



The most compact and versatile, remote driver surface mounted luminaire in its class, featuring a light output and energy efficiency surpassing 35 W Metal Halide. 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 including two axes of adjustment making it ideal for direct or indirect applications. Available in white, color-changing and tunable white light engines.

Performance

| Static White & Colour* | Lumen Output (lm) | Efficacy (lm/W) | Peak Intensity (cd) |
|------------------------|-------------------|-----------------|---------------------|
| ● 2,700 K (80 CRI) | 1,568 | 75 | 35,700 |
| ● 3,000 K (80 CRI) | 1,655 | 81 | 38,200 |
| ○ 3,500 K (80 CRI) | 1,730 | 85 | 38,900 |
| ● 4,000 K (80 CRI) | 1,712 | 84 | 39,700 |
| ● 5,000 K (70 CRI) | 2,025 | 99 | 47,200 |
| ● Red | – | – | – |
| ● Green | – | – | – |
| ● Blue | – | – | – |

*Static white lumen output values are based on a 10° lens.

| Dynamic Colour | Lumen Output (lm) | Efficacy (lm/W) | Peak Intensity (cd) |
|------------------------|-------------------|-----------------|---------------------|
| ● RGBW | – | – | – |
| ● RGBW with Royal Blue | – | – | – |

| Tunable White | Lumen Output (lm) | Efficacy (lm/W) | Peak Intensity (cd) |
|---------------------|-------------------|-----------------|---------------------|
| ● 2,700 K - 6,500 K | 1,697 | 82 | 39,900 |

| Beam Angles | 10°, 13°, 20°, 26°, 47°, 10° x 40°, 40° x 10°, 20° x 60°, 60° x 20° |
|-------------|---|
|-------------|---|



Electrical

| | |
|---------------------------|---|
| LED Power | 22 W |
| Power Consumption | ≤26 W |
| Lifetime (L70) | >60,000hrs (B10, L70, TM21) |
| Input Voltage | 30-48 Vdc |
| Thermal Management | CoolDrive™ onboard thermal monitoring and control. |

Control

| | |
|------------------------------|---|
| Interface | Lumascap PowerSync™ |
| Protocols¹ | DMX / RDM, Artnet, PWM ² , 0-10V (sink or source) ² |
| PWM Frequency | 2 kHz flicker-free dimming to 0.1% |
| Systems | Range of third-party controllers |

¹ Some protocols require additional hardware. For more information and other available protocols contact Lumascap.

² Not available for color-changing

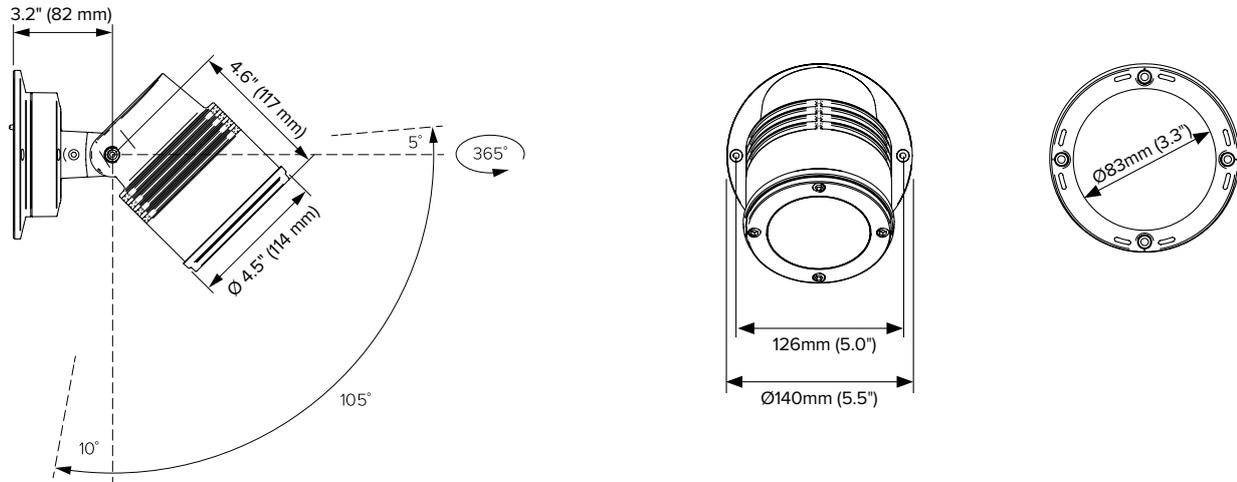
Physical

| | |
|--------------------------------------|--|
| Housing | Die-cast marine grade aluminum with tempered glass lens |
| Finish | Superior 9-step powdercoating process, including marine-grade epoxy undercoat and polyester top coat |
| Installation | Surface-mounted |
| Adjustable | Constant torque adjustable luminaire head |
| Ambient Operating Temperature | -40 °F to 122 °F (-40 °C to 50 °C) |
| Surface Temperature | ≤138 °F (59 °C) |
| Weight | 4.5 lbs (2.0 kg) |

Certification & Compliance

| | |
|-----------------------|------------------------------|
| IP Rating | IP66 / IP67 (Tested to IP68) |
| IK Rating | IK7 |
| Environment | Dry, Damp, Wet locations |
| Certifications | ETL, CE, RCM, CCC |

Dimensions



Specification Matrix

| | | | | | | | | |
|---------------|---|------------|--|--|--|--|--|--|
| LS1015 | - | 22W | | | | | | |
|---------------|---|------------|--|--|--|--|--|--|

| Light Engine | Code |
|--------------|------|
| 22 W | 22W |

| 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 |

| Dynamic Colour | Code |
|----------------------|------|
| RGBW | 4CW |
| RGBW with Royal Blue | 4BW |

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

| Input Voltage | Code |
|---------------|-----------------|
| 30-48 Vdc | 07 ¹ |
| 30-48 Vdc | 13 ² |

¹ International market
² North American market

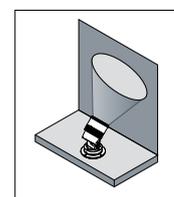
| Beam Angle | Code |
|------------|------|
| 10° | VN |
| 13° | NR |
| 20° | NM |
| 26° | ME |
| 47° | WD |
| 10° x 40° | NH |
| 40° x 10° | NV |
| 20° x 60° | WH |
| 60° x 20° | WV |

| Control | Code |
|-------------|-----------------|
| Non-dimming | ND ¹ |
| PowerSync™ | PS ² |

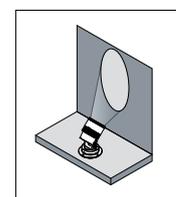
¹ For single color, non-dimming applications.
² Required on all dimming and color-changing applications LS6550 Data Injector required (order separately).

| 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.



Beam Orientation for the "NH" and "WH" optical system



Beam Orientation for the "NV" and "WV" optical system

Accessories

Shielding & Glare Control

An external glare control accessory suitable for use on the Centria series of luminaires.



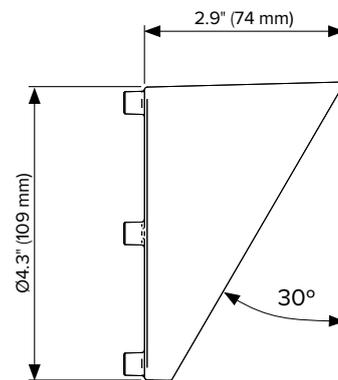
Specification Matrix

LS6104 -

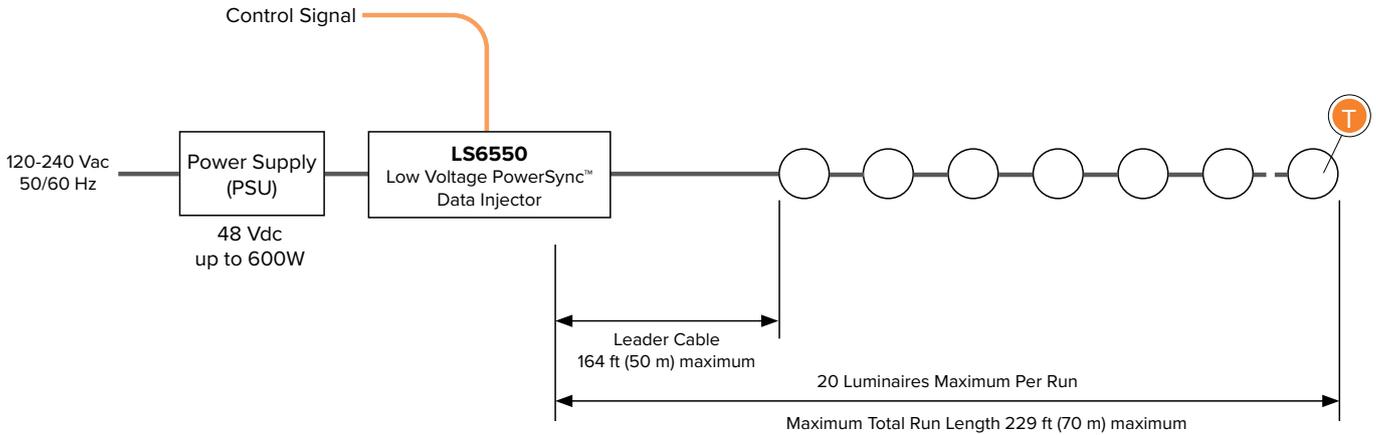
| Finish | Code |
|-----------------|-----------------|
| Black | BL |
| Anthracite Grey | AG |
| Basalt Grey | BT |
| Anodic Silver | SL |
| White | WT |
| Dark Bronze | DB |
| Latte | LT |
| Dark Aluminum | DA |
| Custom RAL | CC ¹ |

¹ Please provide RAL colour.

Technical Drawings



Network Topology – PowerSync™ Low Voltage



- T Terminator**
Use PowerSync™ terminator, supplied with leader cable to terminate last luminaire in chain.
- I 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, CCC)
- Connection Type**
Circuits can be configured as either connectorized or hardwired. For details refer to installation instructions and comply with local electrical codes.

Up to 20 luminaires per 48 V PowerSync™ Circuit (LS6550)

| Maximum Circuit Loading - Single Run | | | | | | |
|--------------------------------------|--|---|------|------|------|------|
| LED Power | Max Leader Cable Length from LS6550 to first fitting | Maximum number of luminaires / 48V Power Supply | | | | |
| | | 120W | 240W | 320W | 480W | 600W |
| 20W | 15m / 50ft | 4 | 8 | 11 | 15 | 18 |
| | 30m / 98ft | 3 | 7 | 10 | 14 | 15 |
| | 50m / 164ft | 3 | 7 | 9 | 11 | 14 |

Values in the above table show the maximum circuit loading per 48 V circuit. Values are based on 4.0 ft (1.2 m) spacing. Smaller spacing may effect the circuit loading. Extended fixture cables, inclusion of jumper cables, or longer leader cable will effect loading. Contact Lumascope for more details. Circuits can be made up of up to 20 fixtures, up to the maximum circuit loading in the table above. Circuits are limited to maximum 12.8 A. For non-continuous runs, contact Lumascope for more information.