

.....Dialight

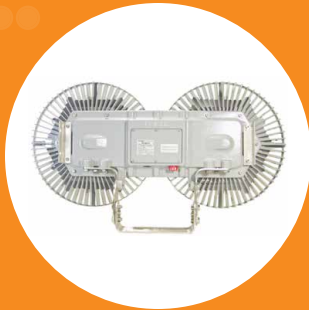


StreetSense® LED Street Light - ATEX / IECEx
for Roadway and Area Illumination



On when it matters most.

Products and solutions that protect your business





Compliances

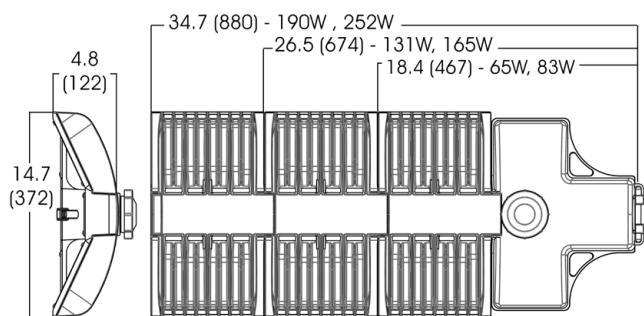
- RP-8-00 (R2005)
- IEC 60529 (IP66)
- ANSI 1012
- ANSI C 136.15-2011
- ANSI/IEEE C62.41.2-2002
- ANSI/NEMA/ANSLG C78.377-2008
- ANSI C136.2-2004 (R2009)
- ANSI C136.3-2005
- ANSI C136.10-2006
- ANSI C136.21-2004
- ANSI C136.25-2009/IEC 60529

Compliances

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

StreetSense LED Street Light - ATEX / IECEx

Standard Models



Dimensions in inches (mm)

Certifications & Ratings

- UL1598 (suitable for wet locations)
- ATEX / IECEx Zone 2
- CSA C22.2 No. 250.0-08
- CE
- IP65 (a cable gland with a minimum ingress protection rating of IP54 is required to maintain certification)

Mechanical Information:

Fixture weight:

1 light engine:	16lbs (7.26kg)
2 light engines:	25lbs (11.34kg)
3 light engines:	34lbs (15.42kg)

Shipping weight:

1 light engine:	21lbs (12kg)
2 light engines:	30lbs (16kg)
3 light engines:	39lbs (20kg)

Mounting:

Accommodates 1.25" (1.66" OD) - 2" (2.375" OD) 31.75mm (42.16mm OD) - 50.8mm (60.32mm OD) pipe. Provision for adjustment of +/- 5° at 2.5° increments

EPA (Sq. ft):

1 light engine:	0.60
2 light engines:	0.87
3 light engines:	1.13

Electrical Specifications:

Operating Voltage:

Universal inputs
100 - 277V AC, 50/60 Hz

Total system power consumption:

See table

Operating Temp:

-40°F to 165°F (-40°C to 74°C) ambient

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:

<15% (100 - 240V AC)
<20% (277V AC)

Power Factor:

> 0.9

Construction:

Housing:

Die cast aluminum alloy A360
Polymetric materials UL94 flame retardant materials

Finish:

Polyester powder coat for superior corrosion resistance, Gray - RAL 7040

Lens:

Optically optimized, 6mm tempered glass

Photometric Information:

CRI:

70

CCT:

4300K (neutral white)

Optics:

IES Type III

All values typical unless otherwise stated (tolerance +/- 10%)

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Ordering Information and Mounting Accessories

Part Number	Number of Light Engines	EPA (SQ. ft)	BUG Rating	Voltage	Lens	CCT	Fixture Lumens	Watt	LPW	Optical Pattern
SLA3N4CG	1	0.60	B1U1G1	100 - 277V AC	Tempered glass	4300K (neutral white)	5,500	65	85	Type III
SLA3N4HG	2	0.87	B2U1G2	100 - 277V AC	Tempered glass	4300K (neutral white)	10,900	131	83	Type III
SLA3N4SG	3	1.13	B3U1G3	100 - 277V AC	Tempered glass	4300K (neutral white)	20,250	252	80	Type III

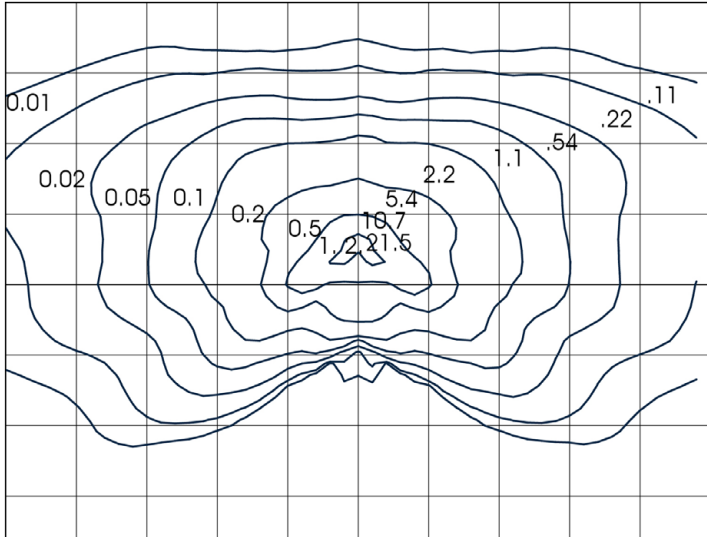
All values typical unless otherwise stated, Lumen values are typical (tolerance +/- 10%).

StreetSense LED Street Light - ATEX / IECEx

Light Distribution and Measurement Data - IES Type III

65 Watt

Iso-Illuminance Chart



Mounting height - 25' (7.6m)

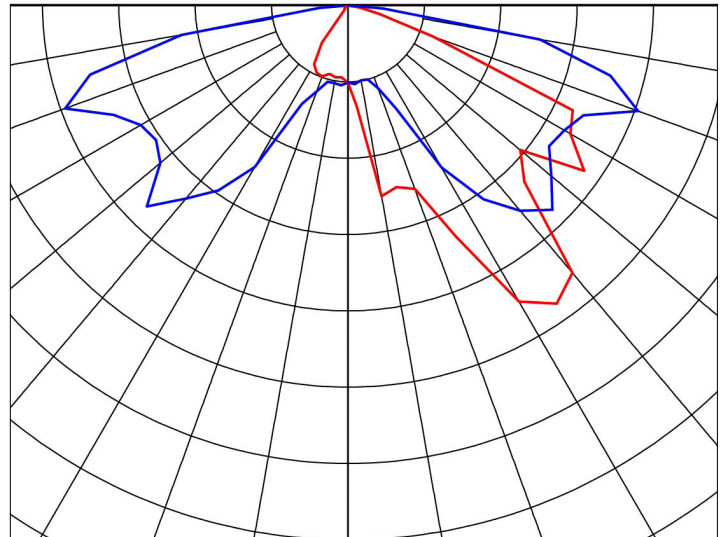
- Location of streetlight

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)

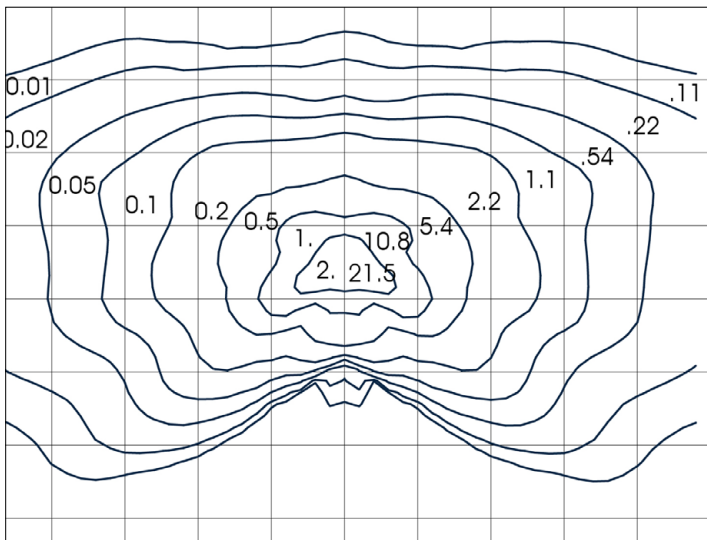
Values shown are for cool white and neutral white units, for warm white multiply the Fc or Lux value by .82

Intensity Distribution Curve (cd)



131 Watt

Iso-Illuminance Chart



Mounting height - 30' (9.1m)

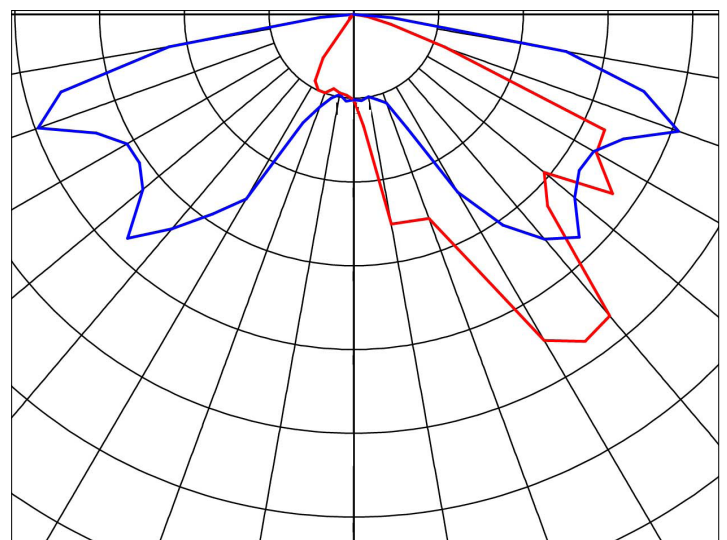
- Location of streetlight

Spacing of each box is equal to mounting height in feet (meters).

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Values shown are for cool white and neutral white units, for warm white multiply the Fc or Lux value by .82

Intensity Distribution Curve (cd)



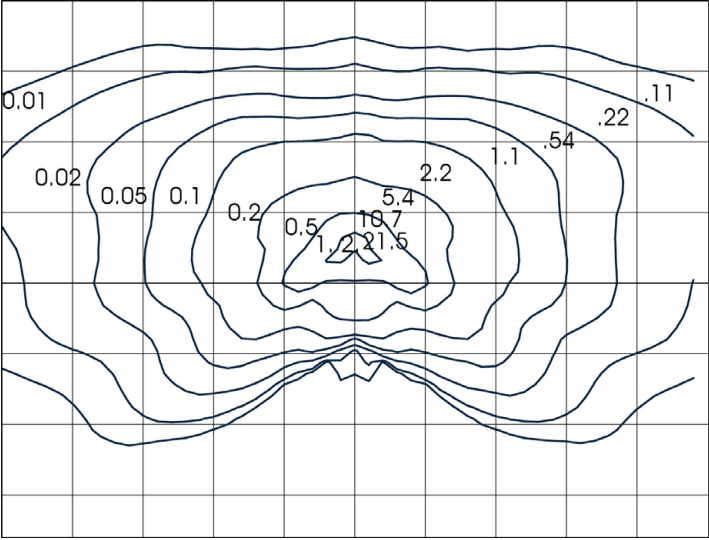
Mounting Height	10' (3.0m)	15' (4.6m)	20' (6.1m)	25' (7.6m)	30' (9.1m)	35' (10.7m)	40' (12.7m)	45' (13.4m)	50' (15.2m)
Multiplier	6.25	2.778	1.563	1	0.694	0.51	0.391	0.309	0.25

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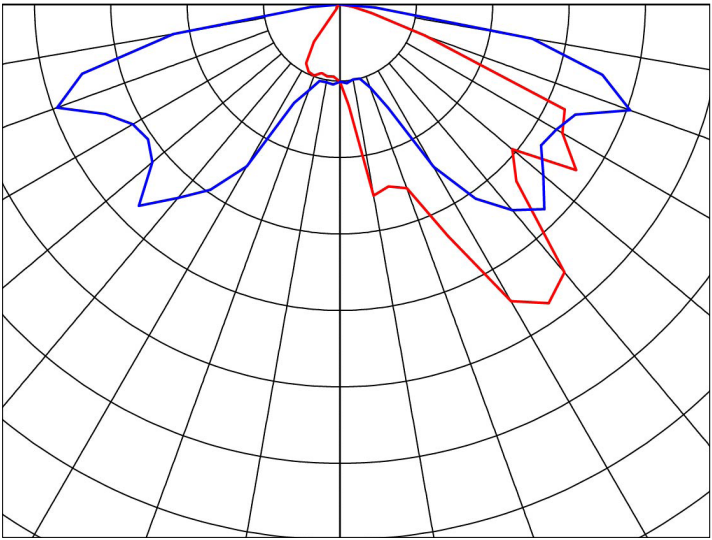
Light Distribution and Measurement Data - IES Type III

252 Watt

Iso-Illuminance Chart



Intensity Distribution Curve (cd)



Mounting height - 40' (12.1m)
- 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

Mounting Height	10' (3.0m)	15' (4.6m)	20' (6.1m)	25' (7.6m)	30' (9.1m)	35' (10.7m)	40' (12.7m)	45' (13.4m)	50' (15.2m)
Multiplier	16.000	7.111	4.000	2.560	1.778	1.306	1.000	0.790	0.640

