



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 ¹	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
● 3,000 K (80 CRI)	—	—	—
● 4,000 K (80 CRI)	—	—	—
● Blue	—	—	—
● Turtle Friendly ²	—	—	—

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

² North American market only

Beam Angles	1 x 120°, 2 x 120°, 4 x 85°, 8 x 40°
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Electrical

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

Control

Protocols	PWM (0-10 V to PWM, DMX to PWM and DALI to PWM converters available).
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Physical

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

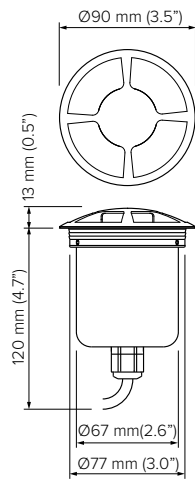
Certification & Compliance

IP Rating	IP68
IK Rating	IK10 (for eight aperture model)
Static Load Rating¹	One aperture 2,200 lbs (1,000 kg) Two aperture 2,200 lbs (1,000 kg) Four aperture 3,300 lbs (1,500 kg) Eight aperture 4,400 lbs (2,000 kg)
Environment	Dry, Damp, Wet locations
Certifications	ETL, CE

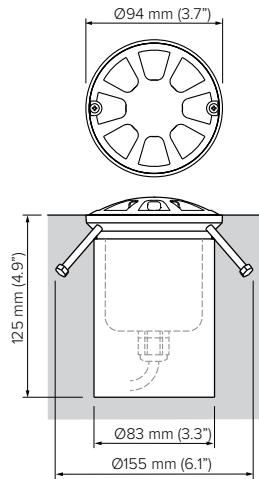
¹ Static load ratings are with pre-installation blockout LS698-K only.

Dimensions

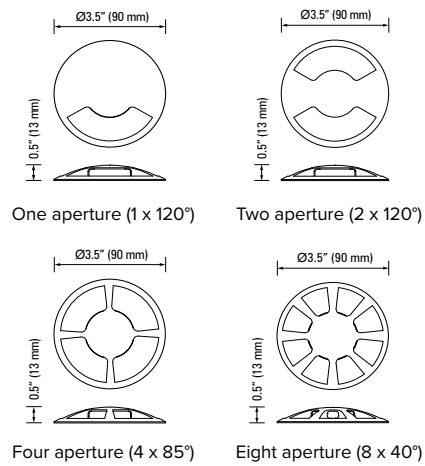
International Market



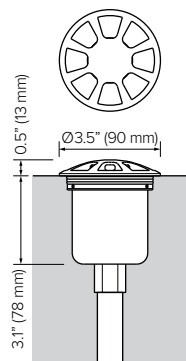
Direct Burial
Complete with 3 m **MicroAntiLeach™** cable.



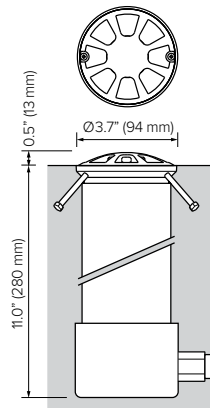
Pre-Installation
Complete with LS698-K and 3m **MicroAntiLeach™** cable.



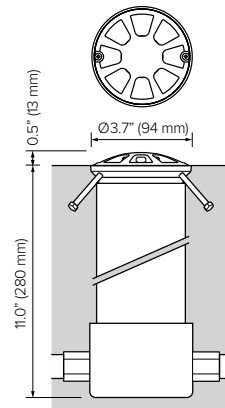
North America



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

LS553LED

Light Engine

Code

1 W

1

2 W

2

Static White & Color

Code

3,000 K (80 CRI)

H6

4,000 K (80 CRI)

W4

Blue (470 nm typical)

B4

Turtle-Friendly

Code

Red / Orange (620 nm typical)

RO¹

Finish

Code

316 stainless steel

SS

Black

BL¹

White

WT¹

Anodic Silver

SL⁽¹⁾

¹ North America only.

Apertures

Code

One

01

Two

02

Four

04

Eight

08

Installation Type

Code

Direct burial

21

Pre-installation

23¹

¹ LS698-K required (order separately)

Input Voltage (International)

Code

100-240 Vac, 50/60 Hz

01

24 Vdc

07⁽¹⁾

PWM Dimmable Driver, 24 Vdc

27⁽¹⁾

(1) Requires appropriate power supply.

Input Voltage (North America)

Code

120-277 Vac, 50/60 Hz

09

12-15V, 60 Hz

13⁽¹⁾

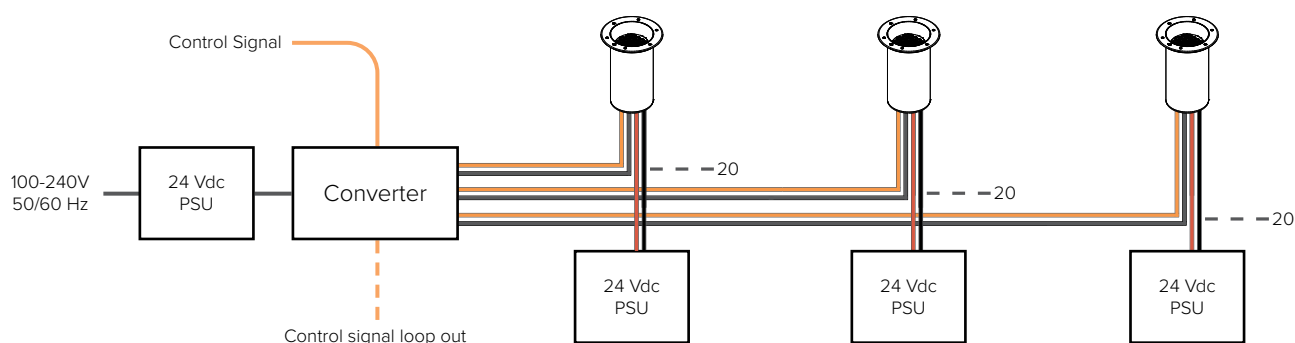
PWM Dimmable Driver, 12-15 Vac, 12-24 Vdc

23⁽¹⁾

(1) Requires appropriate power supply.

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

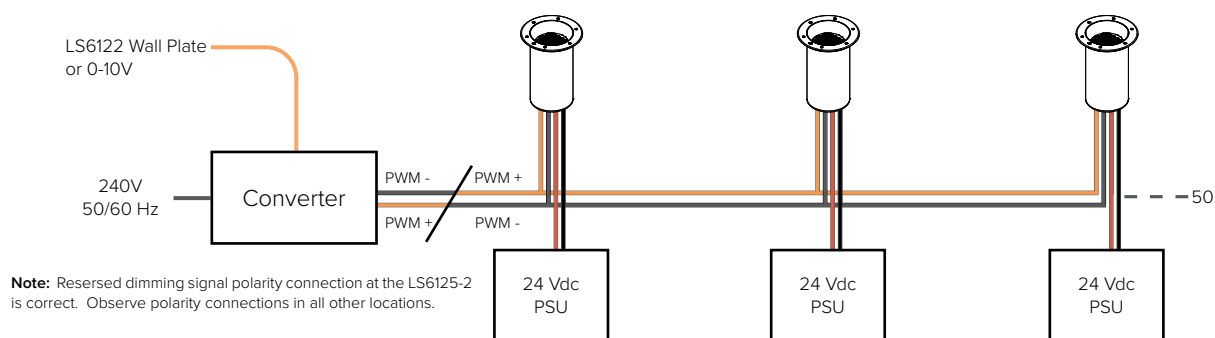
For DMX control signal, use LS67100 DMX to PWM converter

DALI

For DALI control signal, use LSLED-RGBDIM-DALI converter

Network Topology – Static Color (0-10 V)

International Market

**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 3.3mm². **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
LS553LED, 1W	29	87	174	232	349	436
LS553LED, 2W	14	43	87	116	174	218

Power Supply Specifications – DC Power Supplies

International Market

LSLED40W-24V01		LSLED120W-24V01	
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

LSLED240W-24V01		LSLED320W-24V01	
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

LSLED480W-24V01		LSLED600W-24V01	
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

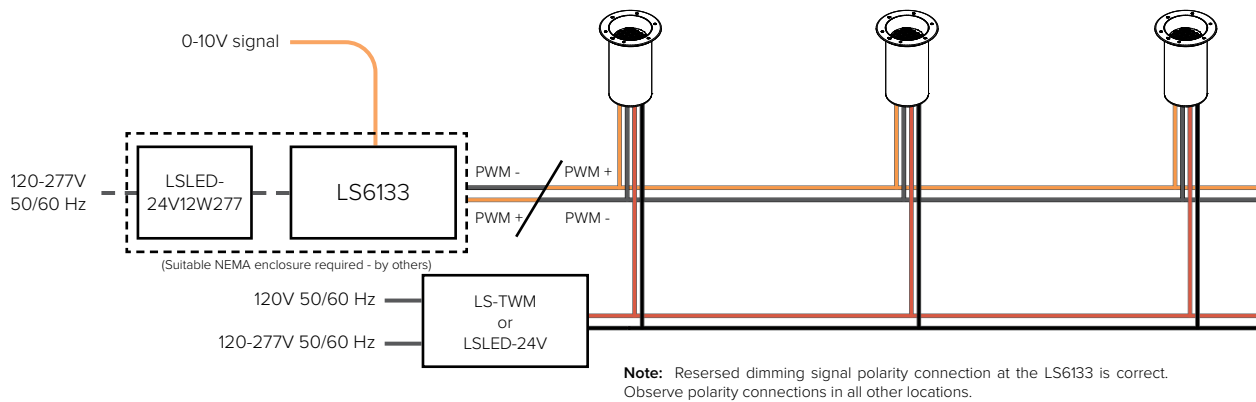
Control Related Equipment

LS6125-2 0-10 V to PWM Translator Wall-Mounted		LS67100 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		

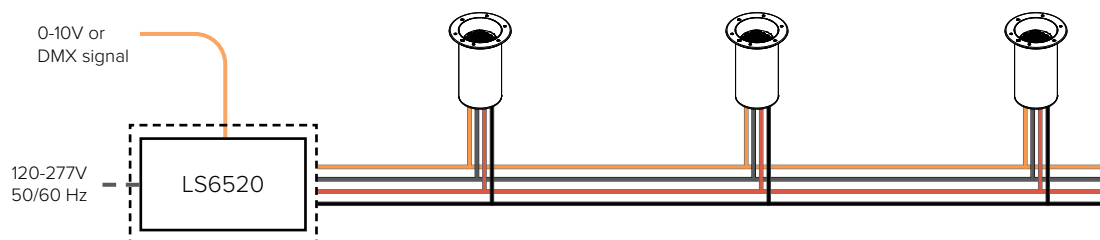
LSLED-RGBDIMDALI DALI Converter	
Input	24 Vdc
Rating	30W maximum
Output	24 Vdc PWM (inverted)
Ambient Temperature Rating	50°C
Open Circuits	3
Control Protocol	DMX512A, DALI, DSI, RDM
Approvals	CE Click EN6137-1, EN61347-2-13, IEC 62384
IP Rating	IP67

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
LS553LED, 1W	96	29	87	174	232	349	436	72	145	195
LS553LED, 2W	54	14	43	87	116	174	218			

Transformer / Power Supply Specifications – Class 2 LED

North America Market

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

Power Supply Specifications – Low Voltage DC

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

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

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

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

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

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

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

Transformers for Landscape Lighting Applications

North America Market

LS-TWM-1-300 Magnetic Transformer Wall-Mounted

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

Control Related Equipment

LS6133 0-10 V to PWM Translator
(NEMA enclosure required supplied by others)

Input	24 Vdc
Rating	96 W maximum
Output	4A maximum
Output Circuits	1
Approvals	UL, CUL Recognised, Class 2
IP Rating	IP66
Weight	0.2lbs (0.1kg)
Dimensions	H 5.2" x W 1.3" x D 1.0" (H 132mm x W 33mm x D 25mm)

LSLED-24V12W277 Electronic DC Power Supply
(NEMA enclosure required supplied by others)

Input	120-277 V, 50/60 Hz
Rating	12W / 0.5A
Output	24 Vdc
Output Circuits	1
Approvals	UL, CUL Recognised, Class 2
IP Rating	IP66
Location	Wet location
Weight	0.282lbs (0.1kg)
Dimensions	H 3.35" x W 1.42" x D 0.91" (H 85mm x W 36mm x D 23mm)