



A rugged, side emitting marker light constructed from 316 marine grade stainless steel. This luminaire is ideal for pathways, pedestrian malls and other public spaces. Some models are also suitable for use in low speed traffic areas. The construction and technology used in this luminaire ensures a long service life.



Performance

Static White & Color <sup>1</sup>	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 3,000 K (80 CRI)	–	–	–
● 4,000 K (80 CRI)	–	–	–
● Blue	–	–	–
● Turtle Friendly <sup>2</sup>	–	–	–

<sup>1</sup> Static white lumen output values are based on a 2W luminaire with 1 aperture (2 x 120° lens).

<sup>2</sup> North American market only

<b>Beam Angles</b>	1 x 120°, 2 x 120°, 4 x 85°, 8 x 40°
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**Electrical**

<b>LED Power</b>	1 W, 2 W
<b>Consumption</b>	2.4 W (nominal for 2 W)
<b>Input Voltage</b>	Mains Voltage 100-277 Vac, 50/60 Hz Low Voltage 24 Vdc (International Market) 12-15 Vac, 12-24 Vdc (North American Market)

**Control**

<b>Protocols</b>	PWM (0-10 V to PWM, DMX to PWM and DALI to PWM converters available).
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**Physical**

<b>Housing</b>	Marine-grade 316 stainless steel
<b>Standard Inclusions</b>	<b>MicroAntiLeach™</b> wire entry
<b>Installation</b>	Pre-Installation Blockout – concrete pour and general use applications. Not for drive-over locations. Direct Burial – landscape, planters and special applications.
<b>Ambient Operating Temperature</b>	-4 °F to 122 °F (-20 °C to 50 °C)
<b>Surface Temperature</b>	≤149 °F (65 °C) <b>HumanTouch™</b> Compliant
<b>Weight</b>	4.5 lbs (2.0 kg)
<b>Effective Projected Area</b>	

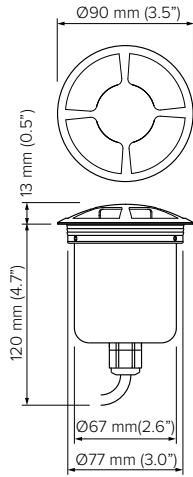
**Certification & Compliance**

<b>IP Rating</b>	IP68
<b>IK Rating</b>	IK10 (for eight aperture model)
<b>Static Load Rating<sup>1</sup></b>	One aperture 2,200 lbs (1,000 kg) Two aperture 2,200 lbs (1,000 kg) Three aperture 3,300 lbs (1,500 kg) Four aperture 4,400 lbs (2,000 kg)
<b>Environment</b>	Dry, Damp, Wet locations
<b>Certifications</b>	ETL, CE

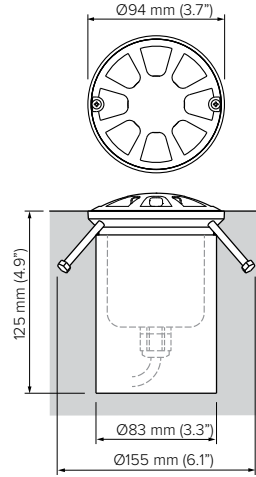
<sup>1</sup> Static load ratings are with pre-installation blockout LS698-K only.

Dimensions

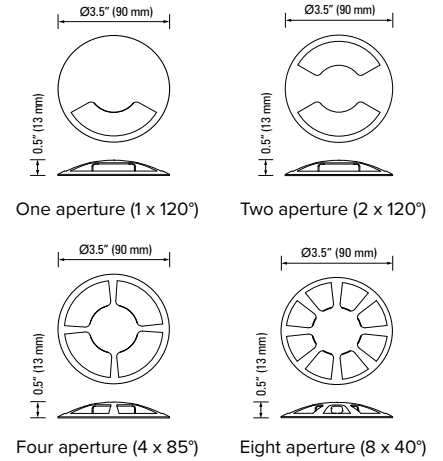
International Market



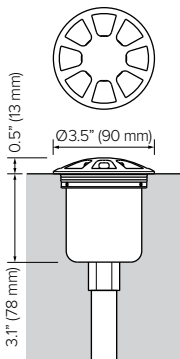
**Direct Burial**  
Complete with 3 m **MicroAntiLeach™** cable.



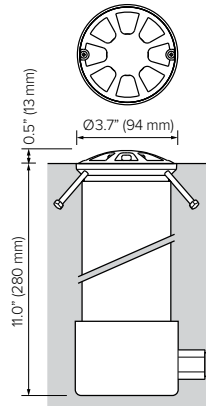
**Pre-Installation**  
Complete with LS698-K and 3m **MicroAntiLeach™** cable.



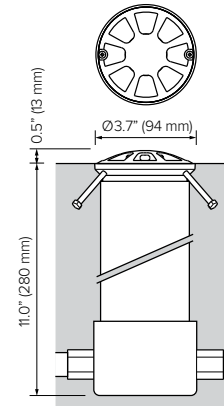
North America



**Direct Burial**  
½" NPT adaptor. Luminaire provided with 6.5 ft (2.0 m) hook-up wire.

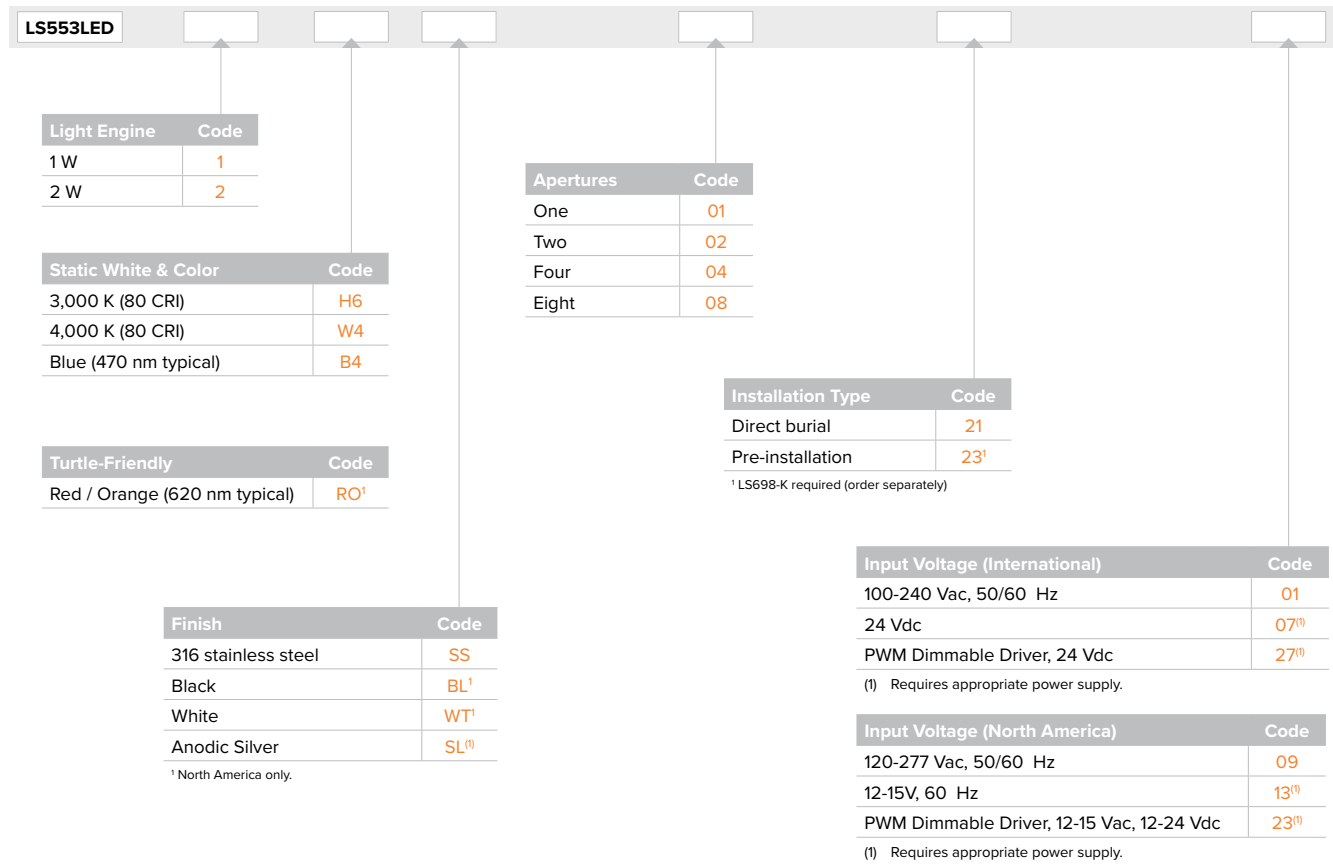


**Pre-Installation**  
Complete with LS698-K-82-1. ½" NPT adaptor. Luminaire supplied with 1 ft (0.3 m) hook-up wire.



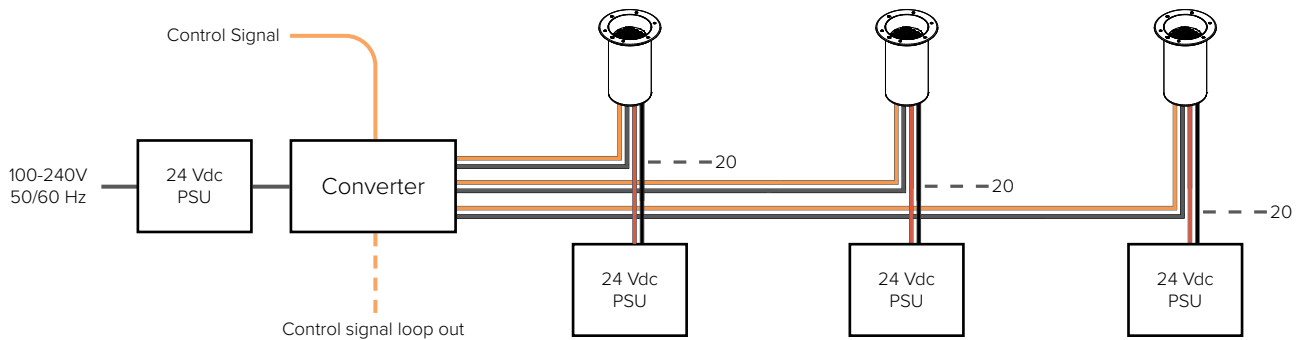
**Pre-Installation**  
Complete with LS698-K-82-2. 2 x ½" NPT adaptors. Luminaire supplied with 1 ft (0.3 m) hook-up wire.

Specification Matrix



Network Topology – Static Color (DMX / DALI)

International Market



Up to 20 luminaires per run under the following conditions:

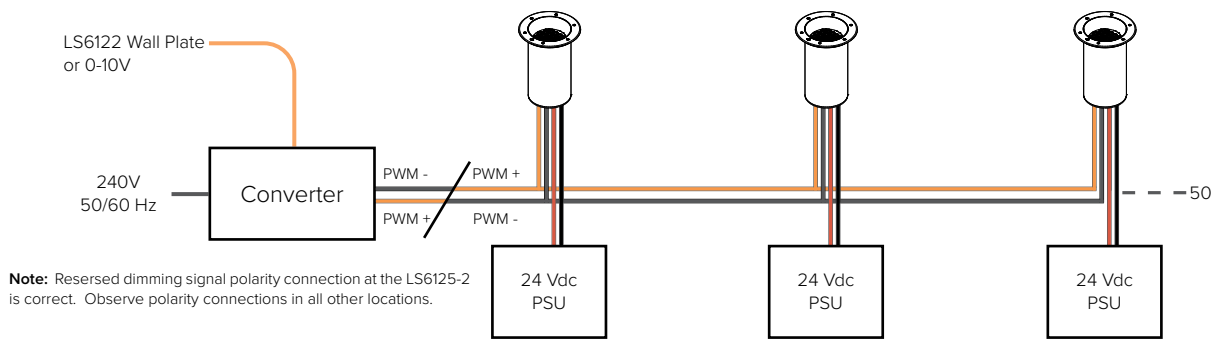
- Up to 20 luminaires addressed and controlled together
- Up to three (3) individually addressed dimmable channels
- Luminaires driven by integral LED drivers
- Luminaires powered through individual power supplies; or
- Single luminaires powered through LS67100 PWM controller only (up to 100W total)
- Refer to 'Maximum Circuit Load' table for circuit limitations
- Always observe local electrical codes for branch circuit current limitations

Control Protocols

DMX	For DMX control signal, use LS67100 DMX to PWM converter
DALI	For DALI control signal, use LSLED-RGBDIM-DALI converter

Network Topology – Static Color (0-10 V)

International Market



**Note:** Resersed dimming signal polarity connection at the LS6125-2 is correct. Observe polarity connections in all other locations.

Up to 50 luminaires per run under the following conditions:

- Stand alone static color dimming solution
- Up to 50 luminaires dimmed together
- Luminaires driven by integral LED drivers using LS6122 wall plate dimmer
- Luminaires powered through individual power supplies or shared power supplies
- Refer to 'Maximum Circuit Load' table for circuit limitations
- Always observe local electrical codes for branch circuit current limitations

Control Protocols

0-10 V

For 0-10 V control signal, use LS6125-2 0-10 V to PWM converter

Maximum Circuit Load

Compatibility with each driver is indicated by the value shown in the table, representing the maximum number of luminaires that may be powered from each driver based on a maximum cable run of 100m (328 ft) and a trunk cable size of 3.3mm<sup>2</sup>. **PLEASE NOTE:** This does not take into consideration voltage drop beyond a distance of 100m or ampacity limits of the branch circuit. For assistance, please consult Lumascape.

24 Vdc Power Supplies						
Input Voltage	90-305 Vac					
Output Voltage	24 Vdc					
Wattage	40W	120W	240W	320W	480W	600W
<b>LS553LED, 1W</b>	29	87	174	232	349	436
<b>LS553LED, 2W</b>	14	43	87	116	174	218

## Power Supply Specifications – DC Power Supplies

International Market

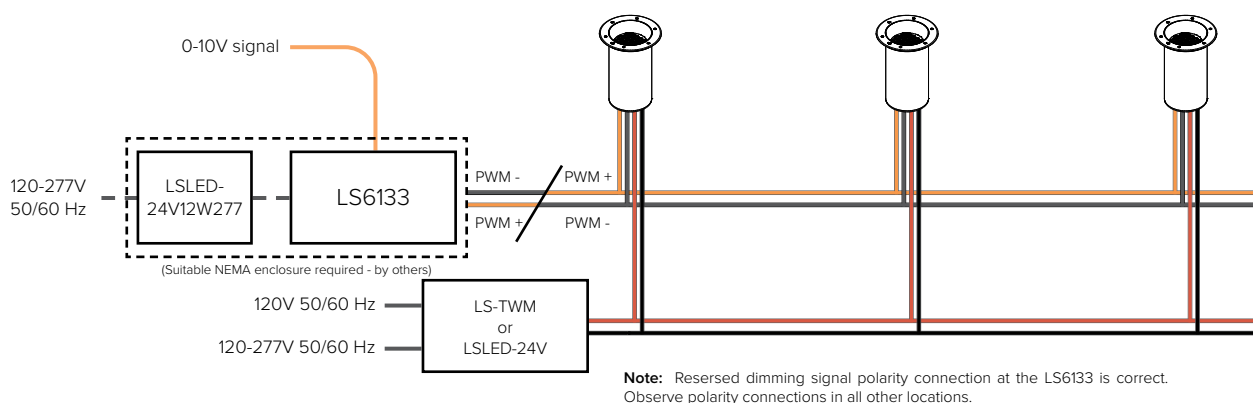
<b>LSLED40W-24V01</b>		<b>LSLED120W-24V01</b>	
Input	90-305 Vac, 50/60 Hz	Input	90-305 Vac, 50/60 Hz
Output	40W 24 Vdc	Output	120W, 24 Vdc
Ambient Temperature Rating	-40°C to 80°C	Ambient Temperature Rating	-40°C to 80°C
IP Rating	IP67	IP Rating	IP67
Short Circuit Protection	Yes	Short Circuit Protection	Yes
Open Circuit Protection	Yes	Open Circuit Protection	Yes
Protection Class	Class II	Protection Class	Class II
<b>LSLED240W-24V01</b>		<b>LSLED320W-24V01</b>	
Input	90-305 Vac, 50/60 Hz	Input	90-305 Vac, 50/60 Hz
Output	240W 24 Vdc	Output	320W 24 Vdc
Ambient Temperature Rating	-40°C to 80°C	Ambient Temperature Rating	-40°C to 80°C
IP Rating	IP67	IP Rating	IP67
Short Circuit Protection	Yes	Short Circuit Protection	Yes
Open Circuit Protection	Yes	Open Circuit Protection	Yes
Protection Class	Class II	Protection Class	Class II
<b>LSLED480W-24V01</b>		<b>LSLED600-24V01</b>	
Input	90-305 Vac, 50/60 Hz	Input	90-305 Vac, 50/60 Hz
Output	480W 24 Vdc	Output	600W 24 Vdc
Ambient Temperature Rating	-40°C to 90°C	Ambient Temperature Rating	-40°C to 90°C
IP Rating	IP67	IP Rating	IP67
Short Circuit Protection	Yes	Short Circuit Protection	Yes
Open Circuit Protection	Yes	Open Circuit Protection	Yes
Protection Class	Class II	Protection Class	Class II

## Control Related Equipment

<b>LS6125-2</b> 0-10 V to PWM Translator Wall-Mounted		<b>LS67100</b> DMX to PWM Translator	
Input	100-240 Vac, 50/60 Hz	Input	24 Vdc
Rating	20W / 0.83A	Rating	4 x 60 W maximum
Output	24 V	Output	4 x 2.5A maximum
Ambient Temperature Rating	-10°C to 50°C	Open Circuits	4
Open Circuits	1	Approvals	CE, UL
Control Protocol	0-10 V	IP Rating	IP65
Approvals	CE		
IP Rating	IP65/67		
<b>LSLED-RGBDIMDALI</b> DALI Converter			
Input	24 Vdc		
Rating	30W maximum		
Output	24 Vdc PWM (inverted)		
Ambient Temperature Rating	50°C		
Open Circuits	3		
Control Protocol	DMX512A, DALI, DSI, RDM		
Approvals	CE Ctick EN6137-1, EN61347-2-13, IEC 62384		
IP Rating	IP67		

**Network Topology – Static Color (0-10 V)**

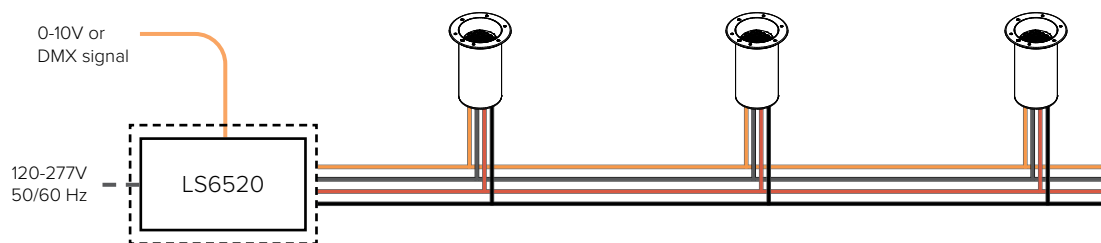
North America Market



**Control Protocols**

0-10 V For 0-10 V control signal use LS6133 0-10 V to PWM converter

**Network Topology – Static Color**



**Maximum Circuit Load**

Compatibility with each transformer or power supply is indicated by the value shown in the table, representing the maximum number of luminaires that may be powered from each transformer or power supply. Please note, this does not take into consideration voltage drop or ampacity limits of the branch circuit. In addition, dimming circuit total wire length must be kept under 328' (100m). For assistance, please contact Lumascope.

**Transformer / Power Supplies**

	LS-TWM-1-300	24 Vdc Power Supplies						LS6520		
Input Voltage	120V, 60 Hz	90-305 Vac						100-277V, 50/60 Hz		
Output Voltage	12/13/14V, 60 Hz	24 Vdc						24 Vdc		
Wattage	1 x 300W circuit	40W	120W	240W	320W	480W	600W	120W	240W	320W
<b>LS553LED, 1W</b>	96	29	87	174	232	349	436	72	145	195
<b>LS553LED, 2W</b>	54	14	43	87	116	174	218			



## Transformer / Power Supply Specifications – Class 2 LED

North America Market

<b>LSLED40W-24V09</b> Electronic DC Wall-Mounted	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	24 Vdc
<b>Efficiency</b>	86% typical
<b>Ambient Temperature Rating</b>	-40°F to 284°F (-40° to 80°C)
<b>Connections</b>	6 x ½" entries (3 in / 3 out)
<b>UL Classification</b>	UL 8750
<b>Location</b>	Dry / Damp location only
<b>IP Rating</b>	IP67

## Power Supply Specifications – Low Voltage DC

<b>LS6520</b> Power Unit for Wet Locations	
<b>Input</b>	100-277 V, 50/60 Hz
<b>Output</b>	24 V or 30 Vdc
<b>Output Circuits</b>	1
<b>Approvals</b>	UL 2108, CSA C22.2 No. 250.0
<b>Location</b>	Suitable for wet locations
<b>IP Rating</b>	IP65
<b>Weight</b>	13.2 lbs (6.0kg)

<b>LSLED40W-24V09</b>	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	40W 24 Vdc
<b>Ambient Temperature Rating</b>	-40°C to 80°C
<b>IP Rating</b>	IP67
<b>Short Circuit Protection</b>	Yes
<b>Open Circuit Protection</b>	Yes
<b>Protection Class</b>	Class II

<b>LSLED120W-24V09</b>	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	120W, 24 Vdc
<b>Ambient Temperature Rating</b>	-40°C to 80°C
<b>IP Rating</b>	IP67
<b>Short Circuit Protection</b>	Yes
<b>Open Circuit Protection</b>	Yes
<b>Protection Class</b>	Class II

<b>LSLED240W-24V09</b>	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	240W 24 Vdc
<b>Ambient Temperature Rating</b>	-40°C to 80°C
<b>IP Rating</b>	IP67
<b>Short Circuit Protection</b>	Yes
<b>Open Circuit Protection</b>	Yes
<b>Protection Class</b>	Class II

<b>LSLED320W-24V01</b>	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	320W 24 Vdc
<b>Ambient Temperature Rating</b>	-40°C to 80°C
<b>IP Rating</b>	IP67
<b>Short Circuit Protection</b>	Yes
<b>Open Circuit Protection</b>	Yes
<b>Protection Class</b>	Class II

<b>LSLED480W-24V01</b>	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	480W 24 Vdc
<b>Ambient Temperature Rating</b>	-40°C to 90°C
<b>IP Rating</b>	IP67
<b>Short Circuit Protection</b>	Yes
<b>Open Circuit Protection</b>	Yes
<b>Protection Class</b>	Class II

<b>LSLED600-24V01</b>	
<b>Input</b>	90-305 Vac, 50/60 Hz
<b>Output</b>	600W 24 Vdc
<b>Ambient Temperature Rating</b>	-40°C to 90°C
<b>IP Rating</b>	IP67
<b>Short Circuit Protection</b>	Yes
<b>Open Circuit Protection</b>	Yes
<b>Protection Class</b>	Class II

Transformers for Landscape Lighting Applications

North America Market

<b>LS-TWM-1-300</b> Magnetic Transformer Wall-Mounted	
<b>Input</b>	120 V
<b>Rating</b>	300W
<b>Output</b>	12-15 V
<b>Output Circuits</b>	1
<b>Protection</b>	Electrostatic shield, magnetic breaker
<b>Approvals</b>	UL, CUL
<b>NEMA Rating</b>	3R
<b>Construction</b>	Stainless Steel
<b>Weight</b>	27lbs (12.3kg)
<b>Dimensions</b>	<b>H</b> 17.6" x <b>W</b> 6.8" x <b>D</b> 6.19" ( <b>H</b> 447mm x <b>W</b> 173mm x <b>D</b> 157mm)

Control Related Equipment

<b>LS6133</b> 0-10 V to PWM Translator (NEMA enclosure required supplied by others)	
<b>Input</b>	24 Vdc
<b>Rating</b>	96 W maximum
<b>Output</b>	4A maximum
<b>Output Circuits</b>	1
<b>Approvals</b>	UL, CUL Recognised, Class 2
<b>IP Rating</b>	IP66
<b>Weight</b>	0.2lbs (0.1kg)
<b>Dimensions</b>	<b>H</b> 5.2" x <b>W</b> 1.3" x <b>D</b> 1.0" ( <b>H</b> 132mm x <b>W</b> 33mm x <b>D</b> 25mm)

<b>LSLED-24V12W277</b> Electronic DC Power Supply (NEMA enclosure required supplied by others)	
<b>Input</b>	120-277 V, 50/60 Hz
<b>Rating</b>	12W / 0.5A
<b>Output</b>	24 Vdc
<b>Output Circuits</b>	1
<b>Approvals</b>	UL, CUL Recognised, Class 2
<b>IP Rating</b>	IP66
<b>Location</b>	Wet location
<b>Weight</b>	0.282lbs (0.1kg)
<b>Dimensions</b>	<b>H</b> 3.35" x <b>W</b> 1.42" x <b>D</b> 0.91" ( <b>H</b> 85mm x <b>W</b> 36mm x <b>D</b> 23mm)