



Project Name	
Type	
Part Number	
Quantity	
Notes	

Product Overview

A compact and versatile surface mount spotlight

Features

Lumen Output	1,655 lm
Power Consumption	25 W
Typical Lifetime (TM21 Reported)	> 60,000 hours @ 50°C Ambient (B10, L90, TM21 Reported)
Typical Lifetime (TM21 Projected)	179,506 hours @ 50°C Ambient (B10, L90, TM21 Projected)
Control Protocol	PowerSync (DMX/RDM, 0-10V)
IP Rating	IP66/IP67
IK Rating	IK7
Compliance	
Color Options	

Technology







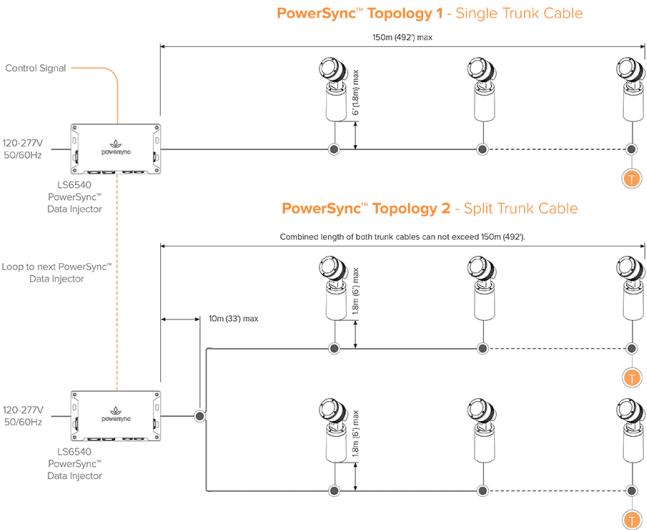
Specifications

Hero - LS2020



Wiring Diagram LS2020

Centria C2 ^{C2} LS2020 Network Topology - PowerSync™ Dimmable



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.

- Terminator**
Use PowerSync™ terminator, supplied with LS6540, to terminate last luminaire in chain at junction box.
- Connection Type**
Circuits are configured as hardwired. For details consult installation instructions and comply with local electrical codes.

- Up to 45 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'), 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

LS2020 Fixture Quantity (per PowerSync Data Injector)		
Voltage	12A	16A
120V	30	45
240V	45	45
277V	45	45

Refer to PowerSync™ installation manual for maximum distance information and topology options.
For non-continuous runs contact factory for details.
Local wiring rules and requirements may limit circuit loadings. Refer to Product data sheet for relevant electrical parameters to calculate.

Configuration

For complete and up-to-date product options, configure the LS2020 using our online [product configurator](#).

LS2020						
Code	Light Engine	Light Source	Beam Angles	Input Voltage	Control	Finish

Light Engine

☐ 22W (22W)

Light Source

Alternative LED colors and CRIs available on request.

- | | | | | | |
|--|---|---|---|---|---|
| ☐ Static White (827)
2,700 K (80 CRI, 3 SDCM) |  | ☐ Static White (830)
3,000K (80 CRI, 3 SDCM) |  | ☐ Static White (835)
3,500K (80 CRI, 3 SDCM) |  |
| ☐ Static White (840)
4,000 K (80 CRI, 3 SDCM) |  | ☐ Static White (750)
5,000K (70 CRI, 3 SDCM) |  | ☐ Single Colour (RED)
Red |  |
| ☐ Single Colour (GRN)
Green |  | ☐ Single Colour (BLU)
Blue |  | ☐ Dynamic Colour (4CA)
RGBA |  |
| ☐ Dynamic Colour (4BW)
RGBW with Royal Blue |  | ☐ Tunable White (2WT)
2,700 K - 6,500 K |  | | |

Beam Angles

Published angles may vary slightly to photometric data. Please refer to IES files where relevant.

- | | | | | | |
|---|---|---|---|---|---|
| ☐ Very Narrow (VN)
10° |  | ☐ Narrow (NR)
13° |  | ☐ Narrow Medium (NM)
20° |  |
| ☐ Medium (ME)
26° |  | ☐ Wide (WD)
47° |  | ☐ Narrow Horizontal (NH)
10° x 40° |  |
| ☐ Narrow Vertical (NV)
40° x 10° |  | ☐ Wide Horizontal (WH)
20° x 60° |  | ☐ Wide Vertical (WV)
60° x 20° |  |

Input Voltage

☐ **110-240 Vac, 50/60 Hz (01)**
Mains Voltage



☐ **30 to 48 Vdc (07)**
Low Voltage



Control

☐ **Non-Dimmable (ND)**
For single color, non-dimming applications only.

☐ **PowerSync™ (PS)**
Required for all dimming and color-changing applications. LS6540 (mains voltage) or LS6550 (low voltage) data injector required (order separately).



Finish

Custom powder coat colours are available. Please consult factory.

☐ **Black (BL)**
RAL9004 from RAL Classic collection (formerly CB)



☐ **Anthracite Gray (AG)**
RAL7016 from RAL Classic collection



☐ **Basalt Gray (BT)**
RAL7012 from RAL Classic collection



☐ **Anodic Silver (SL)**
RAL9006 from RAL Classic collection (formerly CS)



☐ **White (WT)**
RAL9016 from RAL Classic collection



☐ **Dark Bronze (DB)**
RAL8019 from RAL Classic collection



☐ **Latte (LT)**
RAL7006 from RAL Classic collection



☐ **Dark Aluminium (DA)**
RAL9007 from RAL Classic collection



☐ **Custom RAL (CC)**
A one-off custom color setup fee applies. Click on 'More Info' button to add to your enquiry. Contact Lumascape for volume discount on set-up fee.



Accessories

Shielding & Glare Control

Specify Separately

- ☐ **External Glare Shield (LS6104)**
External Glare Shield for
the Centria Range



Custom Color

A one-off setup fee applies for each custom color per order. Add to your enquiry.

- ☐ **Custom Color Setup Fee (Custom RAL Color)**
Custom RAL colour
setup fee

