



# LUNA IS LIVE!

## 申请处理和概述

April 26, 2022

# 议程

- 什么是 LUNA?
- 如何提交 LUNA 申请
  - 提交过程和改变
  - 申请 Excel 表格
  - 新的提交者工具
- 新的 DLC 格式的 SPD 和发光强度图像
- 新的可控性术语 (表 7 与表 9)
- 如何在 QPL 上查找 LUNA 产品
- 费用和审查时间表

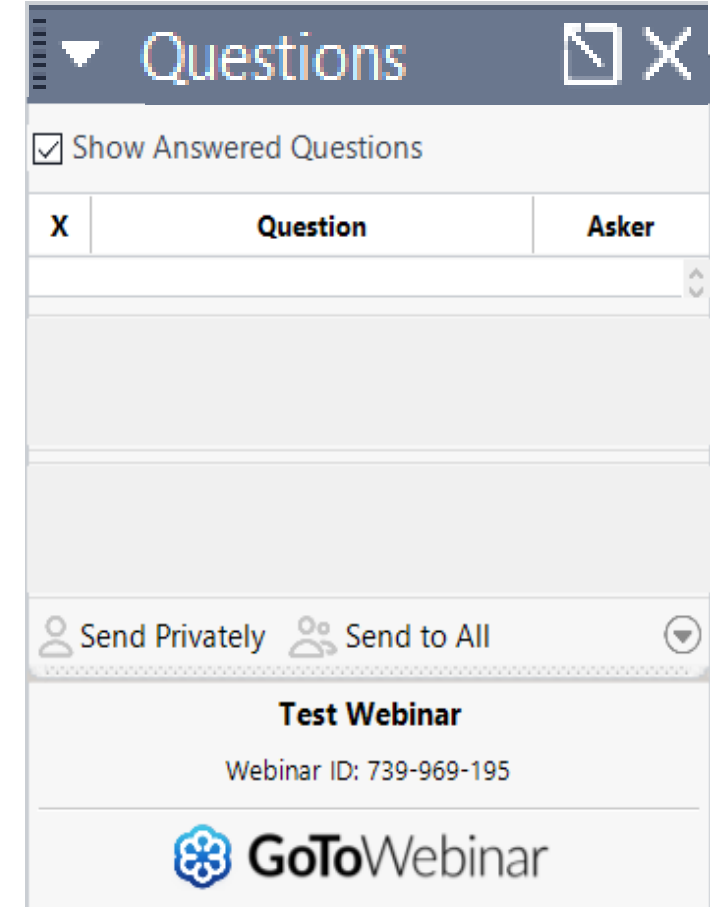
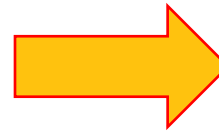
# Webinar Logistics

请在 **GoToWebinar** 的问题窗格中输入您的问题

- 一些问题会在研讨会过程中被解答
- 一些问题会在研讨会最后解答

所有与会者都自动静音

如果您遇到技术问题，请使用聊天窗格告诉我们





# 录音

- 幻灯片和录制的网络研讨会将在今天的演示后不久发布在 [www.designlights.org/news-events](http://www.designlights.org/news-events) 的 DLC 新闻和活动页面上



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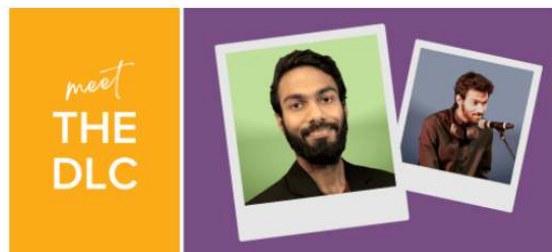
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January 26, 2022 1:00 pm

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Energy · Quality · Control



# 概述

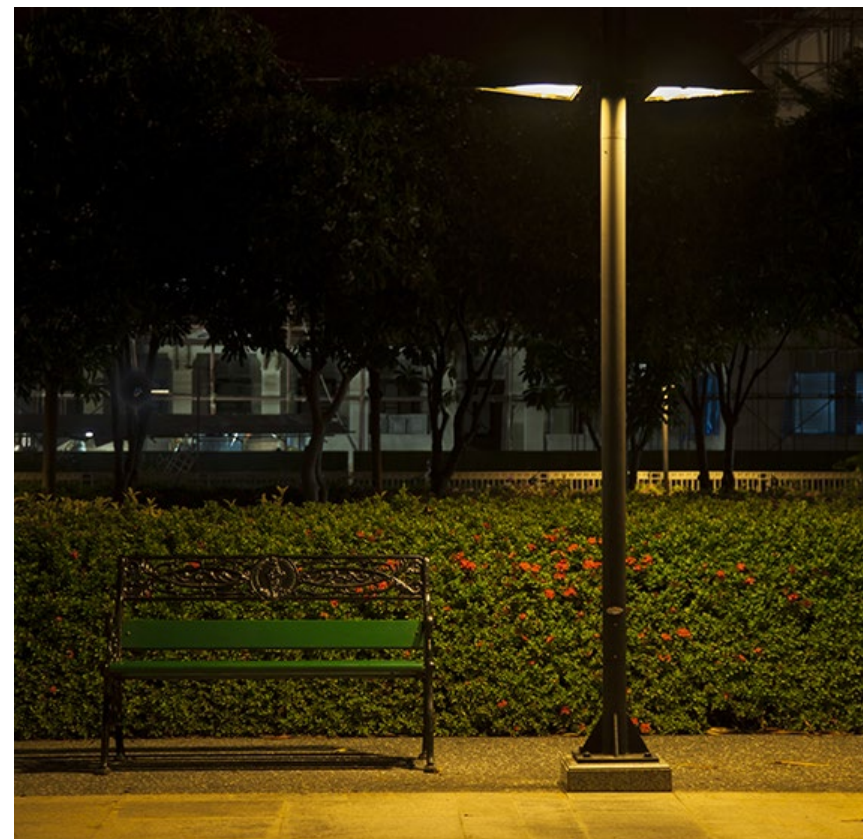


# LUNA 户外灯具

1. 最大限度地减少照明能源的使用

2. 尽量减少光污染

3. 为用户提供适当的产品性能选项



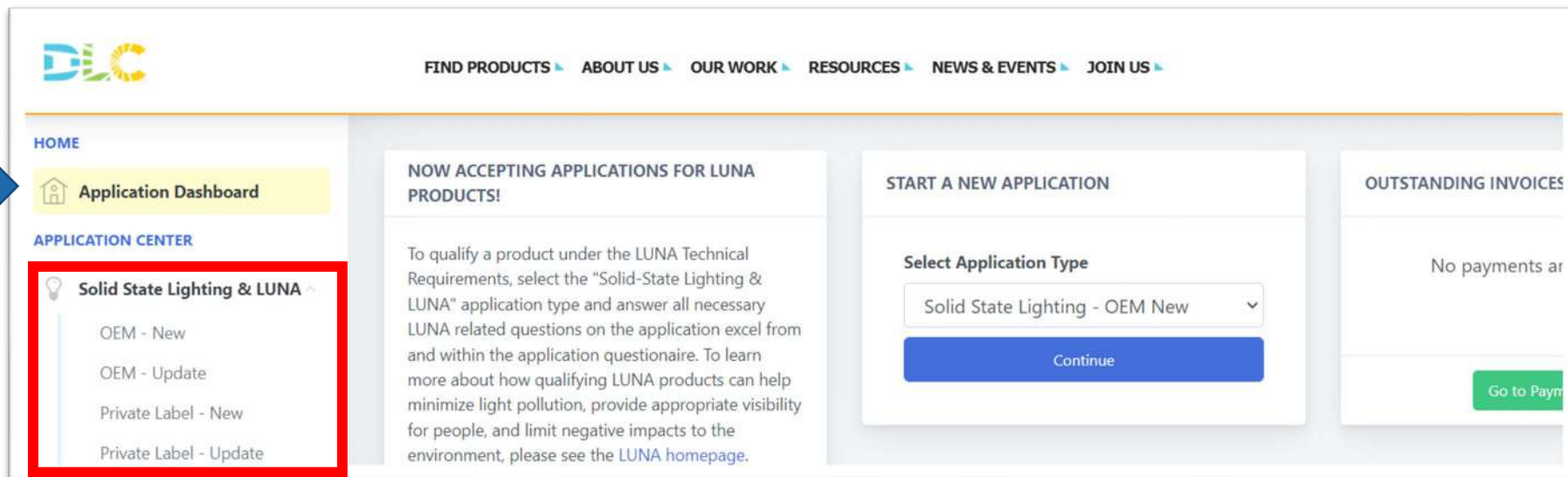
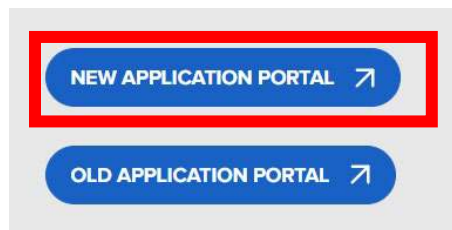


# 如何提交申请





# 如何提交LUNA申请



要提交 LUNA，您必须提交相应的 SSL 申请：  
每种申请类型都将包含与 LUNA 相关的特定问题

- SSL OEM NEW AND UPDATE
- SSL PL NEW AND UPDATE

您可以使用相同的申请将产品更新到 LUNA 或将产品限定为 5.1 和 LUNA。  
如果 OEM 产品具有 LUNA 名称，PL 制造商可以选择使产品符合 LUNA  
4/4之前提交的应用必须提交新应用才能添加LUNA



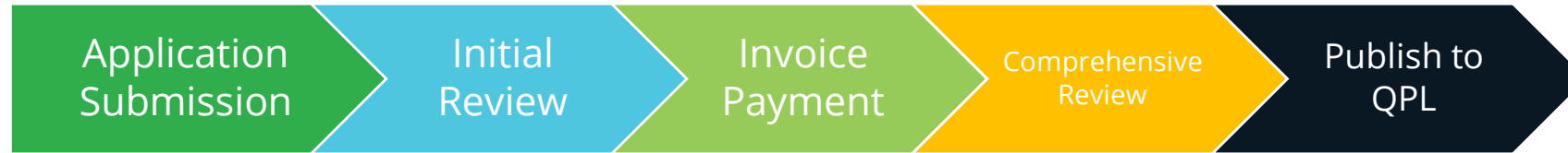


# 申请过程和改变



# SSL 和 LUNA 的申请流程相同

SSL and LUNA OEM New & Update Applications



SSL and LUNA Private Label New & Update Applications



## INSTRUCTIONS

For instructions on how to submit this application type and to download the SSL OEM New App Excel Form for SSL Level 1 applications (previously known as single product applications) or SSL Level 2 applications (previously known as family grouping applications) please see:

[View SSL & LUNA Level 1 Instructions](#)

[View SSL & LUNA Level 2 Instructions](#)

# Questionnaire

LUNA 申请表中添加了新的和更新的问题：

2. Please select if any products in this application are targeting LUNA qualification. Required

This is only eligible for specific primary use designations within the outdoor luminaires category.  
Additional information on LUNA qualification can be found on the [LUNA program page](#).

- Yes  
 No

添加到所有申请流程  
默认 = 否  
现有申请 - 选择否  
PL申请唯一增加的步骤

在规格书或其他文档中包括  
适用的屏蔽/安装信息

3. Please upload a specification sheet for each product included in your application. Required

For LUNA applications, if your specification sheet does not include shielding and/or mounting options/accessories please upload additional documentation describing these options/accessories. Specification sheets that are submitted must be the customer-facing specification sheets used in the marketplace. Specification sheets created for the sole purpose of DLC submission are not acceptable. Product specification sheets must clearly detail dimming/control capabilities if products are capable of dimming and/or have controls. Multiple specification sheets are acceptable if all products are not included in a single document.

25. Please upload an LM-79/distribution report PDF for each unique optical variation submitted. Required

This is required for LUNA applications and optional for non-LUNA application.  
PDF distribution reports may be beneficial for the reviewer to understand the testing conducted on your products.  
The following are for LUNA products only:  
These must accompany all IES photometric files uploaded above.  
The tested product from this report must be the highest light output within the family and include the worst case performance affecting mounting options.  
A product image must be included in this report showing the optics, mounting and shields if applicable.

LUNA要求PDF 光分布  
报告

在MyDLC Portal 中使用  
提交工具

29. Please upload a luminous intensity distribution image, also known as a polar candela plot, for each unique optical variation submitted. Images must be generated from the LUNA tool on the [myDLC portal](#). Required

For instructions and information on how to utilize the tool please refer to this reference guide.





# Questionnaire

28. Please upload all relevant .SPDX Files (IES TM-27). Required

These should accompany all "full LM-79/color reports" submitted and should include spectral power distribution data from 380- 780 nm in  $\leq 5$ nm increments.

Choose File No file chosen

Associated Model Number

Choose...

Upload Another

29. Please upload a spectral power distribution image for each .SPDX file submitted. Images must be generated from the LUNA tool on the [myDLC portal](#). Required

For instructions and information on how to utilize the tool please refer to this reference guide.

Choose File No file chosen

Associated Model Number

Choose...

Upload Another

30. Optionally, upload available TM-33 files corresponding to the submitted LM-79/Color Reports and LM-79/Distribution Reports. These are not required at this time however will be required in the future to maintain LUNA qualification

Choose File No file chosen

Associated Model Number

Choose...

提交用于生成图像的相同文件

使用 TM-27

在 MyDLC 门户上使用提交者工具

在未来的修订中将需要



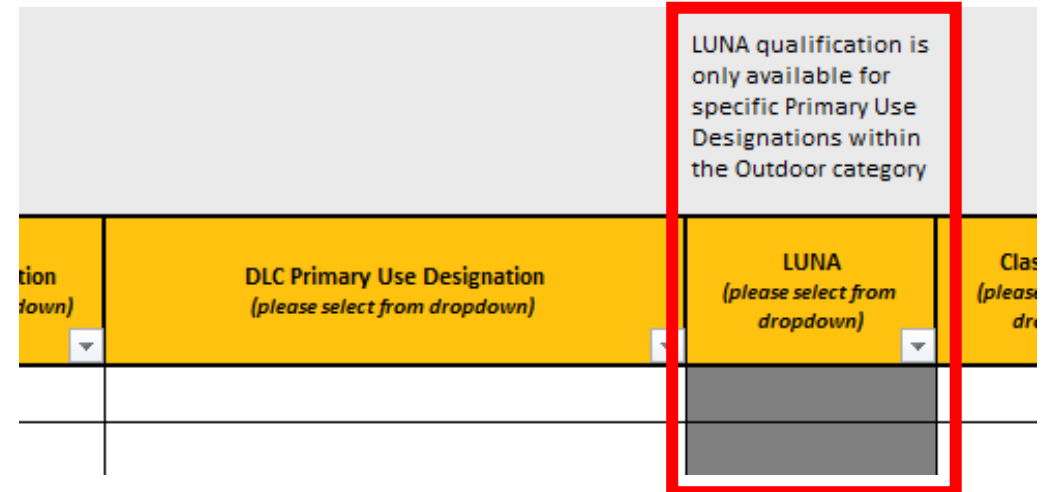
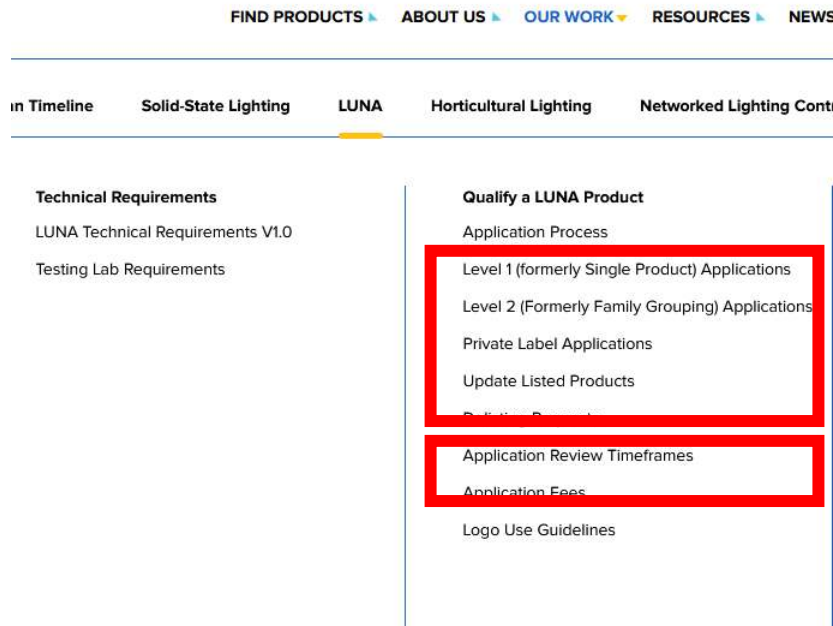
# Excel 申请表



# Excel申请表

## LUNA 需要使用新的 Excel 表格

- SSL OEM New
- SSL OEM Update
- 将有新的字段来收集有关 LUNA 产品的信息
- 如果选择LUNA,所有LUNA相关字段都需要填写





# 可控性：

除了 5.1 控件之外，还选择集成控件

LUNA Specific Columns Start Here				
Integral Control Capabilities Please select any additional capabilities beyond those selected in column AG			Integral Control Receptacle Standard	
			Please leave blank if not applicable	
Part Night Dim <i>(please select from dropdown)</i>	Photocontrol with Self-Calibrating Astronomic Clock <i>(please select from dropdown)</i>	Low-end Trim for Vacancy Mode <i>(please select from dropdown)</i>	Integral Control Receptacle Standard <i>(please select from dropdown)</i>	Other Integral Control Receptacle Standard Name

# Controllability

## 单个控制点的有线通信 - 表 7

Wired Communication for a Single Control Point - Table 7 of LUNA specification									
									Please type in any wired communication protocols for a single control point available on the product that are not listed on the left.
Minimum Dimming Level	0-10V IEC 60929 Annex E <i>(please select from dropdown)</i>	0-10V ANSI C137.1 (8V) <i>(please select from dropdown)</i>	0-10V ANSI C137.1 (9V) <i>(please select from dropdown)</i>	Fwd Phase NEMA SSL 7A <i>(please select from dropdown)</i>	DALI <i>(please select from dropdown)</i>	DALI2 <i>(please select from dropdown)</i>	D4i <i>(please select from dropdown)</i>	DMX512 <i>(please select from dropdown)</i>	Other Wired Communication for a Single Control Point

# Controllability

## 多个控制点之间的有线通信 - 表 9

Wired Communication Between Multiple Control Points - Table 9 of LUNA specification						
						Please type in any wired communication protocols between multiple control points available on the product that are not listed on the left.
DALI	DALI2	DMX512	BACnet <i>(please select from dropdown)</i>	LONworks <i>(please select from dropdown)</i>	Modbus <i>(please select from dropdown)</i>	Other Wired Communication Between Multiple Control Points



# Controllability-Wireless

## 多个控制点之间的无线通信LUNA 规范表9

Wireless Communication Between Multiple Control Points - Table 9 of LUNA specification

Please type in any wireless communication protocols between multiple control points available on the product that are not listed on the left.

BLE MDP v2 <i>(please select from dropdown)</i>	BLE SIG Mesh v1 <i>(please select from dropdown)</i>	BLE Proprietary <i>(please select from dropdown)</i>	4G <i>(please select from dropdown)</i>	5G <i>(please select from dropdown)</i>	EnOcean <i>(please select from dropdown)</i>	Wi-Fi <i>(please select from dropdown)</i>	Zigbee Certified Product <i>(please select from dropdown)</i>	Zigbee 3.0 <i>(please select from dropdown)</i>	Zigbee Proprietary <i>(please select from dropdown)</i>	Other Wireless Communication Between Multiple Control Points
--	---	---	--	--	---	---	--	--	--	--








# 新的提交者工具





# Web


[NEW APPLICATION PORTAL ↗](#)


[APPLICATION PORTAL ↗](#)


 **Dashboard**


 **QPL Search**


 **News & Updates**

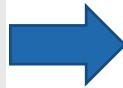
 **Events & Webinars**

 **Application Pre-submission Tools**

 **Resources & Tools**

 **QPL Data Access & API**

 **Profile Settings**



The LUNA Pre-submission Tool was designed by the DLC for use by submitters who intend to submit products for qualification to the DLC Solid-State Lighting Qualified Products List (QPL) with the additional LUNA designation. This tool allows submitters to upload an .IES or .SPDX document to validate, generate, preview and download DLC-formatted luminous intensity distribution images and spectral power distribution (SPD) in .png format for use in the application submission process.

The generated images provide a consistent format for the appearance of these graphics on the QPL. *The image files are not stored and must be downloaded by the submitter to include in the application submission.* Alternative SPD and luminous intensity images from other software will not be accepted for LUNA applications.

This Pre-submission tool also validates that the uploaded document meets the DLC requirements for .IES or .SPDX files required for LUNA V1.0, and helps submitters identify missing information by generating an error message in the tool. Please see the "helpful articles" for information about common error messages.

If you have questions about this tool, please reach out to [applications@designlights.org](mailto:applications@designlights.org)

## Upload IES file or SPDX document

Click on the upload IES or SPDX button below to select one .ies file or .spdx document. After uploading, you will see the validation results on the next screen. If the file has validation errors, you will be informed of errors that need to be resolved prior to re-uploading the file. If the file has no errors, you will be able to view and download the generated .png image for use in the LUNA application.

[UPLOAD IES OR SPDX ↕](#)

## DOWNLOAD SAMPLE FILES

-  [Example IES file](#)
-  [Example SPDX](#)

用于预览图形的  
示例文件

## HELPFUL ARTICLES

- [Intro to the LUNA Pre-submission Tool](#) 
- [Common SPDX and IES Validation Errors](#) 
- [View More](#) 

包括常见的错误消息

# Instructions

## 第 1 步 : 上传数据

### Upload IES file or SPDX document

Click on the upload IES or SPDX button below to select one .ies file or .spdx document. After uploading, you will see the validation results on the next screen. If the file has validation errors, you will be informed of errors that need to be resolved prior to re-uploading the file. If the file has no errors, you will be able to view and download the generated .png image for use in the LUNA application.

UPLOAD IES OR SPDX 



# Instructions

## 步骤 2a : 预览文件 ( 无验证错误 )

The screenshot displays a web interface for file processing. At the top, it says "Files successfully Processed". Below this, there is a session information bar: "Session > Mar 31, 2022 - 04:01 PM". A yellow header bar reads "Your Generated Files". The main content area is empty in the left view but shows a graph in the right view. The graph is titled "SPD\_Catalog\_Number.png" and shows a line plot with a peak. Below the graph is a "Go Back" link and a "DOWNLOAD ALL" button.

Files successfully Processed

Session > Mar 31, 2022 - 04:01 PM

Your Generated Files

Files successfully Processed

Session > Mar 31, 2022 - 04:05 PM

SHOW UPLOADED IES, SPD<sup>X</sup> (1)

Your Generated Files

SPD\_Catalog\_Number.png

Go Back

DOWNLOAD ALL

# Instructions

## 第 2b 步：修复验证错误

**Validation Errors to be Addressed**

Please review the following errors:

- [TESTDATE] keyword is required by LUNA V1, and was not found in the submitted file. This must be resolved before a photometric image can be created.
- Intensity scaling is not allowed by LUNA V1, and the multiplier value must be 1.0. This must be resolved before a photometric image can be created.

[< Go Back](#) [Download Error Log](#)

.ies 的验证  
错误 files

**Validation Errors to be Addressed**

Please review the following errors:

- The uploaded file does not comply with the IESTM2714 document format and therefore cannot be used with this pre-submission tool. Please refer to the TM-27 standard and DLC supplemental documentation for more information on how to format your .spdx document.

[< Go Back](#)

.spdx 文档的  
验证错误

**Validation Errors to be Addressed**

Please review the following errors:

- DocumentCreator is required by LUNA V1, and was not found in the correct location in the submitted file. This must be resolved before an SPD image can be created.

[< Go Back](#) [Download Error Log](#)

<https://www.designlights.org/graphics-tool/common-spdx-and-ies-validation-errors/>



# Instructions

## 第三步：下载图片提交

Files successfully Processed

Session >  Apr 4, 2022 - 01:09 PM SHOW UPLOADED IES, SPDX (1)

Your Generated Files



下载图片

SPD\_9092174\_Catalog\_Number.png 

下载图像和数据文件

DOWNLOAD ALL 

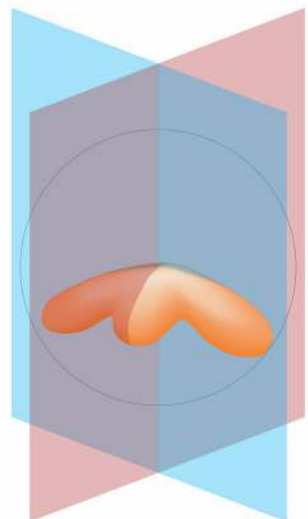
[Go Back](#)

要求：光分布



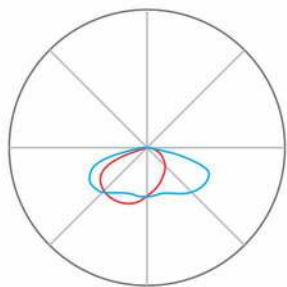
# 有什么不同

固定垂直平面

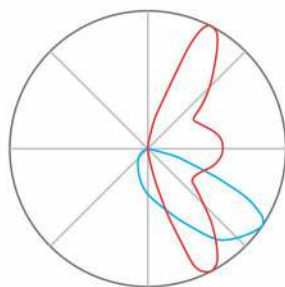
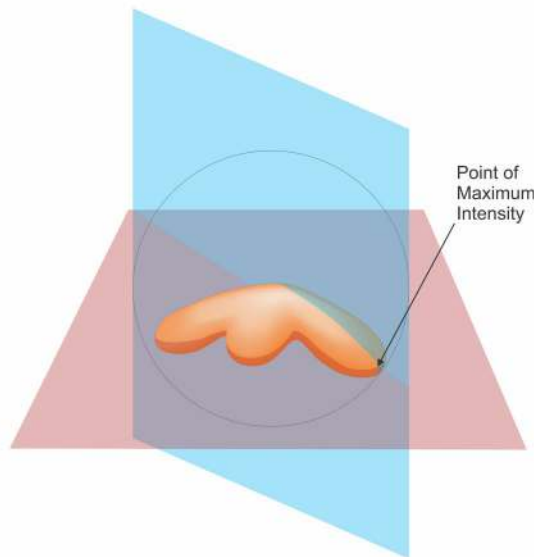


0-180 degree plane

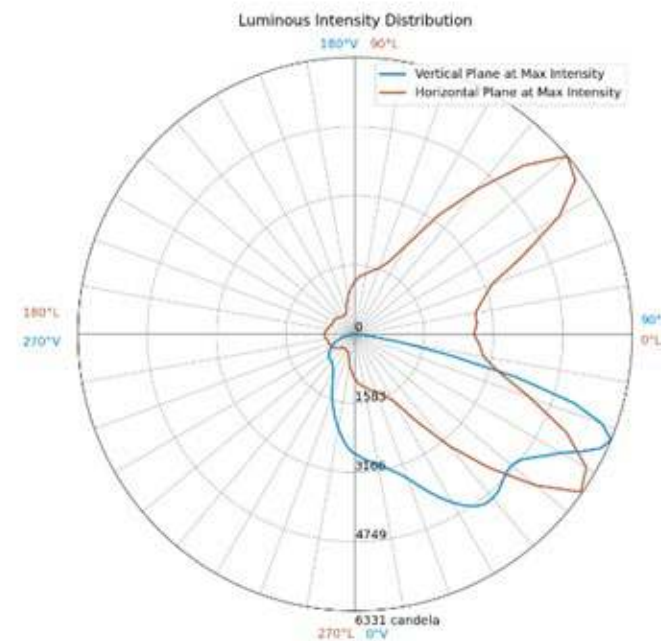
90-270 degree plane



DLC:  
最大强度的平面



DLC 格式的图像  
来自 LUNA 预提交工具

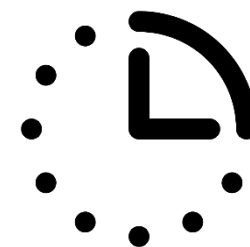
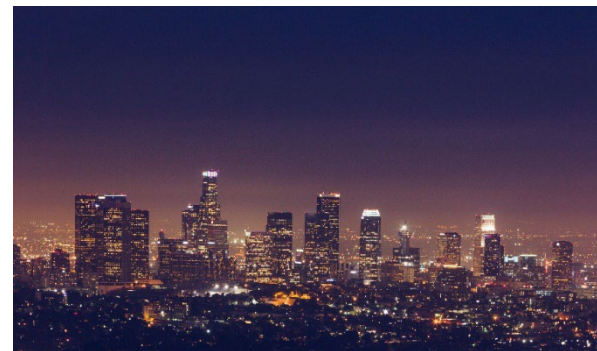


要求：可控性



# LUNA 可控性原理

- 1) 在整个夜晚灵活地减少天空辉光和光线侵入
- 2) 灵活减少夜间照明能源使用
- 3) 将电路级控制和独立控制视为实现目标 1,2 的廉价方法





# 可控性：概述

LUNA 可控性测试和报告要求。

LUNA 技术要求表 7 中的要点

(用于危险场所的特殊主要用途指定不需要)

Metric	LUNA V1 Requirements
Dimming Capability	要求连续调光能力小于最大输出功率的 20%。 要求每款产品必须支持至少一种调光通信方式（单个控制点有线通信，或多个控制点之间通信）
Wired Communication for a Single Control Point	报告单个控制点的有线通信
Integral Controls	报告集成控制的能力。
Communication Between Multiple Control Points (Wired or Wireless)	报告通信标准协议。

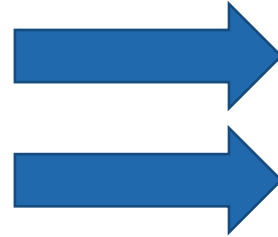
# 以前称为调光协议的参数



## Old

- 驱动器和传感器/控制器之间的调光标准协议
- 灯具与其他设备之间的通信标准协议

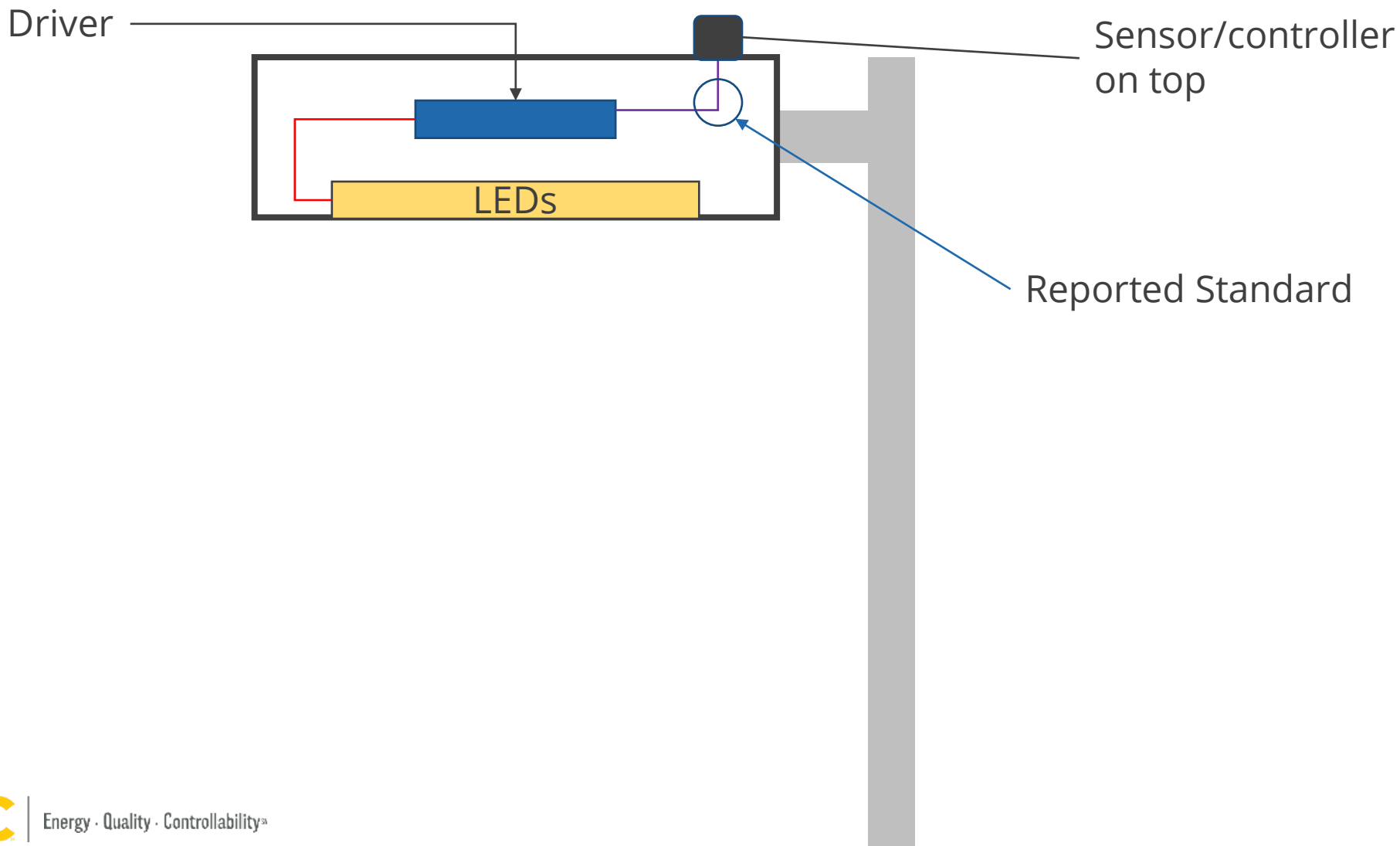
## became



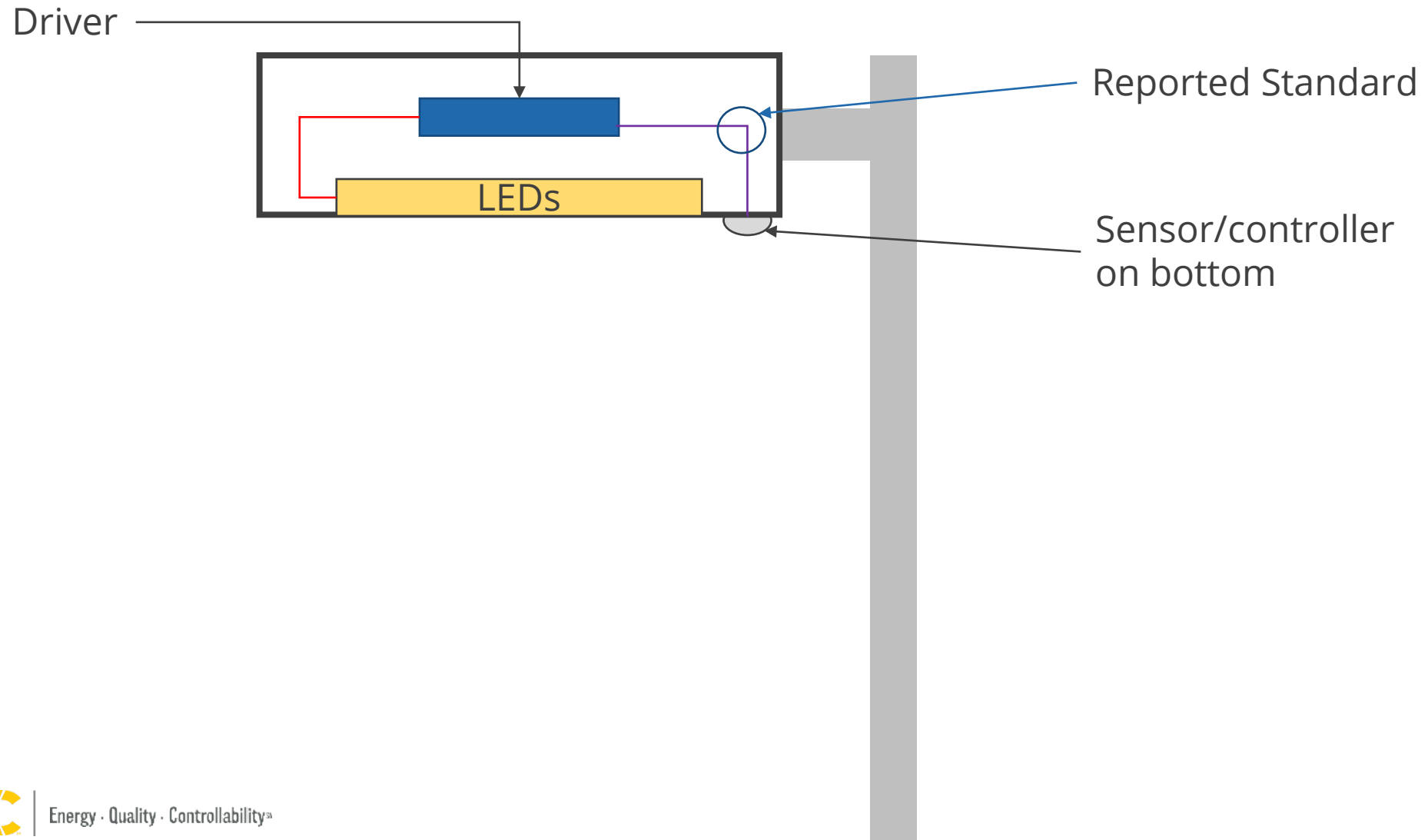
## New

- 单个控制点的有线通信
- 多个控制点之间的通信

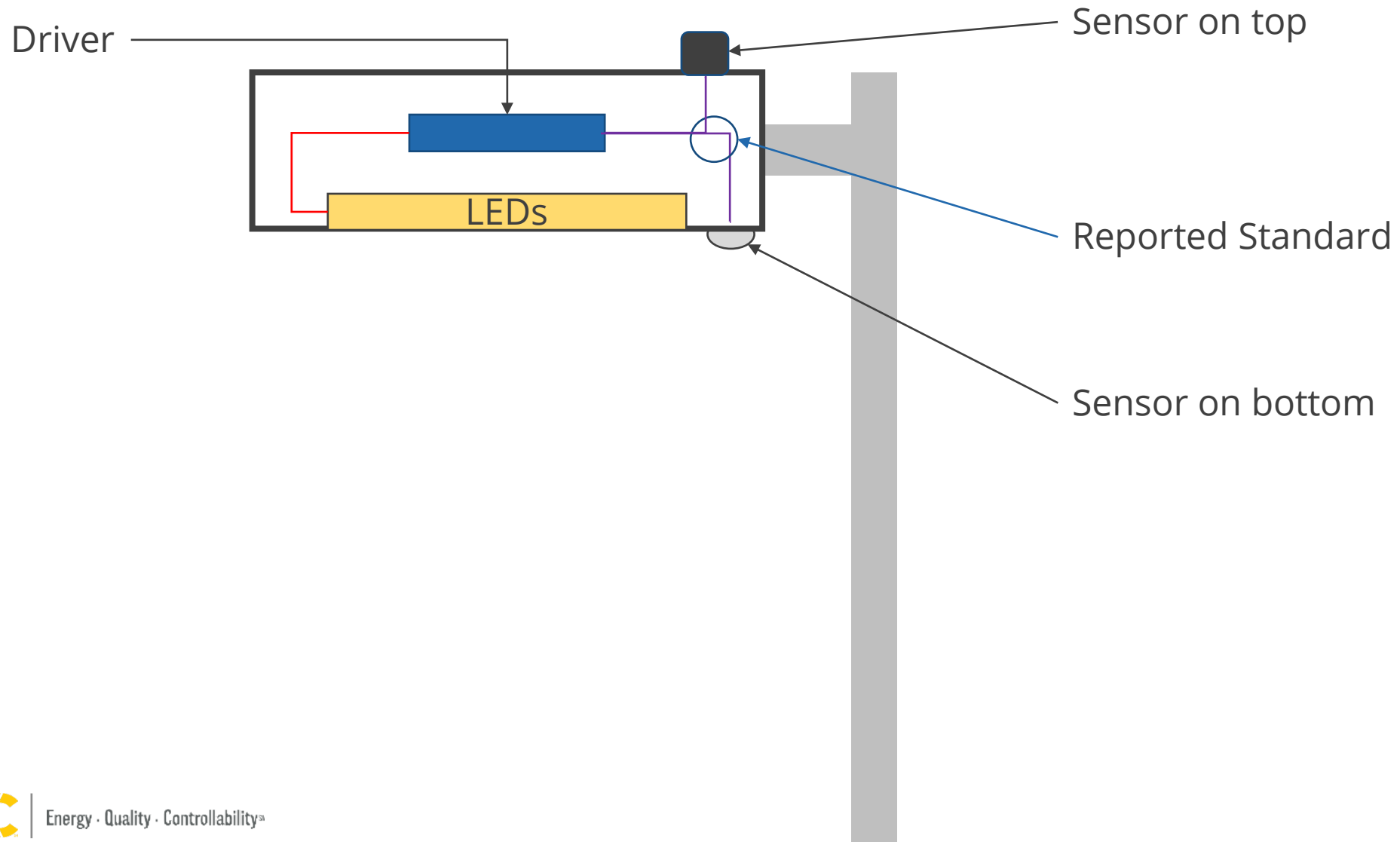
# 单个控制点的有线通信



# 单个控制点的有线通信

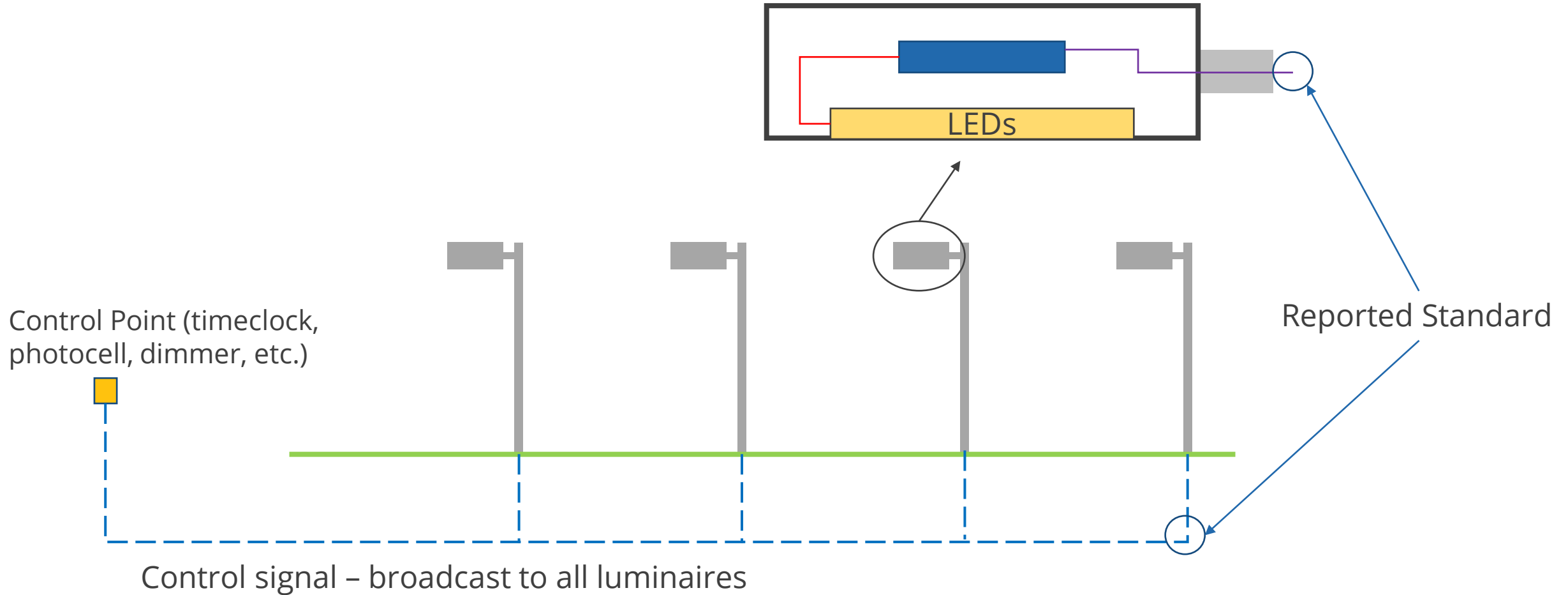


# 单个控制点的有线通信

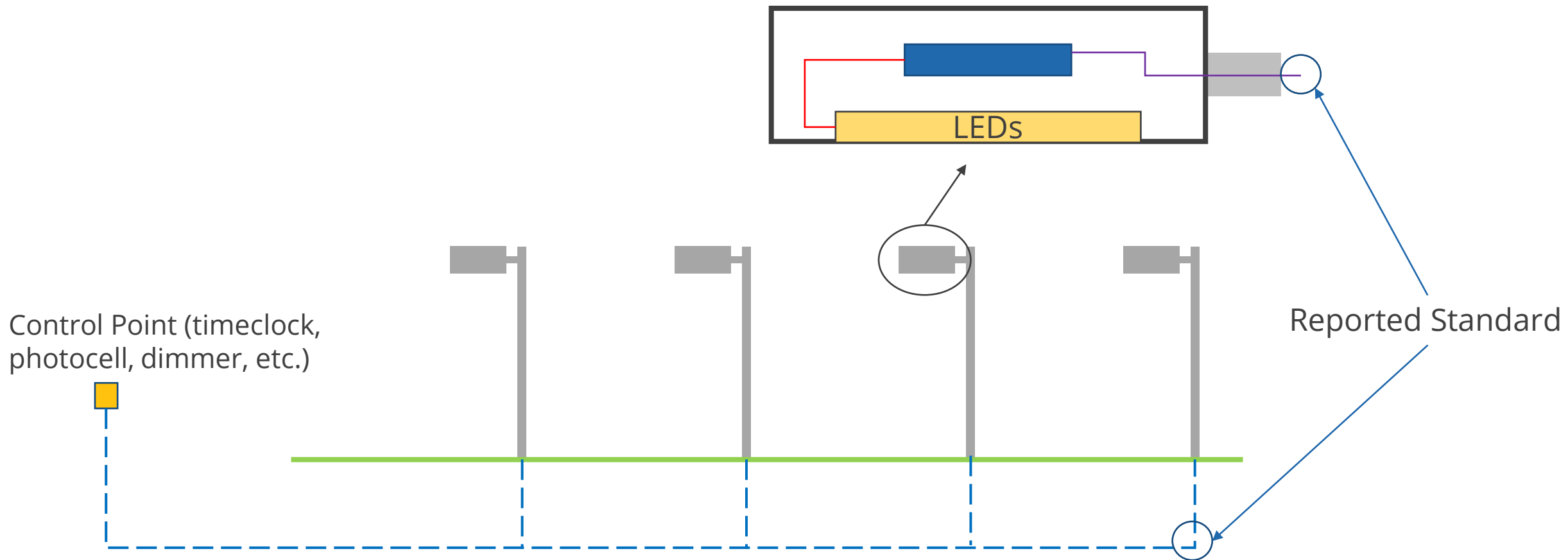




# 单个控制点的有线通信



# 多个控制点之间的通信



有线控制信号——能够单独寻址电源

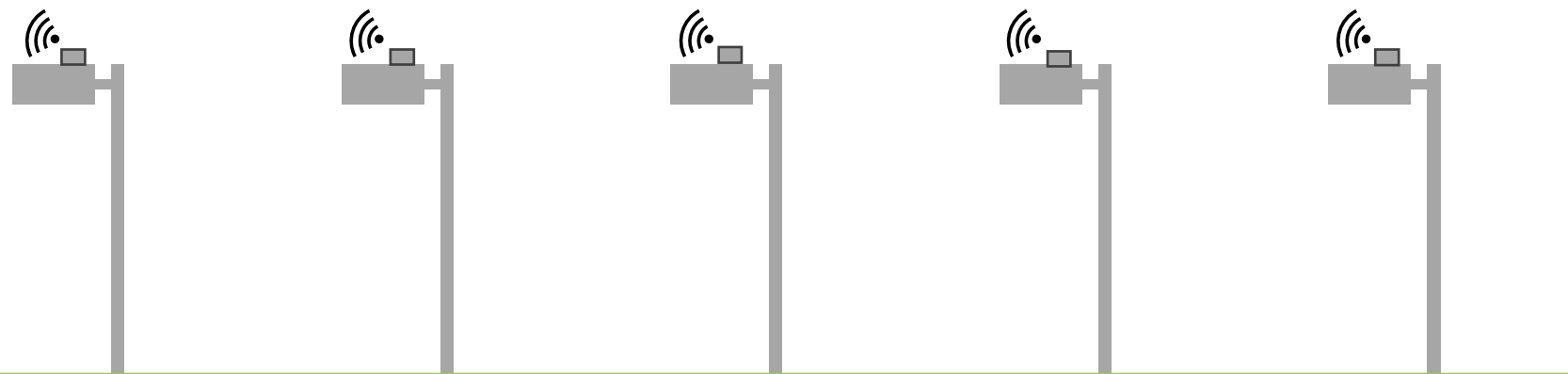
# 多个控制点之间的通信

无线控制信号——能够单独寻址驱动器/控制器

Reported Standard



Control Point (timeclock, photocell, dimmer, etc.)



# 报告单个控制点的有线通信.

来自 LUNA 技术要求的表 7

Metric	LUNA V1 Requirements
Dimming Capability	Continuous dimming capability to $\leq 20\%$ of maximum output power is <b>required</b> . Each product is <b>required</b> must support at least one Communication method for dimming (either wired communication for a single control point, or communication between multiple control points)
Wired Communication for a Single Control Point	Wired Communication for a Single Control Point is <b>reported</b> .
Integral Controls	Capability for integral controls is <b>reported</b> .
Communication Between Multiple Control Points (Wired or Wireless)	The communication standard protocol is <b>reported</b> .

- Wired, Analog

0-10V IEC 60929 Annex E

0-10V ANSI C137.1-2019 (8-Volt)

0-10V ANSI C137.1-2019 (9-Volt)

Forward Phase NEMA SSL 7A-2015 (R2021)

- Wired, Digital

DALI

DALI 2

D4i

DMX512

- Other

# 报告多个控制点之间的通信

来自 LUNA 技术要求的表 9

Metric	LUNA V1 Requirements
Dimming Capability	Continuous dimming capability to $\leq 20\%$ of maximum output power is <b>required</b> .  Each product is <b>required</b> must support at least one Communication method for dimming (either wired communication for a single control point, or communication between multiple controls points)
Wired Communication for a Single Control Point	Wired Communication for a Single Control Point is <b>reported</b> .
Integral Controls	Capability for integral controls is <b>reported</b> .
Communication Between Multiple Control Points (Wired or Wireless)	The communication standard protocol is <b>reported</b> .

Table 9: Communication Between Multiple Control Points (reported capability)

Physical Medium	Standard Protocol	Acceptable Terms or Conditions
Wired	<a href="#">DALI</a>	DALI, "Registered" at <a href="https://www.dali-alliance.org/products">https://www.dali-alliance.org/products</a>
	<a href="#">DALI2</a>	DALI2, DALI-2, "Certified product" at <a href="https://www.dali-alliance.org/products">https://www.dali-alliance.org/products</a>
	<a href="#">DMX512</a>	DMX512
	<a href="#">BACnet</a>	BACnet
	<a href="#">LONworks</a>	LONworks
	<a href="#">Modbus</a>	Modbus
	Other (describe)	
Wireless	Bluetooth Mesh	
	<ul style="list-style-type: none"> <li><a href="#">BLE MDP v2</a></li> </ul>	Bluetooth SIG mesh version 2, BLE SIG mesh v2
	<ul style="list-style-type: none"> <li><a href="#">BLE SIG Mesh v1.x</a></li> </ul>	Bluetooth SIG mesh version 1, BLE SIG mesh v1
	<ul style="list-style-type: none"> <li>BLE Proprietary</li> </ul>	Bluetooth mesh, BLE mesh, Product listing at <a href="https://launchstudio.bluetooth.com/Listings/Search">https://launchstudio.bluetooth.com/Listings/Search</a>
	Cellular	
	<ul style="list-style-type: none"> <li>4G</li> </ul>	4G, IMT-2000, LTE Advanced, IEEE 802.16m
	<ul style="list-style-type: none"> <li>5G</li> </ul>	5G, 3GPP 5G NR, IMT-2020
	<a href="#">EnOcean</a>	EnOcean, Product listing at <a href="https://www.enocean-alliance.org/products/">https://www.enocean-alliance.org/products/</a>
	<a href="#">Wi-Fi</a>	Wi-Fi, WiFi, IEEE 802.11, Wi-Fi Certified, Product listing at <a href="https://www.wi-fi.org/product-finder">https://www.wi-fi.org/product-finder</a>
	Zigbee Certified Product	Zigbee Certified Product, Product listing as "Zigbee Certified Product" at <a href="https://zigbeealliance.org/product_type/certified_product/">https://zigbeealliance.org/product_type/certified_product/</a>
	<a href="#">Zigbee 3.0</a>	Zigbee 3.0
	Zigbee Proprietary	Zigbee
	Other (describe)	



# Control Filters



## DLC Qualified Product Lists > Solid State Lighting

You have 0 saved items

Listed Products ▾

SSL Technical Requirements Version ⊕

LUNA Technical Requirements Version ⊕

Classification ⊕

Category ⊕

General Application ⊕

Primary Use Designation ⊕

Manufacturer ⊕

Brand ⊕

Tested Performance Criteria ⊕

Reported Performance Criteria ⊕

Distribution and Glare Criteria ⊕

Control Features ⊕

LUNA Specific Control Features ⊕

🔄 RESET FILTERS

Search by model, manufacturer, brand, product ID, or family ID



Search Tip: For an exact search, use quotes around the search term (ex. "PVO5LXDK"). [View additional search tips](#)

Prev 1 2 3 4 5 ... 99 100 Next

Displaying 1-25 of 10,000+ results

Add All Results to My List

Showing top 2,500 returned results.  
Grey shaded rows indicate parent products, which include tested data.

**EFH1-02-[0,1,2,3,4,5,D,E]-30-66-7-30-X-X-XX-XXXX-XXXXXX**  Add to my list  
[Excluding V1 Option]

**Manufacturer:** GE Current, a Daintree company **Primary Use:** Architectural Flood and Spot Luminaires  
**Brand:** GE Lighting Evolve **Product ID:** PIZSE0T2

**EFH1-02-[0,1,2,3,4,5,D,E]-55-66-7-27-X-X-XX-XXXX-XXXXXX**  Add to my list  
[Excluding V1 Option]

**Manufacturer:** GE Current, a Daintree company **Primary Use:** Architectural Flood and Spot Luminaires  
**Brand:** GE Lighting Evolve **Product ID:** PW13JJ1J

**EFH1-02-[0,1,2,3,4,5,D,E]-35-65-7-50-X-X-XX-XXXX-XXXXXX**  Add to my list  
[Excluding V1 Option]

**Manufacturer:** GE Current, a Daintree company **Primary Use:** Architectural Flood and Spot Luminaires  
**Brand:** GE Lighting Evolve **Product ID:** PYSX8W3T

**EFH1-02-[0,1,2,3,4,5,D,E]-55-76-7-30-X-X-XX-XXXX-XXXXXX**  Add to my list  
[Excluding V1 Option]

**Manufacturer:** GE Current, a Daintree company **Primary Use:** Architectural Flood and Spot Luminaires  
**Brand:** GE Lighting Evolve **Product ID:** P7C0PKL7



# SSL V5.1 中的现有控制筛选项

## Control Features

For LUNA specific controllability features see LUNA filter panel below

### Dimming Capacity and Range

- Continuous Dimming To 10% Or Below
- Continuous Dimming Above 10%
- Stepped Dimmable
- Not Dimmable

### SSL V5 Wireless Communication Protocol

- Zigbee
- Bluetooth
- Wi-Fi

### SSL V5 Wired Communication Protocol

- 0-10V Analog
- DALI
- DMX
- Phase Cut
- Other Wired Communication Protocol
- No Wired Communication Protocol

### Sensor Type

- Daylight Sensing
- Occupancy Sensing
- Traffic Sensing
- Multifunction Sensor
- Exterior Photocell
- Sensor Receptacle
- No Sensor

*(Continued from previous column)*

### Integral Control Capability

- Energy Monitoring
- Networked Replacement Lamp
- High End Trim
- LLLC
- Integral Control Capability

### Field-Adjustable

- Field Adjustable Light Distribution
- Field Adjustable Light Output
- Not Field Adjustable

### Color-Tunable

- White-Tunable
- Warm-Dimming
- Not Color-Tunable

### Integral Controls

- Available With Integral Controls
- Doesn't Have Integral Controls

LUNA Specific Control Features

RESET FILTERS

# 新的 LUNA 特定控制筛选项

From LUNA Technical Requirements Table 7

From LUNA Technical Requirements Table 8

## LUNA Specific Control Features

For V5.1 control options please see the control features panel above

### Minimum Dimming Level %

0 - 20



### Wired Communication for a Single Control Point, e.g. a circuit of luminaires all at one dim level

- Analog - 0-10V IEC 60929 Annex E
- Analog - 0-10V ANSI C137.1 (8V)
- Analog - 0-10V ANSI C137.1 (9V)
- Analog - Fwd Phase NEMA SSL 7A
- Digital - DALI
- Digital - DALI-2
- Digital - D4i
- Digital - DMX512
- Other

### Integral Controls Receptacle Standard

- NEMA (ANSI C136.41) 5-Pin
- NEMA (ANSI C136.41) 7-Pin
- Zhaga Book 18 (ANSI C136.58)
- Other

### Additional LUNA Integral Control Capabilities

- Part Night Dim
- Photocontrol With Self-Calibrating Astronomic Time Clock
- Low-End Trim For Vacancy Mode

(Continued from previous column)

From LUNA Technical Requirements Table 9

### Wireless Communication Between Multiple Control Points, e.g. Between Luminaires

- Bluetooth Mesh: BLE MDP V2
- Bluetooth Mesh: BLE Sig Mesh V1
- Bluetooth Mesh: BLE Proprietary
- Cellular: 4G
- Cellular: 5G
- En-Ocean
- Wi-Fi
- Zigbee Certified Product
- Zigbee 3.0
- Zigbee Proprietary
- Other

### Wired Communication Between Multiple Control Points, e.g. Between Luminaires

- DALI
- DALI-2
- DMX512
- BACnet
- LONworks
- Modbus
- Other

RESET FILTERS



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# 新的 LUNA 功能如何出现在 SSL 合格产品列表中

PRODUCT INFORMATION	
PRODUCT CATEGORIZATION	VIEW DETAILS
PRODUCT CAPABILITIES	VIEW DETAILS
REPORTED PHOTOMETRIC PERFORMANCE	VIEW DETAILS
REPORTED ELECTRICAL PERFORMANCE	VIEW DETAILS
TESTED PHOTOMETRIC PERFORMANCE	VIEW DETAILS
TESTED ELECTRICAL PERFORMANCE	VIEW DETAILS
PHOTOMETRIC IMAGES AND FILES	VIEW DETAILS
VERSION HISTORY	VIEW DETAILS

PRODUCT CATEGORIZATION VIEW DETAILS

## PRODUCT CAPABILITIES

Integral Controls ⓘ	Yes
Dimming Capability and Range ⓘ	Continuous Dimming above 10%
Integral Control Capability ⓘ	No Control Capability
Sensor Type ⓘ	Exterior Photocell,Sensor Receptacle,Occupancy Sensing
SSL V5 Wired Communication Protocol	0-10V Analog,DALI
SSL V5 Wireless Communication Protocol ⓘ	No Wireless Protocol
Field Adjustable Light Output	No
White-Tunable ⓘ	Yes
Warm-Dimming ⓘ	Yes
Field Adjustable Light Distribution ⓘ	No



现存的 SSL 控制选项

Wired Communication for a Single Control Point	0-10V ANSI C137 (9V)
Wired Communication Between Multiple Control Points ⓘ	DALI, DALI-2, DMX655
Wireless Communication Between Multiple Control Points ⓘ	BLE MDP v2, BLE Proprietary, Zigbee Certified Product, Zigbee 3.143
Integral Control Receptacle Standard	NEMA 7-pin
Minimum Dimming Level ⓘ	14.4 %

新的 LUNA 控制选项

REPORTED PHOTOMETRIC PERFORMANCE VIEW DETAILS

# 新的 LUNA 功能如何出现在 SSL 合格产品列表中



<b>Wired Communication for a Single Control Point</b>	0-10V ANSI C137 (9V)
<b>Wired Communication Between Multiple Control Points</b> ⓘ	DALI-2
<b>Wireless Communication Between Multiple Control Points</b> ⓘ	BLE MDP v2, BLE Proprietary, Zigbee Certified Product,
<b>Integral Control Receptacle Standard</b>	NEMA 7-pin
<b>Minimum Dimming Level</b> ⓘ	14.4 %

New LUNA Control Capabilities





# 如何找到 Luna 产品





# QPL 和下载

## Search the DLC Qualified Products Lists

The DLC Qualified Products Lists are the largest verified lists of high performing and energy saving LED lighting solutions in the world. Qualified products undergo thorough vetting and review by DLC experts to ensure they meet our rigorous energy and quality requirements. Choose between solid-state lighting products, horticultural lighting products, or networked lighting controls systems below to begin your search for energy efficient lighting solutions.



### Solid-State Lighting & LUNA

Search over 80 categories of indoor and outdoor commercial LED products, including options that minimize light pollution.

[Browse Qualified Products](#)

[Browse LUNA Qualified Products](#)



### Horticultural Lighting

Browse the greenest horticultural lighting fixtures on the market to capture energy and cost savings for your facility.

[Browse Qualified Products](#)



### Networked Lighting Controls

Find out what networked lighting controls can do for your facility while saving up to 50% more energy than LED lighting alone.

[Browse Qualified Products](#)

## Downloads

DLC Qualified Product Lists are updated daily and made available to paid subscribers using the following links:

### QPL

[Solid State Lighting & LUNA](#)

### Downloadable Files

- [SSL - Full QPL csv](#)
- [SSL - New Listings \(Last 30 Days\) csv](#)
- [SSL - Delisted \(Last 30 Days\) csv](#)

SSL Downloads will include SSL and LUNA properties



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# 新的 LUNA 筛选面板

## DLC Qualified Product Lists > Solid State Lighting

You have 0 saved items

Save Search Criteria View Saved Searches

Listed Products

SSL Technical Requirements Version

5.1  
 5.0

**LUNA Technical Requirements Version**  1.0

Classification (+)  
Category (+)  
General Application (+)  
Primary Use Designation (+)  
Manufacturer (+)  
Brand (+)  
Tested Performance Criteria (+)  
Reported Performance Criteria (+)  
Distribution and Glare Criteria (+)  
Control Features (+)

**LUNA Specific Control Features** (+)

RESET FILTERS

Search by model, manufacturer, brand, product ID, or family ID

Search Tip: For an exact search, use quotes around the search term (ex. "PVO5LXDK"). [View additional search tips](#)

Prev 1 2 3 4 5 6 7 Next

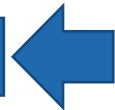
Displaying 1-25 of 173 results

Add All Results to My List

Grey shaded rows indicate parent products, which include tested data.

<b>AAAF SSL 20220329_133</b>	<input type="checkbox"/> Add to my list
<b>Manufacturer:</b> DLC <b>Brand:</b> Feldman Flux	<b>Primary Use:</b> Outdoor Full-Cutoff Wall-Mounted Area Luminaires <b>Product ID:</b> S-PMKBZC
<b>AAAF SSL 20220329_159</b>	<input type="checkbox"/> Add to my list
<b>Manufacturer:</b> DLC <b>Brand:</b> Feldman Flux	<b>Primary Use:</b> Fuel Pump Canopy Luminaires <b>Product ID:</b> S-TYL04A
<b>AAAF SSL 20220329_21</b>	<input type="checkbox"/> Add to my list
<b>Manufacturer:</b> DLC <b>Brand:</b> Feldman Flux	<b>Primary Use:</b> Fuel Pump Canopy Luminaires <b>Product ID:</b> S-3O7610
<b>AAAF SSL 20220329_53</b>	<input type="checkbox"/> Add to my list
<b>Manufacturer:</b> DLC <b>Brand:</b> Feldman Flux	<b>Primary Use:</b> Outdoor Pole/Arm-Mounted Area and Roadway Luminaires <b>Product ID:</b> S-9DVY4A
<b>AAAF SSL 20220329_15</b>	<input type="checkbox"/> Add to my list
<b>Manufacturer:</b> DLC <b>Brand:</b> Feldman Flux	<b>Primary Use:</b> Fuel Pump Canopy Luminaires <b>Product ID:</b> S-2MB07Y
<b>AAAF SSL 20220329_05</b>	<input type="checkbox"/> Add to my list
<b>Manufacturer:</b> DLC <b>Brand:</b> Feldman Flux	<b>Primary Use:</b> Outdoor Pole/Arm-Mounted Area and Roadway Luminaires <b>Product ID:</b> S-12S9QV

Filter for LUNA products



Filter for LUNA controls



# 新产品展示页面

标准版和高级版的新 LUNA 标志



新的 LUNA 图片

Product ID: S-PMKBZC

**DLC LISTED**  
**DLC LUNA**

**AAF SSL 20220329\_133**  
Manufacturer: DLC  
Brand: Feldman Flux

PRODUCT OVERVIEW	
Classification	Standard
Primary Use	Outdoor Full-Cutoff Wall-Mounted Area Luminaires
Reported Input Wattage	20 W
Reported Light Output	10000 lm
Reported CCT	2700 K
Reported CRI (Ra)	80
Product ID	S-PMKBZC
DLC Family Code	YHJFXQ
Listing Status	Listed
Date Qualified	2022-03-25

PRODUCT INFORMATION	
Qualified Product List	Solid State Lighting
Technical Requirements Version	5.1
<b>LUNA Technical Requirements Version</b>	<b>1.0</b>
Product ID	S-PMKBZC
Manufacturer	DLC
Brand	Feldman Flux
Model Number	AAF SSL 20220329_133

PRODUCT CATEGORIZATION	VIEW DETAILS
PRODUCT CAPABILITIES	VIEW DETAILS
REPORTED PHOTOMETRIC PERFORMANCE	VIEW DETAILS
REPORTED ELECTRICAL PERFORMANCE	VIEW DETAILS
TESTED PHOTOMETRIC PERFORMANCE	VIEW DETAILS
TESTED ELECTRICAL PERFORMANCE	VIEW DETAILS
<b>PHOTOMETRIC IMAGES AND FILES</b>	<b>VIEW DETAILS</b>

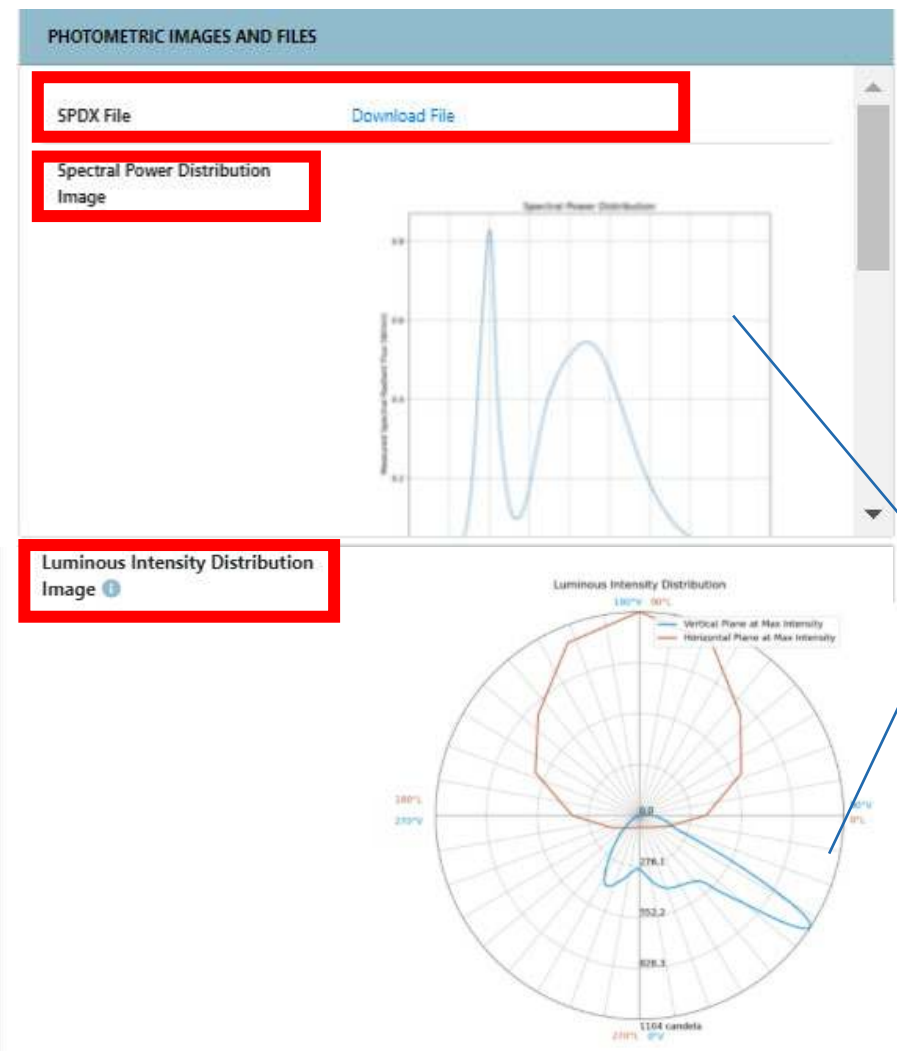
LUNA  
Technical  
Req



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# LUNA 光度学文件和图像

## For PARENT products



可下载的 SPDX 文件  
(TM-27)  
请确保删除机密信息

由网站上的提交者在  
myDLC 门户上生成并在提  
交期间上传到门户的图像

点击图片放大

## For CHILD products

PHOTOMETRIC IMAGES AND FILES	
Associated Spectral Power Distribution Parent ⓘ	<a href="#">S-E6C10D</a>
Associated Luminous Intensity Distribution Parent ⓘ	<a href="#">S-T0MZDO</a>



# 费用和审查时间表





# 审查时间表

- LUNA 评论的处理时间将比非 LUNA 更长
- LUNA 审核将增加 5 个工作日到审核时间

Application Type	Application Version	Initial Review	Comprehensive Review
Level 1 (formerly Single Product)	V5.1	9 Business Days	7 Business Days
Level 1 (formerly Single Product)	LUNA	14 Business Days	12 Business Days
Level 2 (formerly Family Grouping)	V5.1	9 Business Days	10 Business Days
Level 2 (formerly Family Grouping)	LUNA	14 Business Days	15 Business Days
Private Label	V5.1	--	12 Business Days**
Product Updates*	V5.1	9 Business Days	10 Business Days



# 申请费用

- 对于 **LUNA** 申请，单一产品申请 (**LEVEL 1**) 费用：
  - **\$375** for each additional independent test report (ITR) included in the LUNA application
  - **\$50** for each product qualified as LUNA
- 对于 **LUNA** 申请，家庭组产品申请 (**LEVEL 2**) 费用：
  - **\$375** for each additional independent test report (ITR) included in the LUNA application
  - **\$50** for each product qualified as LUNA
- **For PL LUNA applications,**
  - **\$325** for each Single Product Application (Level 1) fee or independent test report (ITR) included in the original application. Note that driver ISTMT reviews charged for the Premium classification count as an ITR.
  - **\$30** for each additional family member in the product group.
  - **\$50** for each product qualified as LUNA.

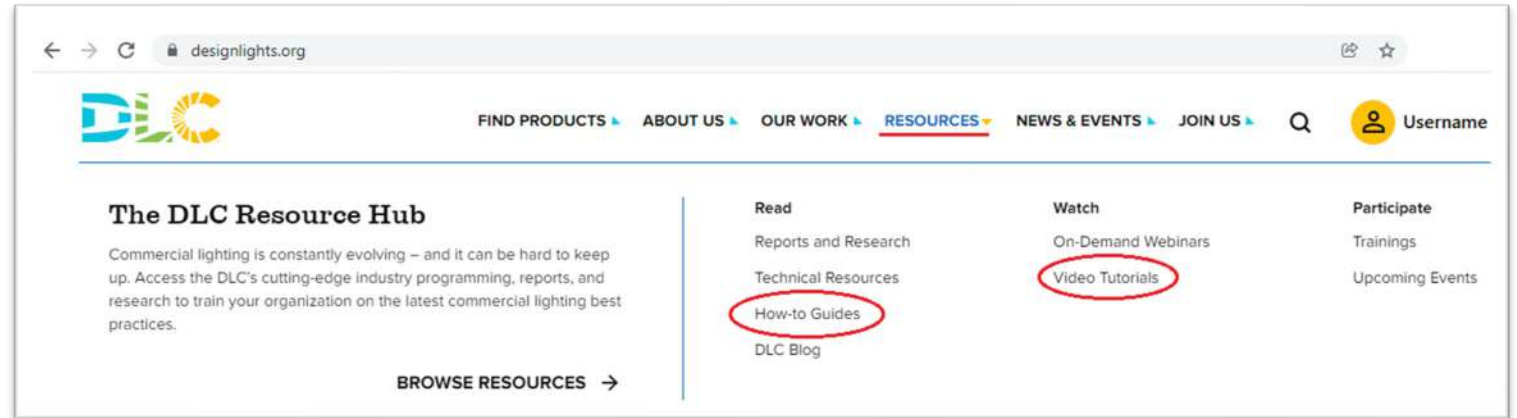


# Resources Available



# Resources Available

- Slides and recorded webinar will be **posted** on the *DLC website* [www.designlights.org](http://www.designlights.org) shortly after today's presentation
- Videos to assist with the portal transition will be located in the Resource Hub under How to Guides



# Find LUNA Requirements at designlights.org "OUR WORK"



FIND PRODUCTS ▾

ABOUT US ▾

**OUR WORK ▾**

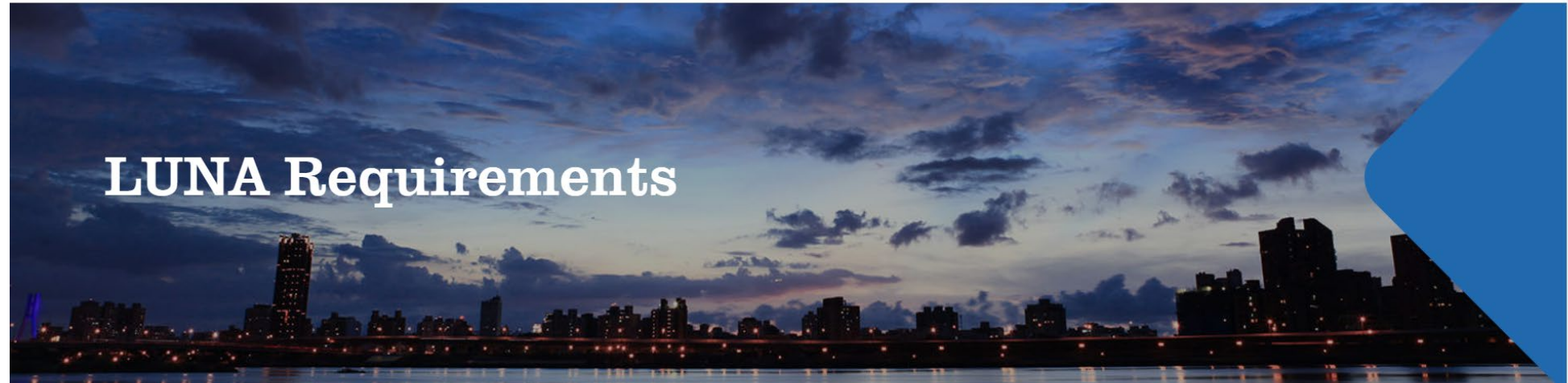
RESOURCES ▾

NEWS & EVENTS ▾

JOIN US ▾



MyDLC



## Addressing Light Pollution Alongside Energy Savings

The DLC's LUNA requirements establish criteria for using the highest quality outdoor lighting at night – lighting that minimizes light pollution, provides appropriate visibility for people, and limits negative impacts to the environment. In addition to the benefits that appropriate lighting can provide to our outdoor environment, there are also energy savings to be



Light pollution unnecessarily contributes to climate change.

[WHY LUNA? →](#)



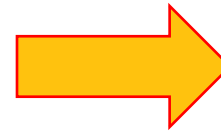
# 问答



# Webinar Logistics

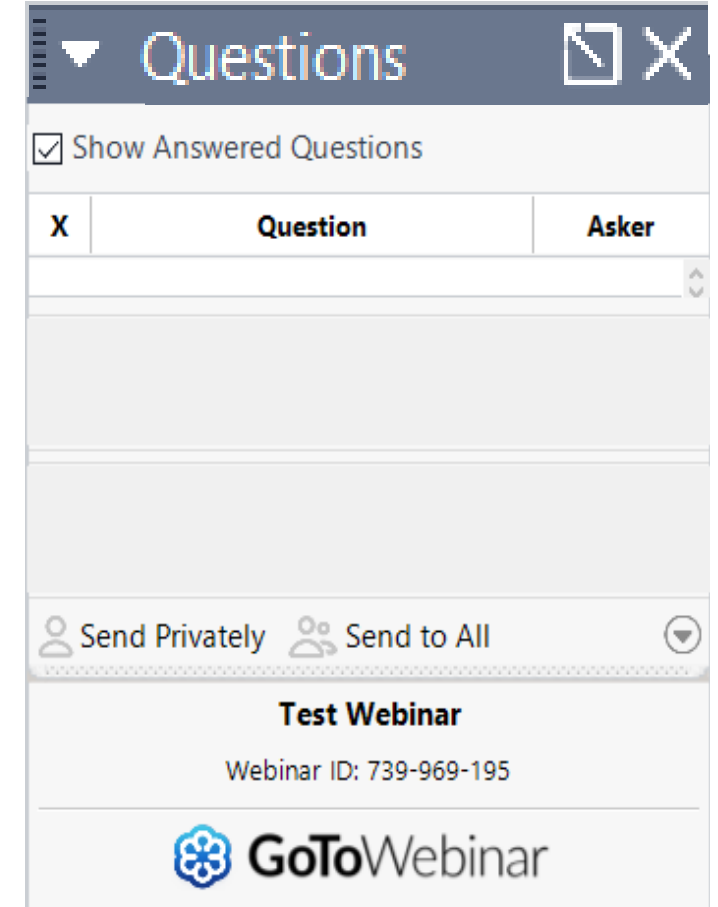
Please enter your questions in the Questions pane in GoToWebinar.

- Some questions answered in the Questions Pane
- Some questions answered aloud (anonymously) at the end during the Q&A session



All attendees are automatically muted

If you experience technical issues, please use the chat pane to let us know







**问题：请发送电子邮件至  
[applications@designlights.org](mailto:applications@designlights.org) !**



# DLC SUMMIT '22

May 24, 2022 • Boston, MA

Aloft Boston Seaport

## LIGHTING THE PATH TO A DECARBONIZED FUTURE

关键主题：

在减少对环境的影响的同时，推动节能  
讨论利益相关者的需求以及申请障碍  
将系统方法应用于新版本的 DLC 技术要求

### WHEN:

Welcome Reception May 23<sup>rd</sup> 4-6:00 pm  
DLC Summit Meeting May 24<sup>th</sup> 8:30 am-5:00 pm

### WHERE:

[Aloft Boston Seaport District](#)



Register by May 1<sup>st</sup> for Early Bird Rate!  
[designlights.org/events/2022-dlc-summit-meeting](https://designlights.org/events/2022-dlc-summit-meeting)

