An intelligent, ultra high-output marker light with a simple yet elegant design. that allows for easy and rapid installation. The plug and play electrical connections enhance the quick and easy installation process by preventing incorrect connections. Leader cables of up to 164 ft (50 m) give greater flexibility during installation as power supplies and control equipment can be housed well away from the luminaires. High-quality LEDs achieve high-intensity beautiful, rich and vibrant colors. From highlighting architectural elements to super-smooth crossfades and color flows.

Performance

Static White & Color	Transparent Flat Lens		Diffused Dome Lens	
	Lumen Output (lm)	Efficacy (lm/W)	Lumen Output (lm)	Efficacy (lm/W)
⬤ 2,700 K (80 CRI)	2,260	126	1,490	83
⬤ 3,000 K (80 CRI)	2,440	136	1,610	89
◯ 3,500 K (80 CRI)	2,100	117	1,390	77
⬤ 4,000 K (80 CRI)	2,440	136	1,610	89
⬤ 5,000 K (80 CRI)	1,950	108	1,290	72
🔴 Red	850	47	560	31
🟢 Green	2,430	135	1,600	89
🔵 Royal Blue	370	21	240	13

Dynamic Color	Transparent Flat Lens		Diffused Dome Lens	
	Lumen Output (lm)	Efficacy (lm/W)	Lumen Output (lm)	Efficacy (lm/W)
🎨 RGBA	1,430	79	950	53
🎨 RGBW with Royal Blue	1,640	91	1,080	60

Tunable White	Transparent Flat Lens		Diffused Dome Lens	
	Lumen Output (lm)	Efficacy (lm/W)	Lumen Output (lm)	Efficacy (lm/W)
🟡 2,700 K - 6,500 K	2,450	136	1,610	89

powersync™ easyglow™ cooldrive™

ETL Intertek CE

Electrical

LED Power	16 W
Optics	Transparent Flat Lens or Diffused Domed Lens
Power Consumption	≤20 W
Lifetime (L70)	>60,000 hrs (B10, L70, TM21)
Input Voltage	30-48 Vdc
Thermal Management	**CoolDrive**™ onboard thermal monitoring and control

Control

Interface	Lumascape **PowerSync**™
Protocols[1]	DMX / RDM, Artnet, PWM[2], sACN, 0 - 10 V (sink or source)[2], Phase-Dimming[2]
PWM Frequency	2 kHz flicker-free dimming to 0.1%
Systems	Range of third-party controllers

[1] Some protocols require additional hardware. For more information and other available protocols contact Lumascape.

[2] Not available for color-changing or tunable white.

Physical

Housing	Marine-grade die cast aluminum with UV protected and stabilized polymer diffuser
Finish	Superior 9-step powder-coating process, including marine-grade epoxy undercoat and polyester top coat
Installation	Surface-mounted
Ambient Operating Temperature	-40° F to 122° F (-40° C to 50° C)
Surface Temperature	≤122° F (50° C)
Weight	3.5 lbs (1.6 kg)
Effective Projected Area	Flat Lens; 0.1 ft^2 (84.5 cm^2) Dome Lens; 0.1 ft^2 (106 cm^2)

Certification & Compliance

IP Rating	IP66 / IP67 (Passes IP68 Test)
IK Rating	IK10
Environment	Dry, Damp, Wet locations
Certifications	ETL, CE, RCM

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Dimensions

Transparent Flat Lens

Front View

2.7" (68 mm)

Top View

Ø5.5" (139 mm)
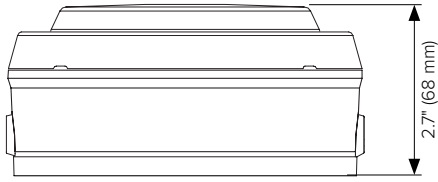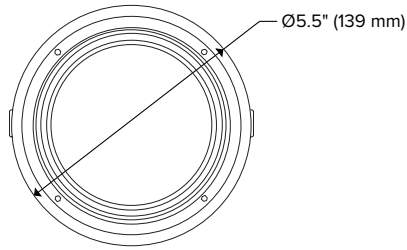
Diffused Dome Lens

Front View

4.1" (150 mm)

Top View

Ø5.5" (139 mm)
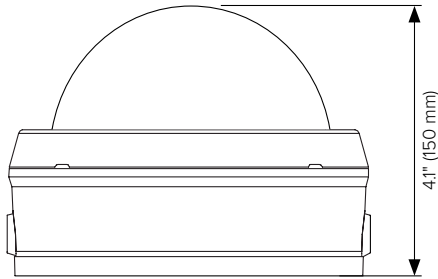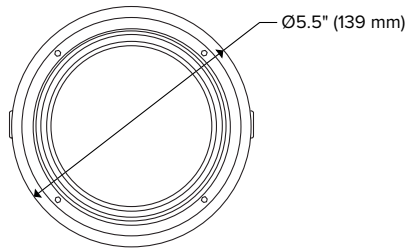
Luminaire Connection Type

Connectorized
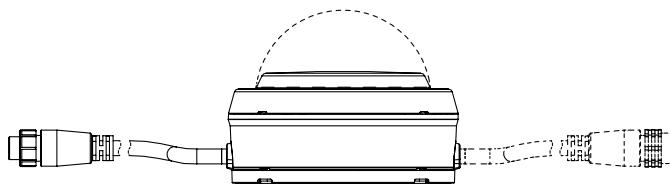
Side Entry

Bottom Entry

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Specification Matrix

| LS9260 | – | 16D | [ ] | [ ] | [ ] | [ ] | [ ] | [ ] | [ ] |

Light Engine	Code
16 W	16D

Static White & Color	Code
2,700 K (80 CRI)	827
3,000 K (80 CRI)	830
3,500 K (80 CRI)	835
4,000 K (80 CRI)	840
5,000 K (80 CRI)	850
Red	RED
Green	GRN
Royal Blue	RBL

Dynamic Color	Code
RGBA	4CA
RGBW with Royal Blue	4BW

Tunable White	Code
2,700 K – 6,500 K	2WT

Connection Type	Code
Flexible single entry cable for hardwired installations	84
Flexible entry/exit cables for hardwired installations	83[1]
Flexible single entry cable, for connectorized installations	67
Flexible entry / exit cables for connectorized installations	63
Hookup wire for hardwired installations	82[2]

[1] For International Market
[2] For North American Market

Optics	Code
Flat Lens – Clear	DF
Domed Lens – Diffused	DC

Cable Entry	Code
Side	N
Bottom	Q

Input Voltage	Code
30-48 Vdc	07[1]
30-48 Vdc	13[2]

[1] For Internation Market
[2] For North American Market

Control	Code
Non-dimmable	ND[1]
PowerSync™	PS[2]

[1] For single color, non-dimming applications.
[2] Required on all dimming and color-changing applications. LS6550 LV PowerSync™ Data Injector required (order sperately).

Finish	Code
Black	BL
Anthracite Grey	AG
Basalt Grey	BT
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC[1]

[1] RAL color required

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Network Topology - PowerSync™ Low Voltage

DMX

120-277 Vac
50/60 Hz

Power Supply
(PSU)

48 Vdc
up to 600 W

LS6550
PowerSync™
Data Injector

T

Leader Cable
164 ft (50 m)
maximum

Maximum 20 Luminaires Per Run

Maximum Total Run Length 229 ft (70 m)
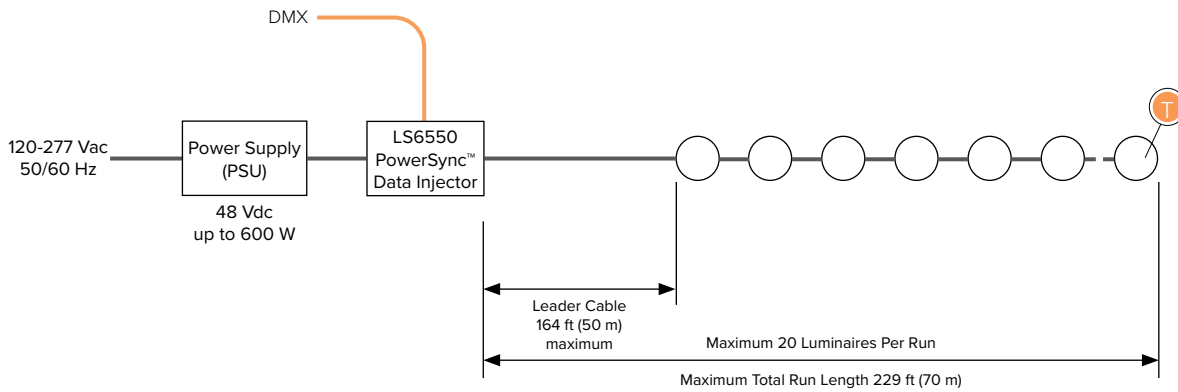
T **Terminator**

Use PowerSync™ terminator, supplied with leader cable to terminate last luminaire in chain.

I **Maximum Current**

Maximum current through cables and connectors supplied by Lumascape:
≤12.8 A – Installations in North American Market (UL, ETL)
≤16 A – Installations in International Market (CE, CCC)

◉ **Connection Type**

Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

Up to 20 luminaires per 48 V PowerSync™ circuit / LS6550 Low Voltage PowerSync™ Data Injector
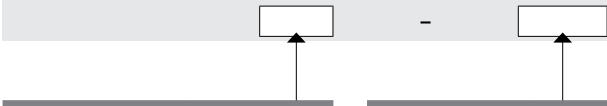
Maximum Circuit Loading - Single Run						
LED Power	**Max Leader Cable Length from LS6550 to first fitting**	**Maximum number of luminaires per 48V Power Supply**				
		120 W	**240 W**	**320 W**	**480 W**	**600 W**
20 W	50 ft / 15 m	4	9	12	17	20
	98 ft / 30 m	4	9	11	16	18
	164 ft / 50 m	4	8	10	14	15

Values in the above table show the maximum circuit loading per 48V circuit.
Values are based on 1.2 m (4.0 ft) spacing. Smaller spacing may effect the circuit loading.
Extended fixture cables, inclusion of jumper cables, or longer leader cable will effect loading.
Circuits can be made up of up to 20 fixtures, up to the maximum circuit loading in the table above.
Circuits are limited to maximum 12.8A.
For non-continuous runs, contact Lumascape for details.

PowerSync™ Connectorized Accessories

Leader Cables – PowerSync™ Low Voltage (For Connection Type 63 or 67 Only)

3-core 16 AWG / 1.5mm^2 for use in CE/CCC and UL installations. Compatible with all uminaires with Type 63 or 67 connectorized supply cable options. Supplied fitted with an IP68 connector for pairing with the first connectorized luminaire in a Powersync™4, Low Voltage circuit. Comes complete with a matching End of Circuit, Powersync™4, low voltage terminator plug.
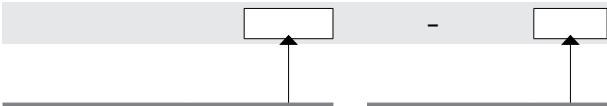
		–	

Cable Type	Code
1.5 mm^2	LS6426

Length	Code
10 ft (3 m)	010
16 ft (5 m)	016
50 ft (15 m)	050
66 ft (20 m)	066
98 ft (30 m)	098

Jumper Cables – PowerSync™ Low Voltage (For Connection Type 63 or 67 Only)

3-core 16 AWG / 1.5 mm^2 for use in CE/CCC and UL installations. Compatible with all Luminaires with Type 63 or 67 connectorized supply cable options. Supplied fitted with an IP68 connectors for joining between connectorized luminaires in a Powersync™4, low voltage circuit.

		–	

Cable Type	Code
1.5 mm^2	LS6427

Length	Code
1 ft (0.3 m)	001
2 ft (0.6 m)	002
3 ft (1 m)	003
6 ft (2 m)	006
16 ft (5 m)	016
33 ft (10 m)	033
50 ft (15 m)	050
66 ft (20 m)	066
98 ft (30 m)	098

Terminator (Hardwired Installation)

Used in hardwired PowerSync™ installations.

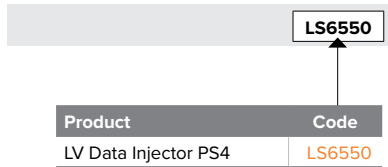| Terminator	Code
PowerSync™ Terminator Connectorized, Low Voltage (CCC, CE, UL)	LS6437

Note:

Terminator ships with every **LS6540** PowerSync Data Injector. Order separately for spare parts only.

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PowerSync™ Connectorized Accessories

Low Voltage PowerSync™ Data Injector
Translates control signals into a digital format, delivering integral power and data to intelligent LED luminaires. This allows highly-granular addressing and high-speed digital control of every luminaire, using only three wires. The data injector is DIN rail mountable designed to be installed in a switchboard, next to the power supply and circuit breaker that is supplying power to the controlled lighting circuit.

LS6550

Product	Code
LV Data Injector PS4	LS6550

Note:

PowerSync™ Data Injector ships with three (3) hardwired PowerSync terminators and one (1) hardwired DMX terminator.

Wire Colors & Designations

Low Voltage

Designation	Color
Positive	Red
Negative	Black
Data	Orange