The Quadralux Q6 is a large, 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 672,000 Candela

Performance

Static White & Color[1]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,700 K (80 CRI)	7,300	88	154,100
3,000 K (80 CRI)	7,620	92	163,000
3,500 K (80 CRI)	8,160	97	176,300
4,000 K (80 CRI)	8,280	100	177,400
5,000 K (70 CRI)	7,340	88	152,700

[1] Lumen output values are based on a 10° lens

Dynamic Color[2]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
RGBA	4,710	57	90,600
RGBW (4,000 K) with Royal Blue*	4,300	57	85,900

[2] Lumen output values based on a 10° lens

Tunable White[3]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,700 K – 6,500 K	7,700	93	159,900

[3] Lumen output values based on a 10° lens

4.5° Beam Angle (VN Option)

Static White & Color[1]	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,700 K (80 CRI)	6,010	69	595,800
3,000 K (80 CRI)	6,260	72	621,200
3,500 K (80 CRI)	6,780	78	671,900
4,000 K (80 CRI)	6,780	78	671,900
5,000 K (70 CRI)	6,260	72	621,200

[1] Lumen output values are based on a 4.5° lens

Beam Angles	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°

*** 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.

powersync® easyglow™ cooldrive™ microantileach™

Intertek

Products and specifications are subject to change without notice.
LS9160-230310

Electrical

Power Consumption	≤ 86 W
Lifetime	>60,000 hrs (B10, L70, TM21 Reported)
Input Voltage	International 220 to 240 Vac, 50 Hz North America 120/277 Vac, 60 Hz
Earth Leakage	0.3 mA @ 120 Vac, 0.4 mA @ 240 Vac, 0.6 mA @ 277 Vac
Thermal Management	CoolDrive™ onboard thermal monitoring and control

Control

Interface	Lumascape **PowerSync®**
Protocols[1]	DMX/RDM, Artnet, PWM[2], 0 - 10 V (sink or source)[2]
PWM Frequency	2 kHz flicker-free dimming to 0.1%
RDM Functionality	PowerSync enabled Lumascape 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.
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

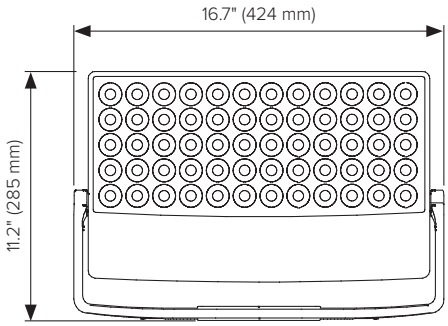
Physical

Housing	Marine-grade die-cast aluminum, tempered glass lens, isolated stainless steel fasteners, adjustable mounting yoke (lockable) with mounting surface galvanic isolator
Finish	Superior 9-step powder-coating process, including marine-grade epoxy undercoat and polyester top-coat
Installation	Surface-mounted with included galvanic isolator
Adjustable	Adjustable mounting yoke
Ambient Operating Temperature	-40°F to 122°F (-40°C to 50°C)
Surface Temperature	≤138°F (59°C)
Weight	15.4 lb (7.0 kg)
Effective Projected Area	1.2 ft^2 (0.1 m^2)

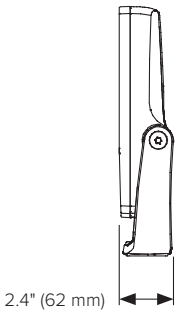
Certification & Compliance

IP Rating	IP66 / IP67 (Passes IP68 test)
IK Rating	IK9
Vibration Resistance	3G Rating (ANSI C136.31) *With optional 3G Bracket*
Environment	Dry, Damp, Wet locations
Certifications	ETL, CE, UKCA, RCM, FCC

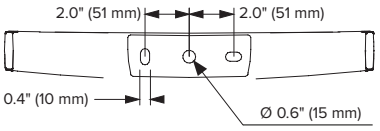
Dimensions



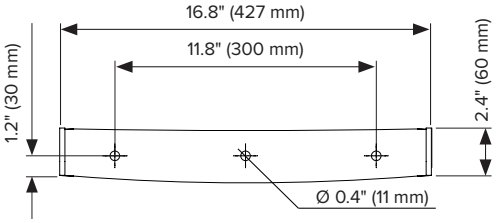
Front View



Side View



Standard Bracket



Optional 3G Bracket

Specification Matrix

LS9160	–	80D							PS		006

Light Engine	Code
80 W	80D

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 (70 CRI)	750

Dynamic Color	Code
RGBA	4CA
RGBW with Royal Blue	4BW[1]

[1] 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.

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

Connection Type	Code
Flexible, single entry cable for hardwired installations	84
Flexible, single entry cable for connectorized installations (International)	77

Beam Angles	Code
4.5°	VN
5°	NX
10°	NR
15°	NM
30°	ME
45°	WD
65°	WF
10° x 40°	NH
40° x 10°	NV
10° x 60°	LH
60° x 10°	LV
20° x 40°	MH
40° x 20°	MV
20° x 60°	WH
60° x 20°	WV

Mounting	Code
Standard Bracket	S
3G Rated Bracket	G[1]

[1] Also provides compatibility with Pole Clamp

Input Voltage	Code
220 to 240 Vac, 50 Hz (International)	01
120/277 Vac, 60 Hz (North America)	09

Control	Code
PowerSync®	PS[1]

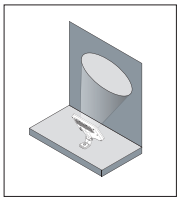
[1] Required on all dimming and color-changing applications. LS6540 PowerSync Data Injector required (order separately).

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[1]

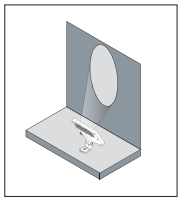
[1] RAL color required

Cable Length	Code
6' (1.8 m)	006

For custom cable lengths, contact Lumascape for more information.



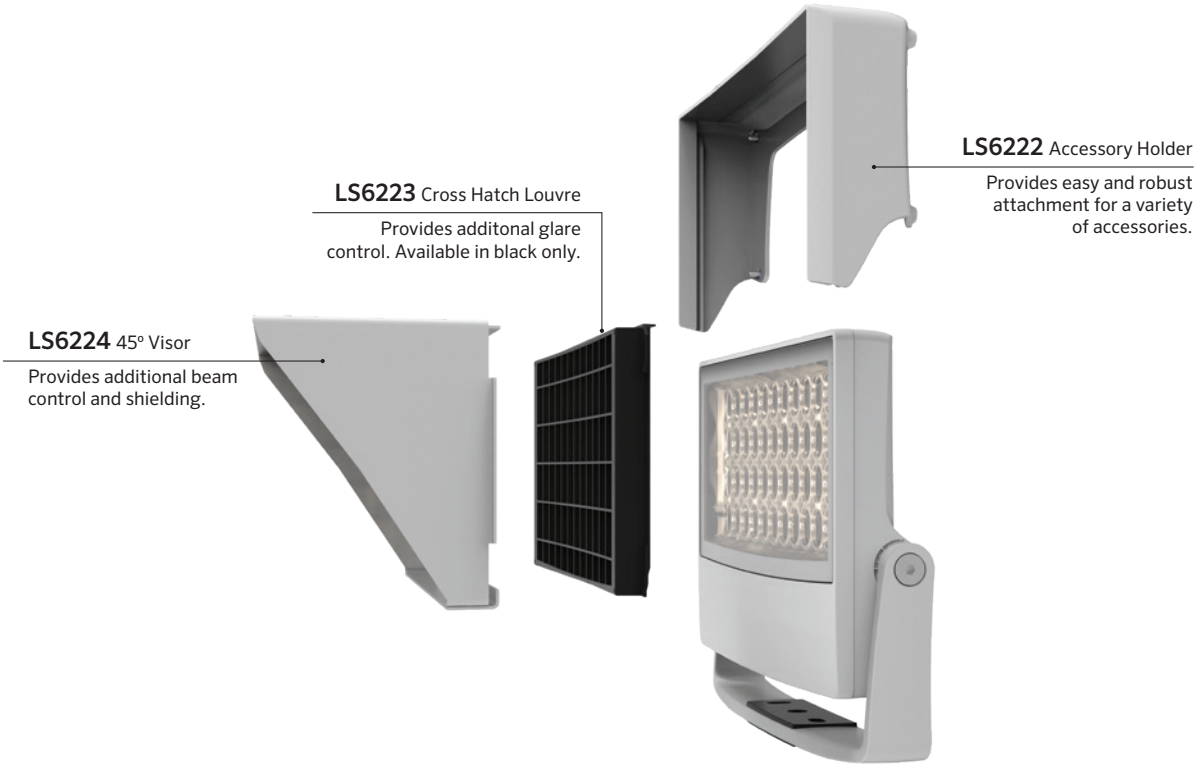
Beam Orientation for "LH", "NH", "MH" and "WH"



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 Q6 Spotlight.



Specification Matrix

[ ] – [ ]

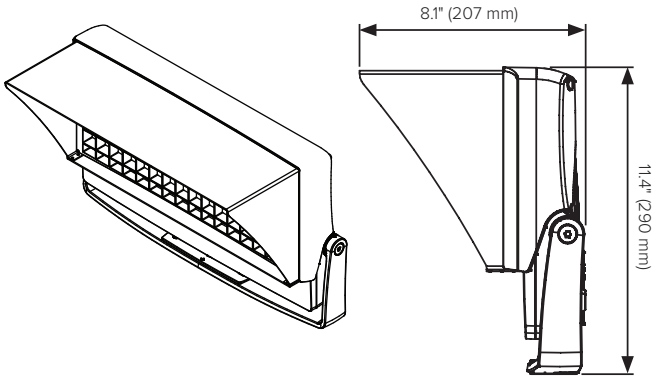
Louver Length	Code
Accessory Holder	LS6222
45° Visor	LS6224

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[1]

[1] 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 fill aiming and adjustability. Available in 3.0" (76 mm), 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

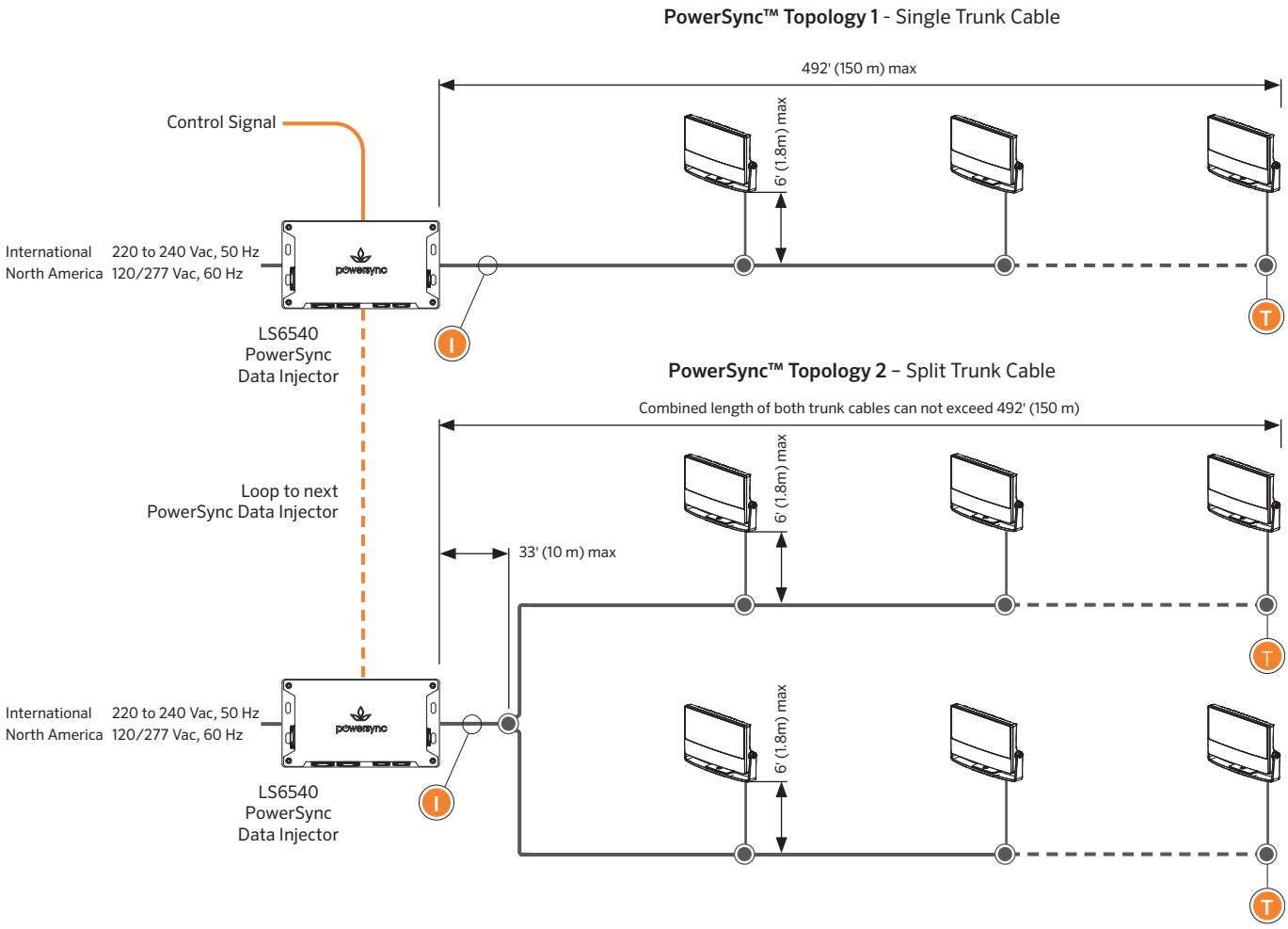
Mounting Accessories	Code
3.0" (76 mm) Pole Clamp	LS6317
4.0" (102 mm) Pole Clamp	LS6318
4.5" (114 mm) Pole Clamp	LS6319
5.0" (127 mm) Pole Clamp	LS6320

Luminaire must be ordered with a 3G rated bracket.

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[1]

[1] RAL color required

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



Up to 42 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 mm²).
- 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		
	Maximum Current	
Voltage	12.8 A	16 A
120 V	14	18
240 V	30	34
277 V	35	42

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 Lumascape for more details.

Terminator

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

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, 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 mm² or 2.5mm² 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

Cable Type	Code
1.5 mm²	LS6402C
2.5 mm²	LS6402C-2.5

Cable Type	Code
PowerSync	PS

Length	Code
10' (3 m)	010
32' (10 m)	032
50' (15 m)	050

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

4-core 1.5 mm² or 2.5mm² 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

Cable Size	Code
1.5 mm²	LS6404C
2.5 mm²	LS6404C-2.5

Cable Type	Code
PowerSync	PS

Length	Code
1' (0.3 m)	001
2' (0.6 m)	002
3' (1 m)	003
4' (1.2 m)	004
6' (2 m)	006
10' (3 m)	010
16' (5 m)	016
26' (26 m)	026
32' (10 m)	032
50' (15 m)	050

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.

LS6540 – [ ] **2D** [ ]

Product	Code
Data Injector PS4	LS6540

Input Voltage	Code
220 to 240 Vac, 50 Hz (International)	01
120/277 Vac, 60 Hz (North America)	09

Control	Code
DMX/RDM, 0-10 V Input	2D

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[1]

[1] RAL color required

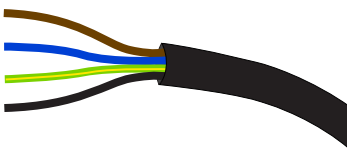
NOTE:

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