



The Quadralux Q8 is a very-high powered architectural-grade spotlight that combines technology and performance in a modern form factor. Packed with features including **EasyGlow™** visual comfort, and **CoolDrive™** thermal management technologies. **PowerSync™** allows for highly granular digital control via common protocols. Unique and flexible mounting with glare control accessories enable installation in multiple orientations. Designer optics, provide superb color-over-angle consistency and color blending even at close distances. Available in white, color-changing and tunable white light engines.

Up to 1.3 Million Candela

Performance

Static White & Color <sup>1</sup>	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
■ 2,700 K (80 CRI)	14,870	91	313,600
■ 3,000 K (80 CRI)	15,590	96	329,100
□ 3,500 K (80 CRI)	16,800	101	365,500
■ 4,000 K (80 CRI)	16,760	102	349,500
■ 5,000 K (70 CRI)	15,170	93	315,800

<sup>1</sup> Lumen output values are based on a 10° lens

Dynamic Color <sup>2</sup>	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
■ RGBA	9,430	62	185,600
■ RGBW (4,000 K) with Royal Blue*	8,350	55	165,000

<sup>2</sup> Lumen output values based on a 10° lens

Tunable White <sup>3</sup>	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
■ 2,700 K – 6,500 K	15,710	96	331,400

<sup>3</sup> Lumen output values based on a 10° lens

4.5° Beam Angle (VN Option)

Static White & Color <sup>1</sup>	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
■ 2,700 K (80 CRI)	11,640	69	1,144,900
■ 3,000 K (80 CRI)	12,140	72	1,193,600
□ 3,500 K (80 CRI)	13,130	78	1,291,000
■ 4,000 K (80 CRI)	13,130	78	1,291,000
■ 5,000 K (70 CRI)	12,140	72	1,193,600

<sup>1</sup> Lumen output values are based on a 4.5° lens

<b>Beam Angles</b>	4.5°, 5°, 10°, 15°, 30°, 45°, 65°, 10° x 40°, 40° x 10°, 10° x 60° 60° x 10°, 20° x 40° 40° x 20°, 20° x 60°, 60° x 20°
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\* NOTE:

The default RGBW colors have recently changed to the RGBW with Royal Blue (4BW code). These colors will not match existing products with the earlier RGBW with Mid-Blue (4CW code). Contact Lumascape for custom LED Colors.



Products and specifications are subject to change without notice. LS9180-230310

### Electrical

<b>Power Consumption</b>	≤ 160 W
<b>Lifetime</b>	>60,000 hrs (B10, L70, TM21 Reported)
<b>Input Voltage</b>	International 220 to 240 Vac, 50 Hz North America 120/277 Vac, 60 Hz
<b>Earth Leakage</b>	0.3 mA @ 120 Vac, 0.4 mA @ 240 Vac, 0.6 mA @ 277 Vac
<b>Thermal Management</b>	CoolDrive™ onboard thermal monitoring and control

### Control

<b>Interface</b>	Lumascap <b>PowerSync</b> ®
<b>Protocols<sup>1</sup></b>	DMX/RDM, Artnet, PWM <sup>2</sup> , 0-10 V (sink or source) <sup>2</sup>
<b>PWM Frequency</b>	2 kHz flicker-free dimming to 0.1%
<b>RDM Functionality</b>	PowerSync enabled Lumascap luminaires are shipped with a default RDM personality which provides smooth dimming control. For different dimming characteristics or to enable other special functionalities, the default personality can be changed through industry standard DMX/RDM.
<b>Systems</b>	Range of third-party controllers

<sup>1</sup> Some protocols require additional hardware. For more information and other available protocols contact Lumascap.

<sup>2</sup> Not available for color-changing or tunable white

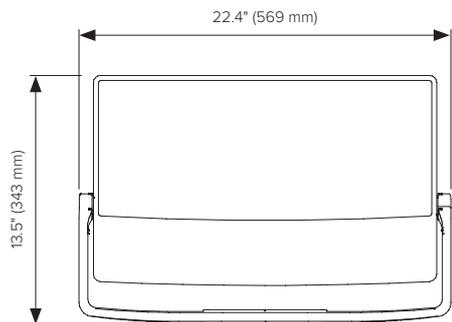
### Physical

<b>Housing</b>	Marine-grade die-cast aluminum, tempered glass lens, isolated stainless-steel fasteners, adjustable mounting yoke (lockable) with mounting surface galvanic isolator
<b>Finish</b>	Superior 9-step powder-coating process, including marine-grade epoxy undercoat and polyester top-coat
<b>Installation</b>	Surface-mounted with included galvanic isolator
<b>Adjustable</b>	Adjustable mounting yoke
<b>Ambient Operating Temperature</b>	-40°F to 122°F (-40°C to 50°C)
<b>Surface Temperature</b>	≤138°F (59°C)
<b>Weight</b>	28.6 lb (13.0 kg)
<b>Effective Projected Area</b>	1.2 ft <sup>2</sup> (0.1 m <sup>2</sup> )

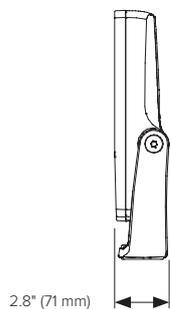
### Certification & Compliance

<b>IP Rating</b>	IP66 / IP67 (Passes IP68 test)
<b>IK Rating</b>	IK10
<b>Vibration Resistance</b>	3G Rating (ANSI C136.31) <i>With optional 3G Bracket</i>
<b>Environment</b>	Dry, Damp, Wet locations
<b>Certifications</b>	ETL, CE, UKCA, RCM, FCC

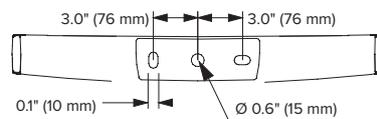
Dimensions



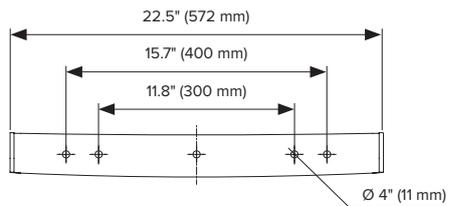
Front View



Side View



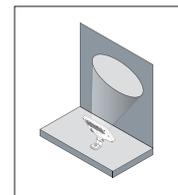
Standard Bracket



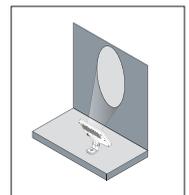
Optional 3G Bracket

Specification Matrix

LS9180	-	150D							PS		006																																																																																																																				
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Beam Orientation for "LH", "NH", "MH" and "WH"



Beam Orientation for "LV", "NV", "MV" and "WV"

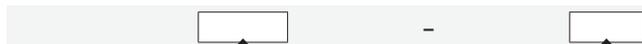
Accessories

Shielding & Glare Control

A range of shielding and glare control accessories are available to suit the Quadralux Q8 Spotlight.



Specification Matrix



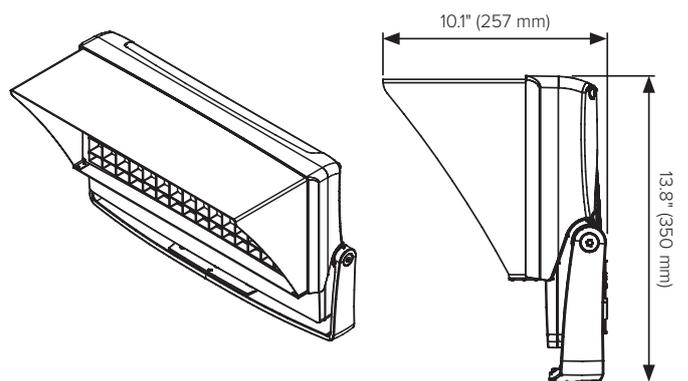
Louver Length	Code
Accessory Holder	LS6226
45° Visor	LS6228

Custom Visors are available on request. Contact Lumascape for more information.

Finish	Code
Black	BL
Anthracite Gray	AG
Basalt Gray	BT
Graphite Gray	GH
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC <sup>1</sup>

<sup>1</sup>RAL color required

Technical Drawings



Mounting Accessories

**Pole Clamp** (3G bracket must be used when using this mounting option)

Provides an easy method of installing the fixture onto a pole, while retaining full aiming and adjustability. Available in 4.0" (102 mm), 4.5" (114 mm) and 5.0" (127 mm) options.



**NOTE:**

3G Bracket **MUST** be used when using this mounting option

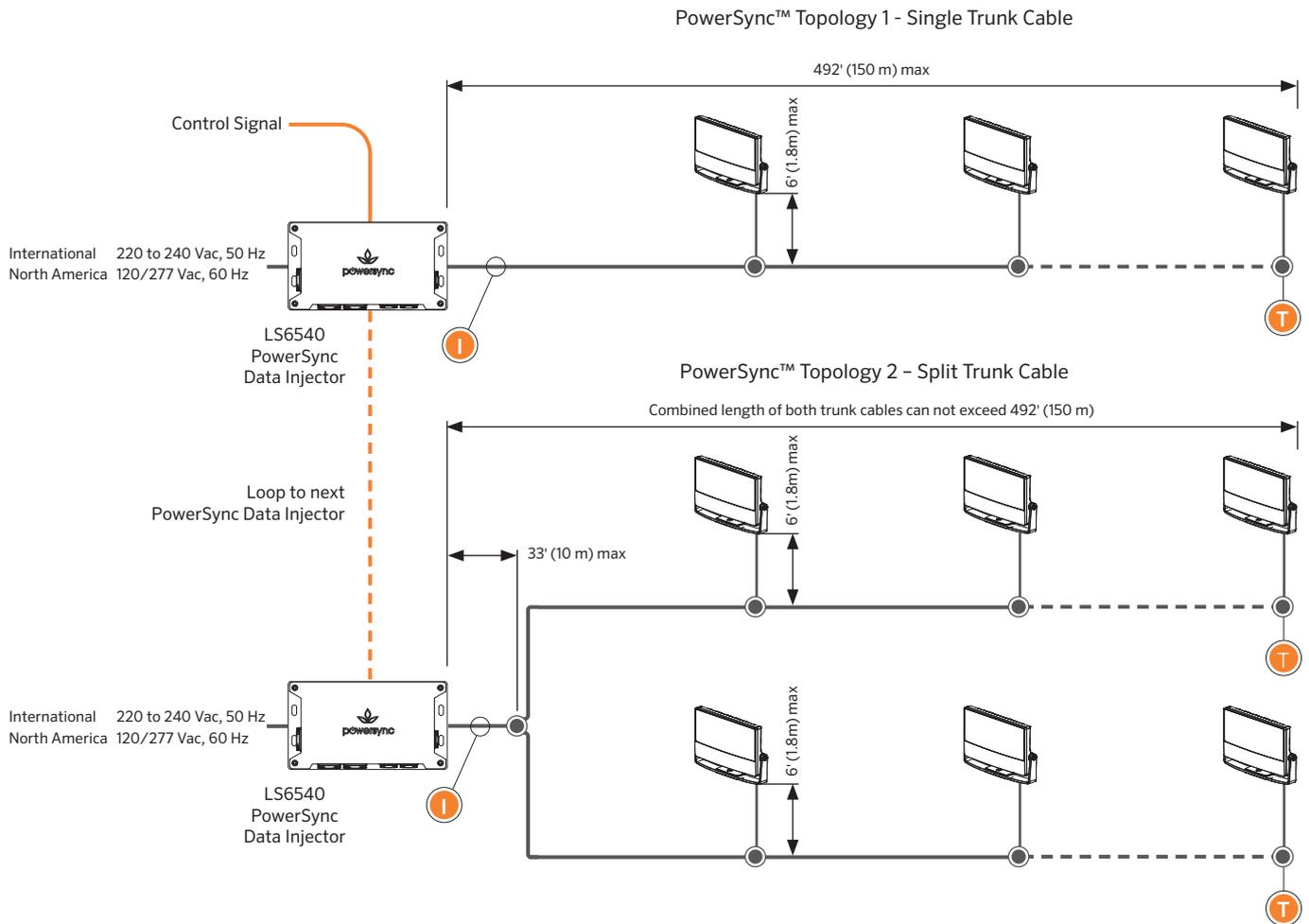
Specification Matrix

<div style="border: 1px solid gray; width: 40px; height: 15px; margin: 0 auto;"></div>		-	<div style="border: 1px solid gray; width: 40px; height: 15px; margin: 0 auto;"></div>		
<b>Mounting Accessories</b>		<b>Code</b>	<b>Finish</b>		<b>Code</b>
4.0" (102 mm) Pole Clamp		LS6318	Black		BL
4.5" (114 mm) Pole Clamp		LS6319	Anthracite Gray		AG
5.0" (127 mm) Pole Clamp		LS6320	Basalt Gray		BT
			Graphite Gray		GH
			Anodic Silver		SL
			White		WT
			Dark Bronze		DB
			Latte		LT
			Dark Aluminum		DA
			Custom RAL		CC <sup>1</sup>

Luminaire must be ordered with a 3G rated bracket.

<sup>1</sup>RAL color required

Network Topology – Line Voltage 220 to 240 Vac, 120/277 Vac Dimmable and Color-Changing via PowerSync® 4



Up to 21 luminaires per run under the following conditions:

- Max total cable run length 492' (150 m) in up to two trunk cables.
- For run lengths in excess of 100' (30 m), the data wire gauge cannot exceed 14 AWG (2.5 mm<sup>2</sup>).
- For run lengths up to 100' (30 m), the data wire gauge is not governed.
- Refer to 'Maximum Circuit Load' table for circuit limitations.
- Always observe local electrical codes for branch circuit current limitations.

Maximum Circuit Load

Maximum Number of Fixtures per Circuit		
Voltage	Maximum Current	
	12.8 A	16 A
120 V	7	8
240 V	15	17
277 V	17	21

Refer to PowerSync™ installation instructions for maximum distance information and topology options.

Above circuit loading limits are based on maximum circuit current capacity. Cumulative earth leakage and voltage drop may need to be calculated.

For non-continuous runs contact Lumascope for more details.

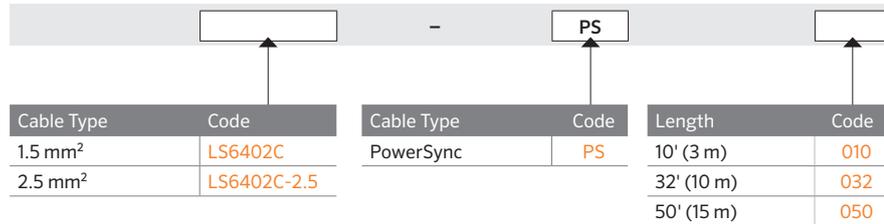
- T** Terminator  
Use PowerSync™ terminator, supplied with leader cable to terminate last luminaire in chain.
- 1** Maximum Current  
Maximum current through cables and connectors supplied by Lumascope:  
≤12.8 A – Installations in North American Market (UL, ETL)  
≤16 A – Installations in International Market (CE, UKCA)
- Connection Type  
Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

Connectorized Accessories - Line Voltage 220 to 240 Vac

**Leader Cables - PowerSync Line Voltage 220 to 240 Vac (For Connection Type 77 Only)**

4-core 1.5 mm<sup>2</sup> or 2.5mm<sup>2</sup> for use in CE/CCC installations. Compatible with all luminaires with Type 77 connectorized supply cable options. Supplied fitted with an IP68 connector for pairing with the first connectorized luminaire in a Powersync4, Line Voltage circuit. Comes complete with a matching End of Circuit, Powersync4, Line Voltage, Terminator Plug.

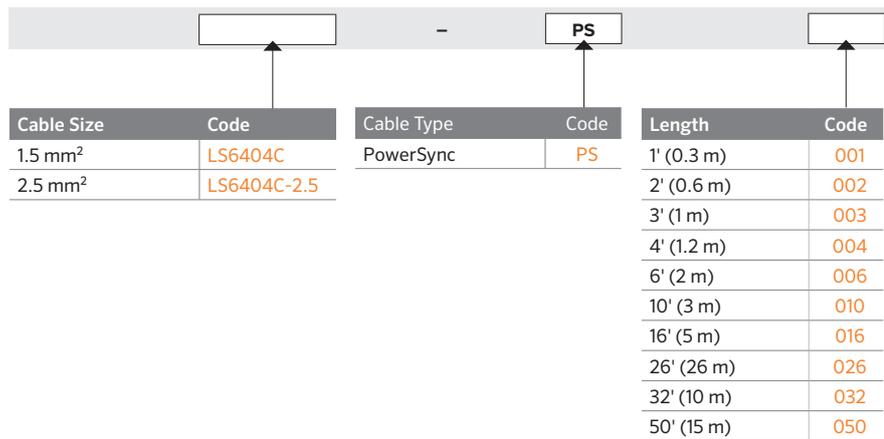
*Not suitable for use in North America*



**Jumper Cables - PowerSync Line Voltage 220 to 240 Vac (For Connection Type 77 Only)**

4-core 1.5 mm<sup>2</sup> or 2.5mm<sup>2</sup> for use in CE/CCC installations. Compatible with all luminaires with Type 77 connectorized supply cable options. Supplied fitted with an IP68 connector for pairing with the first connectorized luminaire in a Powersync4, Line Voltage circuit.

*Not suitable for use in North America*



Connectorized Accessories

Terminators

Product	Code
DMX Terminator Hardwired (CCC, CE, UL)	LS6407
PowerSync Terminator Hardwired, Line Voltage 220 to 240 Vac, (CE, CCC)	LS6406-01
PowerSync Terminator Hardwired, Line Voltage 120/277 Vac (UL)	LS6406-09
PowerSync Terminator Connectorized, Line Voltage 220 to 240 Vac, 120/277 Vac (CCC, CE, UL)	LS6417

\* NOTE:

- DMX Terminators ship with PowerSync Data Injectors.
- Terminators for hardwired PowerSync installations ship with PowerSync Data Injectors.
- Terminators for connectorized PowerSync installations ship with Leader Cables.
- Order separately for spares only.

PowerSync Line Voltage 220 to 240 Vac, 120/277 Vac Data Injector

Combines the convenience of standard wiring methods to translate control signals into a digital format that can be transmitted over standard copper wire. This allows highly granular addressing and high-speed digital control of every luminaire, using only four wires and accepts a growing list of standard protocols (0-10 V, DMX / RDM), for simple integration with a wide selection of control systems using these industry standard protocols.



Product	Code	Input Voltage	Code	Control	Code	Finish	Code
Data Injector PS4	LS6540	220 to 240 Vac, 50 Hz (International)	01	DMX/RDM, 0-10 V Input	2D	Black	BL
		120/277 Vac, 60 Hz (North America)	09			Anthracite Gray	AG
						Basalt Gray	BT
						Graphite Gray	GH
						Anodic Silver	SL
						White	WT
						Dark Bronze	DB
						Latte	LT
						Dark Aluminum	DA
						Custom RAL	CC <sup>1</sup>

<sup>1</sup>RAL color required

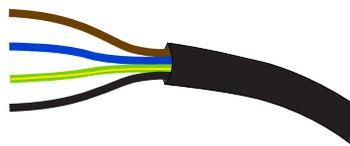
NOTE:

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

Luminaire Wire Colors & Designations

Line Voltage 220 to 240 Vac - International

Designation	Color
Line	Brown
Neutral	Blue
Ground/Earth	Green / Yellow
Data	Black



Line Voltage 120/277 Vac - North America

Designation	Color
Line	Black
Neutral	White
Ground/Earth	Green / Yellow
Data	Orange or Red

