The Centria C1 is one of the most compact and versatile stake mount luminaires in its class, featuring light output and energy efficiency surpassing 35W Metal Halide. Available in white, colour changing and tunable white light engines, the Centria C1 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. Available with a concrete anchor, the height of the luminaire allows the light head to stand above vegetation for an unobstructed cast of light.

*International version shown with concrete anchor point (mounting spike is included).
 North American version requires a seperate concrete anchor or mounting spike.

## Performance

| Static White & Colour | Lumen Output (lm) | Efficacy (lm/W) | Peak Intensity (cd) |
|---|---|---|---|
| ⬤ 2,700 K (80 CRI) | 1,568 | 66.6 | 35,736 |
| ⬤ 3,000 K (80 CRI) | 1,655 | 71.1 | 38,189 |
| ◯ 3,500 K (80 CRI) | 1,730 | 74.9 | 38.913 |
| ⬤ 4,000 K (80 CRI) | 1,712 | 73.7 | 39,674 |
| ⬤ 5,000 K (70 CRI) | 2,025 | 87.0 | 47,160 |
| 🔴 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) |
|---|---|---|---|
| 🔵 RGBA | 1,058 | 48.6 | 18,121 |
| 🔵 RGBW | 1,145 | 52.6 | 23,150 |
| 🔵 RGBW - Royal Blue | - | - | - |

Dynamic Colour lumen output values are based on a 10° lens.

| Tunable White | Lumen Output (lm) | Efficacy (lm/W) | Peak Intensity (cd) |
|---|---|---|---|
| ⬤ 2,700 K - 6,500 K | 1,697 | 72.7 | 39,910 |

Tunable white lumen output values are based on a 10° lens with all channels at 100%.

**powersync**™    **easyglow**™    **cooldrive**™

## LUMASCAPE  www.lumascape.com

## Performance

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

## Electrical

| LED Power | 22W | | | |
|---|---|---|---|---|
| Consumption | ≤25W maximum | | | |
| Lifetime (L70) | >60,000hrs (B10, L70, TM21) | | | |
| Input Voltage | Mains Voltage | 120-277V, 50/60Hz | Low Voltage | 30-48V DC |
| Earth Leakage | 120V - 0.3mA,  240V - 0.4mA,  277V - 0.6mA | | | |
| Thermal Management | CoolDrive™ onboard thermal monitoring and control. | | | |

## Control

| Interface | Lumascape PowerSync™ |
|---|---|
| Protocols | DMX/RDM, Artnet, PWM[1], 0-10V (sink or source)[1] |
| | Some protocols require additional hardware. For details and for other available protocols contact factory.<br>1.  Not available for Colour Changing |
| 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. |
|---|---|
| Finish | Superior 9-step powder-coating process, including marine epoxy undercoat and polyester top coat. |
| Installation | Stake-mounted |
| Adjustable | Constant torque adjustable luminaire head |
| Ambient Operating Temperature | -40°C to 50°C (-40°F to 122°F) |
| Surface Temperature | ≤59°C (138°F) |
| Weight | 2.0kg (4.5lb) |

## Certification & Compliance

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

## Luminaire Dimensions



365°
5°
105°
Ø110mm [4.3"]
10°
402mm [15.8"]
212mm [8.3"]
265mm [10.4"]

Base must be flush with ground level. Do not allow soil or material to build up around fixture.

**International Market**

Includes Mounting Spike / Concrete Anchor



365°
5°
105°
Ø110mm [4.3"]
10°
194mm [7.7"]
Ø107mm [4.2"]

**North American Market**

Mounting Spike / Concrete Anchor not included (order separately)

## Shielding & Glare Control



74mm [2.9"]
Ø109mm [4.3"]
30°
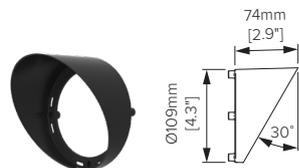
**LS6104**

External Glare Shield

## Mounting Accessories (North American Market only)



500mm [19.7"]
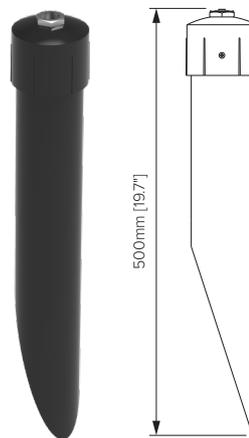
**LS6054**

Mounting Spike / Concrete Anchor not included (order separately)

| LS2010 | 22W | | | | | PS | |

| 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 |
|---|---|
| RGBA | 4CA |
| RGBW | 4CW |
| RGBW - Royal Blue | 4BW |

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

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

| Input Voltage | Code |
|---|---|
| 110-240V, 50/60Hz | 01[1] |
| 120-277V, 50/60Hz | 09[2] |
| 30-48V DC | 07[1] |
| 30-48V DC | 13[2] |

(1) International market
(2) North American market

| 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.

| LS6104 | | |

| Glare Control Accessories | Code |
|---|---|
| External Glare Shield | 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.

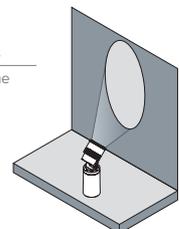| Mounting Accessories | Code |
|---|---|
| Mounting Spike / Concrete Anchor | LS6054[1] |

(1) North American Market

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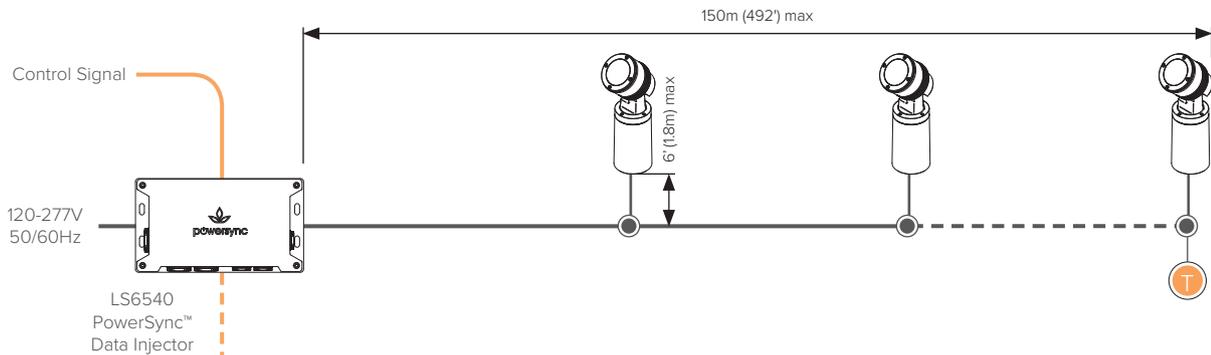Beam Orientation for the "NH" and "WH" optical system

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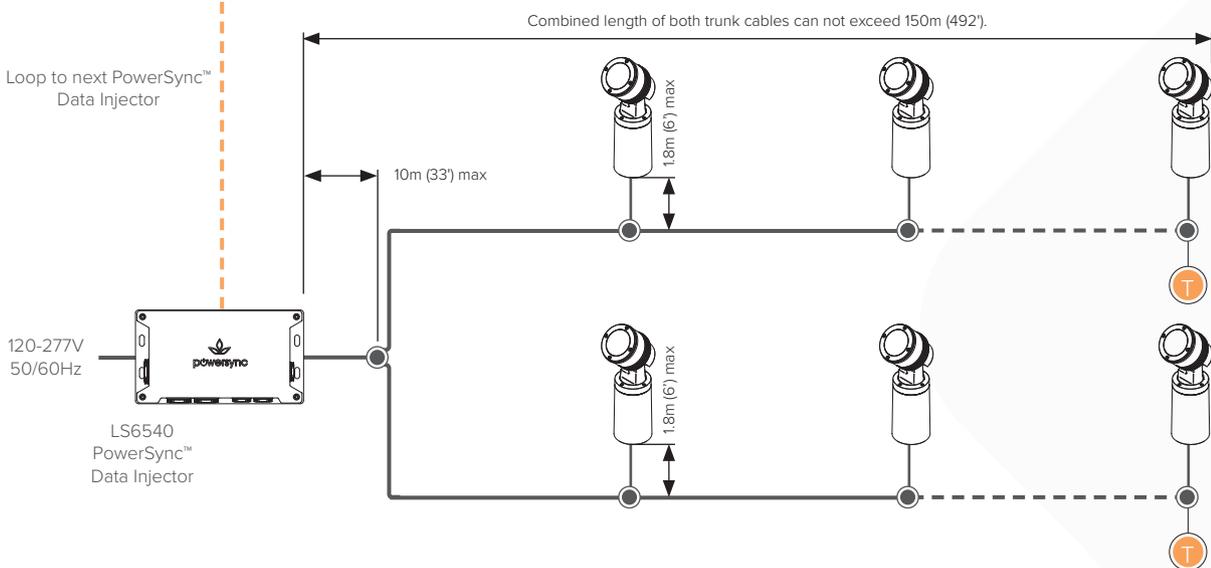Beam Orientation for the "NV" and "WV" optical system

## Network Topology - PowerSync™ Dimmable - Mains Voltage

### PowerSync™ Topology 1 - Single Trunk Cable

150m (492') max

Control Signal

6' (1.8m) max

120-277V
50/60Hz

LS6540
PowerSync™
Data Injector

### PowerSync™ Topology 2 - Split Trunk Cable

Combined length of both trunk cables can not exceed 150m (492').

Loop to next PowerSync™
Data Injector

10m (33') max

1.8m (6') max

120-277V
50/60Hz

LS6540
PowerSync™
Data Injector

1.8m (6') max

### 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'), 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

**T 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.

### Maximum Circuit Load

| Maximum Number of Interconnected Fixtures | | |
|---|---|---|
| Voltage | 12A | 16A |
| 120V | 30 | 45 |
| 240V | 45 | 45 |
| 277V | 45 | 45 |

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.

# 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] |