aligned

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication
In voluntary sustainability report

Status
Complete

Attach the document
lumentum-csr-2021-report.pdf

Page/Section reference
Pages 8, 34-38, 46.

Content elements
Governance
Strategy
Emissions figures
Emission targets

Comment

C15. Biodiversity

C15.1

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity	Scope of board-level oversight
Row 1	Please select	<Not Applicable>	<Not Applicable>

C15.2

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed
Row 1	Please select	<Not Applicable>	<Not Applicable>

C15.3

(C15.3) Does your organization assess the impact of its value chain on biodiversity?

	Does your organization assess the impact of its value chain on biodiversity?	Portfolio
Row 1	Please select	<Not Applicable>

C15.4

(C15.4) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?	Type of action taken to progress biodiversity- related commitments
Row 1	Please select	<Not Applicable>

C15.5

(C15.5) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	Please select	Please select

C15.6

(C15.6) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located

C16. Signoff

C-FI

(C-FI) 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.

C16.1

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	VP, Global Operations	Other, please specify (Manager, Business Function)