On when it matters most.

Products and solutions that protect your business
Compliances

- ANSI C136.31-2001
- ANSI C136.32-2006
- ANSI C136.37-2011
- ASTM B117-97 salt spray (3000 hours)
- Conforms with CALTRANS vibration test 611 – 3G vibration (2,000,000 cycles)
- IDA Dark Sky
- RoHS

Compliances

- RP-8-00 (R2005)
- IEC 60529 (IP66)
- ANSI 1012
- ANSI C 136.15-2011
- ANSI/IEEE C62.41.2-2002
- ANSI/NEMA/ANSLG C78.377-2008
- ANSI C136.2-2004 (R2009)
- ANSI C136.3-2005
- ANSI C136.10-2006
- ANSI C136.21-2004
- ANSI C136.25-2009/IEC 60529
StreetSense LED Street Light - UL

Features and Benefits

Patented Optics

Precision optics and unique mechanical design delivers precise light placement and uniform illumination while minimizing light trespass

- Uniform light distribution delivering sharp cut-off
- Precision, injection molded and coated highly specular vacuum-metalized reflectors
- Dedicated IP66 sealed optical cavities feature optically optimized glass lenses maximizing efficacy and control of distribution from each light engine module
- Optical light engines are optimally aimed to maximize light collection and directional distribution onto the application area

- High brightness LEDs deliver exceptional fixture efficacy (up to 84 lm/W) in a choice of color temperatures; Cool (5000K ± 300), Neutral (4300K ± 300), typical CRI of 70
- Scotopic to photopic (S/P ratio) of LED is 1:1.6 for 4000K
- No UV or IR emissions
- Optional black anodized house-side shield is available to further reduce back-side light trespass in residential areas

Innovative Design

Designed for new construction and easy retrofit of existing HID cobra heads.

- High grade aluminum alloy A360 construction for superior strength and durability
- Wide, angled troughs are self-cleaning to prevent debris build-up between heat sink fins

- Vent openings in light engine casting paired with fins increased air flow velocity providing exceptional passive thermal management
- Metal clad LED PCBs are secured directly to the cast aluminum housing for superior thermal transfer
- Thermal protection circuitry prevents internal temperatures from reaching high levels, increasing long term reliability and allowing operation up to 65°C
- Rugged cast aluminum housing is subjected to a multistage (cleaning and sealing) per process AAMA 2604 and top coated with a super durable, polyester powder coated finish.
- Finish is resistant to blistering, excessive fading or corrosion during warranty period
StreetSense LED Street Light - UL

Features and Benefits

- Rugged heavy gauge, 4 bolt, aluminum clamp with stainless steel hardware secures fixture to pole arm
- Adjustable pole mount clamp can accommodate up to 2” IP (2.375” OD) pipe with provision for adjustment of ± 5° at 2.5° increments
- Unique hinged polycarbonate bottom cover provides tool-less access to terminal blocks and pole arm via a single trigger-latch
- Terminal block sized to allow for wire gauge from #14 AWG to #6 AWG and is accessible from underside of fixture

- Salt spray tested for corrosion - 3,000 hours per ASTM B117-97
- Withstands shock & vibration to Caltrans 611 levels – 3.0G peak-to-peak, 2 million cycles
- Stainless steel, SAE, captive hardware
- Large, easy to read two axis bubble level for quick and efficient fixture leveling during installation

Electrical

Rugged driver design and thermal management system ensure maximum energy efficiency and reliability.

- Dialight’s custom IP65 rated LED drivers are constant current sources well suited for the load and the particular lighting application
- Field replaceable, primary fused, output isolated drivers are fully potted and encased in an aluminum extrusion for EMI noise immunity and thermal protection

- Safety grommets in casting through-holes prevent abrasions to electrical wire insulation
- Robust, integrated standard ----10kV/10kVA surge protection circuitry incorporate MOVs designed to clamp line voltages to safe levels per ANSI/IEEE C62.41.2-2002 Cat C
- 7 year full performance warranty
- Factory burn-in (24 hr to avoid infant fatality)
StreetSense LED Street Light - UL
Standard Models

Certifications & Ratings
- UL1598 (suitable for wet locations)
- UL8750
- UL1012
- UL1449
- CE
- CSA C22.2 No. 250.0-08
- IP66 (optics & driver)

Mechanical Information:

### Fixture weight:
- 65W, 83W: 16lbs (7.26kg)
- 131W, 165W: 25lbs (11.34kg)
- 190W, 252W: 34lbs (15.42kg)

### Shipping weight:
- 65W, 83W: 21lbs (12kg)
- 131W, 165W: 30lbs (16kg)
- 190W, 252W: 39lbs (20kg)

### Mounting:
Accommodates 1.25" (1.66" OD) - 2" (2.375" OD) - 50.8mm (60.32mm OD) pipe. Provision for adjustment of +/- 5° at 2.5° increments.

### EPA (Sq. ft):
- 65W, 83W: 0.60
- 131W, 165W: 0.87
- 190W, 252W: 1.13

Electrical Specifications:

### Operating Voltage:
- 100 - 277V AC, 50/60 Hz
- 347 - 480V AC, 50/60 Hz

### Total system power consumption:
See table

### Operating Temp:
40°F to 165°F (-40°C to 74°C) ambient

### Terminal Block:
- #14 AWG (1.6mm) to #6 AWG (4.1mm) wire and accessible via hinged tool less entry

### Noise requirement /EMC:
FCC Title 47, Subpart B, Section 15, class A device. RF Immunity; 10V/m, 80MHz-1GHz

### Transient protection:
Open circuit surge protection 10kV standard per ANSI/IEEE C62.41. 2.2002 cat C high

### THD:
<20%

### Power Factor:
> 0.9

Construction:

### Housing:
Copper free aluminum

### Finish:
Superior dual coat finish
- Sealed polyester topcoat
- Chemical-resistant epoxy primer

### Lens:
Optically optimized, tempered glass

### Photo controller socket:
Standard NEMA three prong twist lock, socket with shorting cap, as per ANSI C136.10

Photometric Information:

### CRI:
>70

### CCT:
- 5000K (cool white)
- 4300K (neutral white)

### Optics:
IES Type III

All values typical unless otherwise stated (tolerance +/- 10%)
### StreetSense LED Street Light - UL

#### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Number of Light Engines</th>
<th>EPA (SQ. ft)</th>
<th>BUG Rating</th>
<th>Voltage</th>
<th>Lens</th>
<th>CCT</th>
<th>Fixture Lumens</th>
<th>Watt</th>
<th>LPW</th>
<th>Optical Pattern</th>
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</thead>
<tbody>
<tr>
<td>SL3C5CLGG</td>
<td>1</td>
<td>0.60</td>
<td>B1U1G1</td>
<td>100 - 277V AC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>5,500</td>
<td>65</td>
<td>85</td>
<td>Type III</td>
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<tr>
<td>SL3C5DLGG</td>
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<td>0.60</td>
<td>B2U1G2</td>
<td>100 - 277V AC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>6,800</td>
<td>83</td>
<td>82</td>
<td>Type III</td>
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<tr>
<td>SL3C5HLGG</td>
<td>2</td>
<td>0.87</td>
<td>B2U1G2</td>
<td>100 - 277V AC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>10,900</td>
<td>131</td>
<td>83</td>
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<td>B3U1G3</td>
<td>100 - 277V AC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>13,300</td>
<td>165</td>
<td>81</td>
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<td>100 - 277V AC</td>
<td>Tempered glass</td>
<td>5000K (cool white)</td>
<td>20,250</td>
<td>252</td>
<td>80</td>
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<tr>
<td>SL3C7CLGG</td>
<td>1</td>
<td>0.60</td>
<td>B1U1G1</td>
<td>347 - 480V AC</td>
<td>Tempered glass</td>
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All values typical unless otherwise stated. Lumen values are typical (tolerance +/- 10%). Part numbers listed in the above table are cool white. For neutral white model, replace the 4th character with N. Ex: SL3C5CLGG becomes SL3N5CLGG.

Part numbers listed in the above table are cool white. For neutral white model, replace the 4th character with N. Ex: SL3C5CLGG becomes SL3N5CLGG.
StreetSense LED Street Light - UL

Mounting and Accessories

SLSHIELDKIT
- House side shield

SL-PC01R
- 105 - 305V AC Photocontroller

SL-PC02R
- 312 - 382V AC Photocontroller

SL-PC03R
- 432 - 528V AC Photocontroller
StreetSense LED Street Light - UL
Light Distribution and Measurement Data - IES Type III

- Location of streetlight
Spacing of each box is equal to mounting height in feet (meters).
Ex: 40’ (12.2m) mounting height = each box is 40’ (12.2m), 30’ (9.1m) mounting height = each box is 30’ (9.1m)
Values shown are for cool white and neutral white units, for warm white multiply the Fc or Lux value by .82

### 65 Watt

<table>
<thead>
<tr>
<th>Mounting Height</th>
<th>10’ (3.0m)</th>
<th>15’ (4.6m)</th>
<th>20’ (6.1m)</th>
<th>25’ (7.6m)</th>
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<tbody>
<tr>
<td>Multiplier</td>
<td>6.25</td>
<td>2.778</td>
<td>1.563</td>
<td>1</td>
<td>0.694</td>
<td>0.51</td>
<td>0.391</td>
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# StreetSense LED Street Light - UL

## Light Distribution and Measurement Data - IES Type III

### 131 Watt

#### Iso-Illuminance Chart

![Iso-Illuminance Chart](image1)

#### Intensity Distribution Curve (cd)

![Intensity Distribution Curve (cd)](image2)

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### 165 Watt

#### Iso-Illuminance Chart

![Iso-Illuminance Chart](image3)

#### Intensity Distribution Curve (cd)

![Intensity Distribution Curve (cd)](image4)

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- **Mounting height - 25' (7.6m)**
- **Location of streetlight**
- Spacing of each box is equal to mounting height in feet (meters).
- Ex: 40' (12.2m) mounting height = each box is 40' (12.2m), 30' (9.1m) mounting height = each box is 30' (9.1m)
- Values shown are for cool white and neutral white units, for warm white multiply the Fc or Lux value by .82
StreetSense LED Street Light - UL

Light Distribution and Measurement Data - IES Type III

65 Watt

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