The Quadralux Q8 is an extra large architectural grade spotlight that combines technology and performance in a modern form factor to achieve a peak intensity of over 1 million cd (with a 4,000 K light engine and 4.5° beam). Available in white, colour changing and tunable white light engines, the Quadralux Q8 is 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 and glare control accessories enable installation in multiple orientations. Lighting professionals now have greater creative flexibility with the choice of designer* and standard LED options.

*Reduces colour-over-angle separation, fewer striations in the beam and shorter blending distances.

➜ UP TO 1.19 MILLION CANDELA

Performance

96 LED Light Engine

Static White & Colour	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,700 K (80 CRI)	14,518	88.5	418,690
3,000 K (80 CRI)	14,518	88.5	418,690
3,500 K (80 CRI)	15,161	97.5	440,799
4,000 K (80 CRI)	15,780	101.5	458,791
5,000 K (70 CRI)	16,929	107.7	488,444
Red	5,126	39.5	236,752
Green	9,668	50.0	437,336
Blue	2,605	18.1	116,648

Static white lumen output values are based on a 8° standard lens.

48 LED Ultra-Narrow Light Engine

Static White & Colour	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,700 K (80 CRI)	11,237	76.0	1,129,855
3,000 K (80 CRI)	11,237	76.0	1,129,855
3,500 K (80 CRI)	11,237	76.0	1,129,855
4,000 K (80 CRI)	12,142	72.0	1,193,635
5,000 K (70 CRI)	12,142	72.0	1,193,635

Static white lumen output values are based on a 4.5° designer lens.

Tunable White	Lumen Output (lm)	Efficacy (lm/W)	Peak Intensity (cd)
2,700 K - 6,500 K	-	-	-

powersync™ easyglow™ cooldrive™

Performance

Beam Angles	Light Engine	Series	Beam Angles
	Static White & Single Colour	Standard	8°, 18°, 30°, 45°, 65°, 40° x 10°, 60° x 10°, 40° x 20°, 60° x 20°
		Designer (1)	4.5°, 10°, 18°, 30°, 65°, 40° x 10°, 60° x 10°, 40° x 20°, 60° x 20°
	Dynamic Colour	Designer (1)	4.5°, 10°, 18°, 30°, 65°, 40° x 10°, 60° x 10°, 40° x 20°, 60° x 20°
	Tunable White	Designer (1)	4.5°, 10°, 18°, 30°, 65°, 40° x 10°, 60° x 10°, 40° x 20°, 60° x 20°

(1) Significantly reduces colour-over-angle separation, fewer striations in the beam and shorter blending distances.

Electrical

LED Power	150W
Consumption	≤160W maximum
Lifetime (L70)	>60,000hrs (B10, L70, TM21)
Input Voltage	120-277V, 50/60Hz
Earth Leakage	120V - 0.4mA, 240V - 0.6mA, 277V - 0.8mA
Thermal Management	CoolDrive™ onboard thermal monitoring and control.

Control

Interface	Lumascape PowerSync™
Protocols	DMX/RDM, Artnet, PWM(1), 0-10V (sink or source)(1), Phase dimming(1)(2) Some protocols require additional hardware. For details and for other available protocols contact factory. 1. Not available for Colour Changing 2. Not available for Tunable White
PWM Frequency	2,000Hz flicker free dimming to 0.1%
Systems	Range of third-party controllers

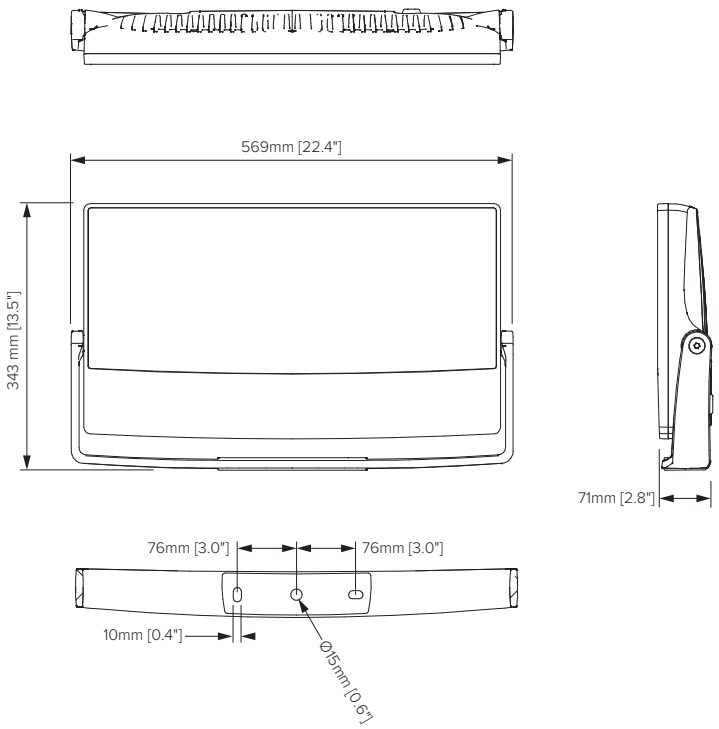
Physical

Housing	Die cast marine grade 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 epoxy undercoat and polyester top coat.
Installation	Surface-mounted with galvanic isolator
Adjustable	Adjustable mounting yoke
Ambient Operating Temperature	-40°C to 50°C (-40°F to 122°F)
Surface Temperature	≤59°C (138°F)
Weight	13.0kg (28.6lbs)
Effective Projected Area	1,949cm^2 (2.1ft^2)

Certification & Compliance

IP Rating	IP66 / IP67
IK Rating	IK10
Vibration Resistance	3G Rating (ANSI C136.31) Contact factory for mounting details.
Environment	Dry, Damp, Wet locations
Certifications	ETL, CE, RCM, CCC

Luminaire Dimensions



LS9180	150									

Series	Code
Designer	D
Standard	S

Static White & Colour	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
Red	RED
Green	GRN
Blue	BLU

Standard	Designer	Code
N/A	4.5°	VN
8°	10°	NR
18°	18°	NM
30°	30°	ME
45°	N/A	WD
65°	65°	WF
40° x 10°	40° x 10°	NH
10° x 40°	10° x 40°	NV
60° x 10°	60° x 10°	LH
10° x 60°	10° x 60°	LV
40° x 20°	40° x 20°	MH
20° x 40°	20° x 40°	MV
60° x 20°	60° x 20°	WH
20° x 60°	20° x 60°	WV

Dynamic Colour	Code
RGBA	4CA
RGBW	4CW
RGBW - Royal Blue	4BW

Designer	Code
4.5°	VN
10°	NR
18°	NM
30°	ME
65°	WF
40° x 10°	NH
10° x 40°	NV
60° x 10°	LH
10° x 60°	LV
40° x 20°	MH
20° x 40°	MV
60° x 20°	WH
20° x 60°	WV

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

Designer	Code
4.5°	VN
10°	NR
18°	NM
30°	ME
65°	WF
40° x 10°	NH
10° x 40°	NV
60° x 10°	LH
10° x 60°	LV
40° x 20°	MH
20° x 40°	MV
60° x 20°	WH
20° x 60°	WV

Connection Type	Code
Flexible cable, single entry, for hard wired installations	84
Flexible cable, single entry, for connectorised installations	77(1)

(1) Not available for North American market.

For other cable entry options contact factory.

Mounting	Code
Standard Bracket	S
3G Rated Bracket	G

Input Voltage	Code
110-240V, 50/60Hz	01(1)
120-277V, 50/60Hz	09(2)

(1) International market

(2) North American market

Control	Code
Non-Dim	ND(1)
Powersync™	PS(2)

(1) For single colour, non-dimming applications only.

(2) Required for all dimming and colour changing applications. LS6540 Data Injector required - order separately

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)

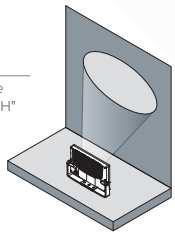
(1) Please provide RAL colour.

Cable Length	Code
1.8m (6')	006

For custom cable length contact factory.

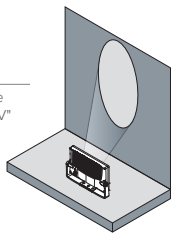
Beam Orientations

Beam Orientation for the "LH", "NH", "MH" and "WH" optical system



Beam Orientations

Beam Orientation for the "LV", "NV", "MV" and "WV" optical system



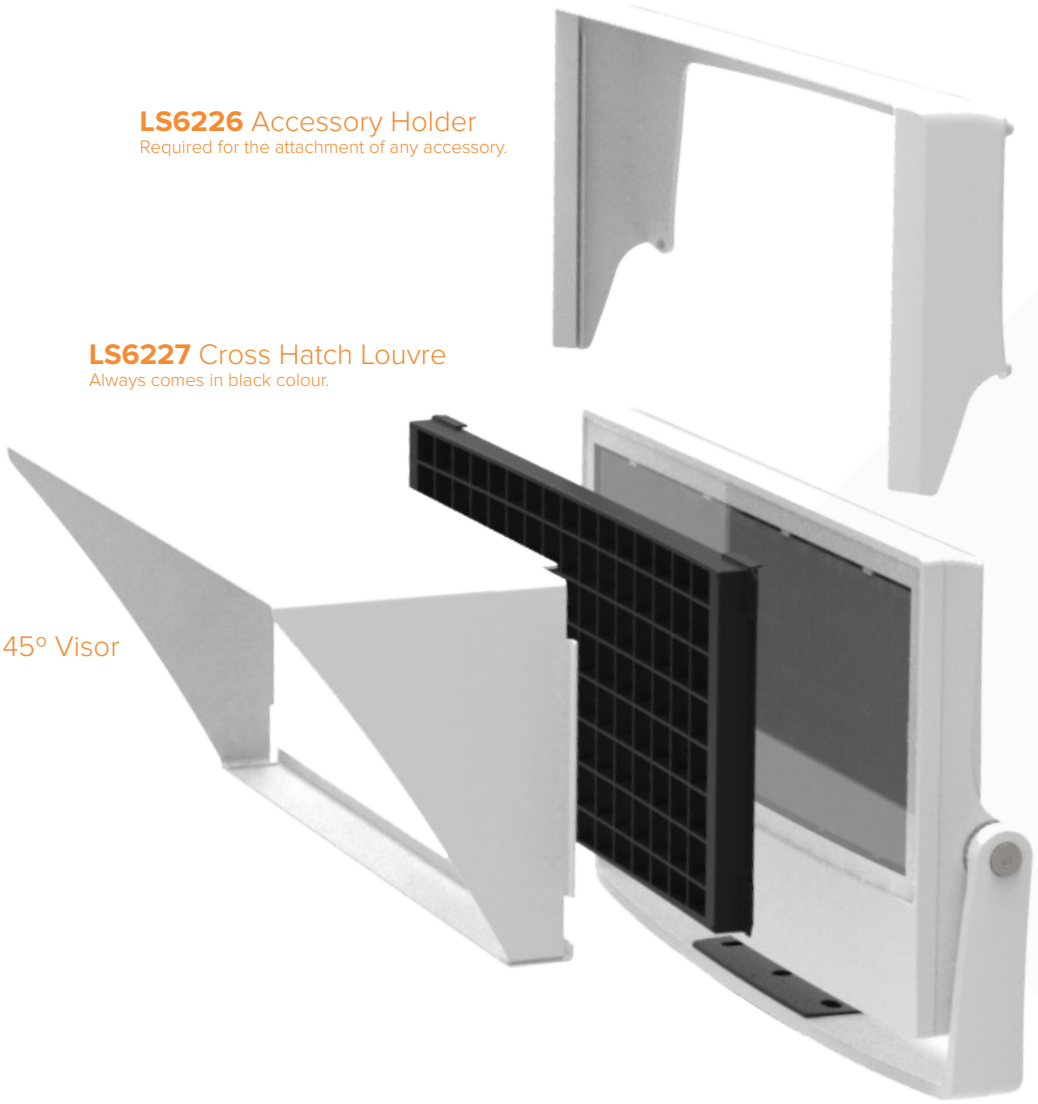
Shielding & Glare Control

A variety of shielding and glare control options are available for the Quadralux Q8 Series. The drawing below depicts the glare control accessories available.

LS6226 Accessory Holder
Required for the attachment of any accessory.

LS6227 Cross Hatch Louvre
Always comes in black colour.

LS6228 45° Visor

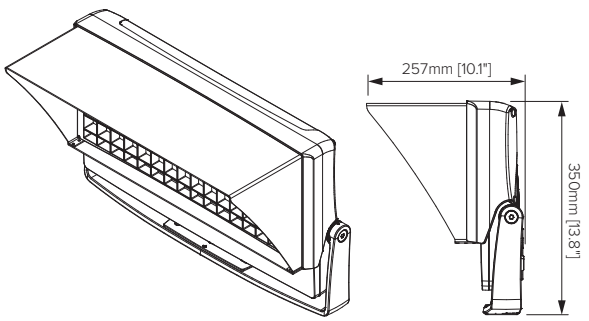


Louvre Length	Code
Accessory Holder	LS6226[1]
45° Visor	LS6228
Custom Visor [Contact factory]	LS6229[2]

(1) Required for the attachment of any accessory.
(2) Contact factory for details.

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) Please provide RAL colour.



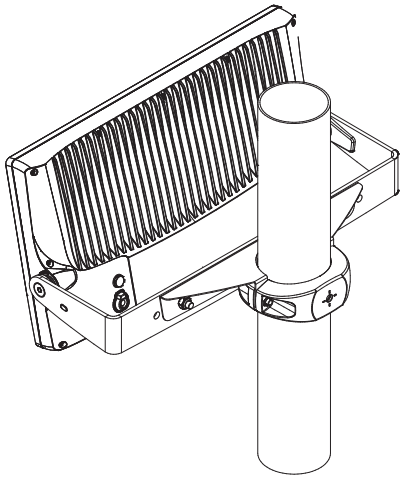
LS6318 | LS6319 | LS6320
Pole Clamp [4.0",4.5", 5.0" options]

Mounting Accessories	Code
4.0” Pole Clamp	LS6318
4.5” Pole Clamp	LS6319
5.0” Pole Clamp	LS6320

Luminaire must be ordered with a 3G rated bracket.

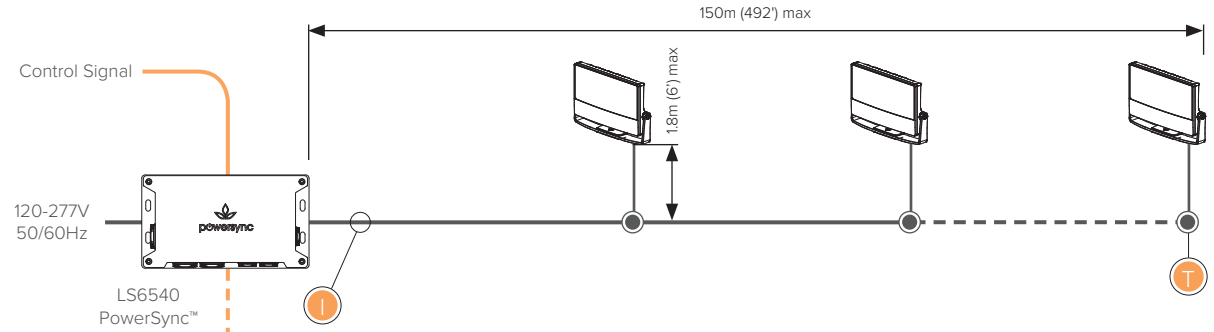
Finish	Code
Black	BL
Anthracite Grey	AG
Basalt Grey	BT
Anodic Silver	SL
White	WT
Dark Bronze	DB
Latte	LT
Dark Aluminum	DA
Custom RAL	CC[1]

(1) Please provide RAL colour.

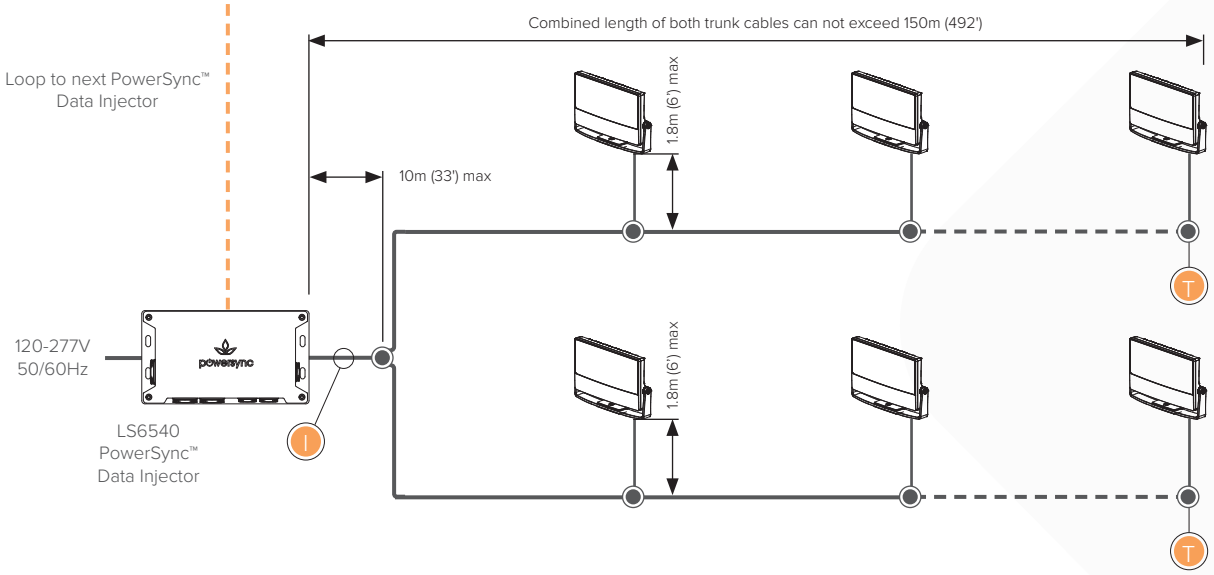


Network Topology - PowerSync™ Dimmable

PowerSync™ Topology 1 - Single Trunk Cable



PowerSync™ Topology 2 - Split Trunk Cable



Up to 21 luminaires per run under the following conditions:

- Max total cable run length 150m (492') in up to two trunk cables
- For run lengths in excess of 30m (100'), the *data* wire gauge cannot exceed 14 AWG (2.5mm²)
- For run lengths up to 30m (100'), 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 Interconnected Fixtures		
Voltage	**12A**	**16A**
120V	7	8
240V	15	17
277V	17	21

Refer to PowerSync™ installation manual for maximum distance information and typology options.

For non-continuous runs contact factory for details.

Terminator

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

Maximum Current

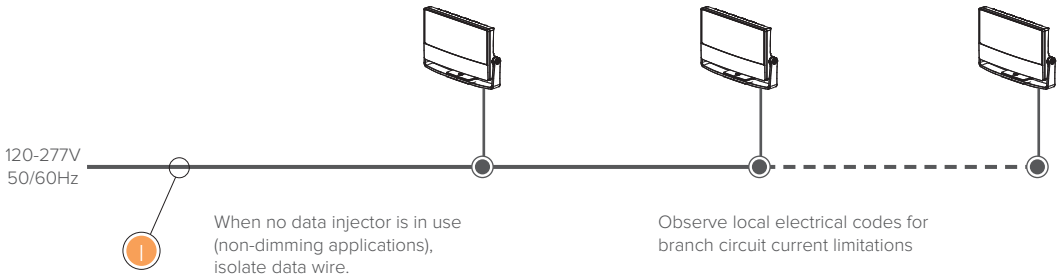
Through cables and connectors, using Lumascape supplied jumper and leader cables ≤16.0A.

Connection Type

Circuits can be configured as either connectorised or hardwired. For details consult installation instructions and comply with local electrical codes.

NOTE: The above diagrams are intended to show electrical pathways between luminaires and ancillary device. These diagrams are not intended to show type or colour of cord / wire, luminaire input voltage rating, wire gauge or approved use of the cord / wire supplied with luminaires.

Network Topology - Non-Dimmable



Up to 21 luminaires per run under the following conditions:

- Refer to 'Maximum Circuit Load' table for circuit limitations
- Always observe local electrical codes for branch circuit current limitations

Maximum Current

Through cables and connectors, using Lumascape supplied jumper and leader cables ≤16.0A.

Connection Type

Circuits can be configured as either connectorised or hardwired. For details consult installation instructions and comply with local electrical codes.

Maximum Circuit Load

Maximum Number of Interconnected Fixtures		
Voltage	**12A**	**16A**
120V	7	8
240V	15	17
277V	17	21

Refer to PowerSync™ installation manual for maximum distance information and typology options.

For non-continuous runs contact factory for details.

NOTE: The above diagrams are intended to show electrical pathways between luminaires and ancillary device. These diagrams are not intended to show type or colour of cord / wire, luminaire input voltage rating, wire gauge or approved use of the cord / wire supplied with luminaires.

powersync tm

Connectorised Accessories

Cables & Connectors [For Connection Type 77 Only]

Leader & Jumper Cables (1.5mm²) - International Market	Code
Leader Cable 10m [32'] (4 x 1.5mm²)	LS6402C-032
Leader Cable custom length in feet - 30m [98'] max. (4 x 1.5mm²)	LS6402C-xxx
Jumper Cable 0.3m [1'] fixture gap spacing (4 x 1.5mm²)	LS6404C-001
Jumper Cable 0.6m [2'] fixture gap spacing (4 x 1.5mm²)	LS6404C-002
Jumper Cable 1.2m [4'] fixture gap spacing (4 x 1.5mm²)	LS6404C-004
Jumper Cable 3m [10'] fixture gap spacing (4 x 1.5mm²)	LS6404C-010
Jumper Cable custom fixture gap spacing in feet - 30m [98'] max. (4 x 1.5mm²)	LS6404C-xxx

Leader & Jumper Cables (2.5mm²) - International Market	Code
Leader Cable 10m [32'] (4 x 2.5mm²)	LS6402C-2.5-032
Leader Cable custom length in feet - 30m [98'] max. (4 x 2.5mm²)	LS6402C-2.5-xxx
Jumper Cable 0.3m [1'] fixture gap spacing (4 x 2.5mm²)	LS6404C-2.5-001
Jumper Cable 0.6m [2'] fixture gap spacing (4 x 2.5mm²)	LS6404C-2.5-002
Jumper Cable 1.2m [4'] fixture gap spacing (4 x 2.5mm²)	LS6404C-2.5-004
Jumper Cable 3m [10'] fixture gap spacing (4 x 2.5mm²)	LS6404C-2.5-010
Jumper Cable custom fixture gap spacing in feet - 30m [98'] max. (4 x 2.5mm²)	LS6404C-2.5-xxx

Leader & Jumper Cables - North America Market	Code
Leader Cable 10m [32'] (4 x 14AWG)	LS6402U-032
Leader Cable 8m [26'] (4 x 14AWG)	LS6402U-026
Leader Cable 15m [50'] (4 x 14AWG)	LS6402U-050
Leader Cable specify custom length in feet - 30m [98'] max. (4 x 14AWG)	LS6402U-xxx
Jumper Cable 0.3m [1'] fixture gap spacing (4 x 14AWG)	LS6404U-001
Jumper Cable 0.6m [2'] fixture gap spacing (4 x 14AWG)	LS6404U-002
Jumper Cable 1.2m [4'] fixture gap spacing (4 x 14AWG)	LS6404U-004
Jumper Cable 3m [10'] fixture gap spacing (4 x 14AWG)	LS6404U-010
Jumper Cable specify custom fixture gap spacing in feet - 30m [100'] max. (4 x 14AWG)	LS6404U-xxx

All connectorised options in North America are limited to 12.8 A branch circuit load.

Terminator	Code
DMX Terminator Hardwired (CCC, CE, UL)	LS6407
PowerSync™ Terminator Hardwired, Mains / Low Voltage (CCC, CE)	LS6406-01
PowerSync™ Terminator Hardwired, Mains / Low Voltage (UL)	LS6406-09
PowerSync™ Terminator Connectorised, Mains Voltage (CCC, CE, UL)	LS6417

Note: A terminator ships with every leader cable. Order separately for spare parts and split runs only.

PowerSync™ Splitters	Code
PowerSync™ Y - Connector (4 x 1.5mm²), Mains Voltage (CCC, CE)	LS6425C
PowerSync™ Y - Connector (4 x 2.5mm²), Mains Voltage (CCC, CE)	LS6425C-2.5
PowerSync™ Y - Connector (4 x 14AWG), Mains Voltage (UL)	LS6425U

Wire Colours & Designations

Mains Voltage - International Market

Designation	Colour
Active	Brown
Neutral	Blue
Earth	Green / Yellow
Data	Black

Mains Voltage - North American Market

Designation	Colour
Active	Black
Neutral	White
Earth	Green / Yellow
Data	Grey [or Red]