



Project Name	
Type	
Part Number	
Quantity	
Notes	

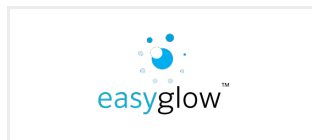
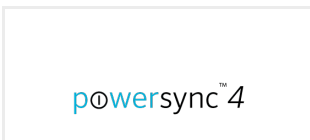
## Product Overview

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

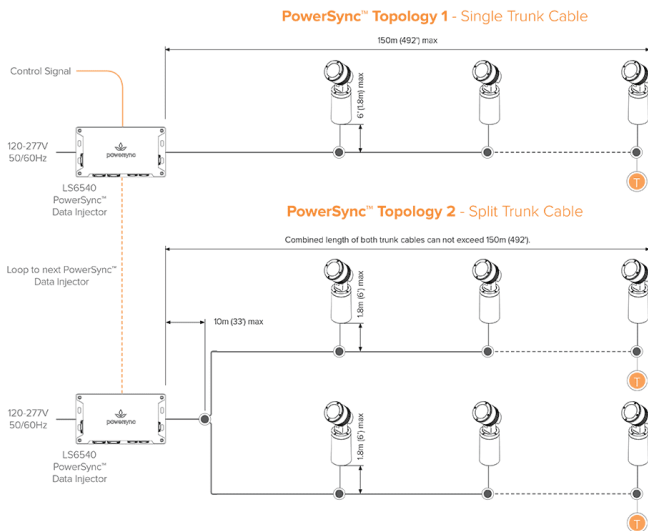
## Hero - LS2020



## 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 (2.5mm<sup>2</sup>)
- For run lengths upto 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.

- |  |   |   |   |   |   |
|--|---|---|---|---|---|
| <input type="checkbox"/> <b>Static White (827)</b><br>2,700 K (80 CRI, 3 SDCM) |    | <input type="checkbox"/> <b>Static White (830)</b><br>3,000K (80 CRI, 3 SDCM) |    | <input type="checkbox"/> <b>Static White (835)</b><br>3,500K (80 CRI, 3 SDCM) |    |
| <input type="checkbox"/> <b>Static White (840)</b><br>4,000 K (80 CRI, 3 SDCM) |   | <input type="checkbox"/> <b>Static White (750)</b><br>5,000K (70 CRI, 3 SDCM) |   | <input type="checkbox"/> <b>Single Colour (RED)</b><br>Red                    |   |
| <input type="checkbox"/> <b>Single Colour (GRN)</b><br>Green                   |  | <input type="checkbox"/> <b>Single Colour (BLU)</b><br>Blue                   |  | <input type="checkbox"/> <b>Dynamic Colour (4CA)</b><br>RGBA                  |  |
| <input type="checkbox"/> <b>Dynamic Colour (4BW)</b><br>RGBW with Royal Blue   |  | <input type="checkbox"/> <b>Tunable White (2WT)</b><br>2,700 K - 6,500 K      |  |   |   |

### Beam Angles

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

- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| <input type="checkbox"/> <b>Very Narrow (VN)</b><br>10°           |  | <input type="checkbox"/> <b>Narrow (NR)</b><br>13°                |  | <input type="checkbox"/> <b>Narrow Medium (NM)</b><br>20°           |  |
| <input type="checkbox"/> <b>Medium (ME)</b><br>26°                |  | <input type="checkbox"/> <b>Wide (WD)</b><br>47°                  |  | <input type="checkbox"/> <b>Narrow Horizontal (NH)</b><br>10° x 40° |  |
| <input type="checkbox"/> <b>Narrow Vertical (NV)</b><br>40° x 10° |  | <input type="checkbox"/> <b>Wide Horizontal (WH)</b><br>20° x 60° |  | <input type="checkbox"/> <b>Wide Vertical (WV)</b><br>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



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### 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

