Features

Dimmable
Flicker-Free
In-line Connection
Long Life
Instant On
RoHS Compliant
Lead Free
Mercury Free
No UV

EcoSpec®
Linear HP INT Wall Wash

EcoSense® EcoSpec® Linear HP INT Wall Wash is an ultra-bright interior linear white light fixture. Brighter than fluorescent tubes, these flicker-free dimmable with ELV dimmers fixtures offer an earth-friendly, mercury-free cove solution. Leveraging years of lighting experience, this robust aluminum-frame fixture features powerful energy efficient LEDs and precision constant-current circuits for long-life applications.

With smart power technology, EcoSpec® Linear HP INT Wall Wash connects directly to AC power; simplifying installation and minimizing costs. These long-life fixtures quickly pay for themselves in energy savings and maintenance costs, providing substantial savings over the 50,000 hour lumen maintenance.

Specifications

Color Temperature	**Lumen Output** (6° x 6°)
2700K	670 lm/LF : 670 (1') / 2680 (4')
3000K	675 lm/LF : 675 (1') / 2700 (4')
4000K	820 lm/LF : 820 (1') / 3280 (4')
Color Rendering Index	80
Lumen Maintenance*	L_{70} 50,000 hours @ 25C
Beam Angle	6° x 6° / 10° x 60° / 17° x 35° / 30° x 60° / 60° x 60°
Power Consumption (Max)	120VAC - 18.2W (1ft) / 72.8W (4ft) 220VAC - 18.5W (1ft) / 74W (4ft) 277VAC - 17W (1ft) / 68W (4ft)
Efficacy (lm/W)	120VAC - 36.8 @2700K / 37 @3000K / 45 @4000K 220VAC - 36.2 @2700K / 36.5 @3000K / 44.3 @4000K 277VAC - 39.4 @2700K / 39.7 @3000K / 48.2 @4000K
Maximum Fixture Run Length	40' (15m) @120VAC / 90' (30m) @220VAC / 100' (35m) @277VAC
Operating Temperature	14°F to 104°F (-10°C to 40°C)
Operating Voltage	100-120VAC, 220-240VAC, 277VAC, 50-60Hz
Dimming	120VAC / 220VAC – ELV Type, Reverse Phase, Trailing Edge Dimming 277VAC – Non-Dim Only
Housing	Aluminum; Clear Polycarbonate Lens
Fixture Connectors	Integral male / female 3-pin connectors
Fixture Rating	CE Certified - IP40 UL Certified for Damp Locations
Warranty	5 Years
Weight	1.54 lbs / 0.7kg (1ft) 6.17 lbs / 2.8kg (4ft)
Dimensions	W 2.9" x H 2.5" x L 12"/48" (74.1mm x 62.5mm x 304/1,219mm)
Certifications	

c UL us LISTED   CE   EKC 05   ✔   CCC   RoHS COMPLIANT

Restriction of Hazardous Substances Directive (RoHS) implements EU Directive 2002/95 which bans placing electrical and hazardous equipment that contains more than agreed levels of hazardous substances on the EU market. For a list of these substances visit www.rohs.gov.uk.

*Calculations for LED fixtures are based on measurements that comply with IES LM-80 testing procedures and IES TM-21 Calculator.

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Ordering Information

Choose the option that best suits your needs and write its corresponding code on the appropriate line to form the product code.

10LC - ___ - ___ - ___ - ___

MODEL	LENGTH	COLOR	VOLTAGE	OPTIC
10 LC	**12** - 1'-0"	**27** - 2700K	**120** - 100-120VAC	**6** - 6° x 6°
	48 - 4'-0"	**30** - 3000K	**220** - 220-240VAC	**10** - 10° x 60°
		35 - 3500K*	**277** - 277VAC**	**17** - 17° x 35°
		40 - 4000K		**30** - 30° x 60°
				60 - 60° x 60°

Order accessories as separate catalogue numbers from the **Accessories** section below.

EXAMPLE: 10LC-12-27-120-30

* 3500K not available in CE (220-240VAC), consult EcoSense Sales Representative for information.

Accessories

Wiring

Leader Cable 10'-0" (UL)*	**INT-A-CBL-120-10**	Leader Cable 10'-0" (CE)*	**INT-A-CBL-220-10**
Jumper Cable 1'-0" (UL)	**INT-A-JMP-120-1**	Jumper Cable 1'-0" (CE)	**INT-A-JMP-220-1**
Jumper Cable 5'-0" (UL)	**INT-A-JMP-120-5**	Jumper Cable 5'-0" (CE)	**INT-A-JMP-220-5**
Jumper Cable 4" (UL)	**INT-A-JMP-120-4**	Jumper Cable 4" (CE)	**INT-A-JMP-220-4**

* One (1) terminator is included standard with each Leader Cable
** The 120VAC (UL) Accessory Cables are also rated for 277VAC use

Mounting

Adjustable Hinged Clips	**10-A-MNT-ADJ**	
Flat Mounting Plate	**10-A-MNT-FLAT**	(Included with each product length.)

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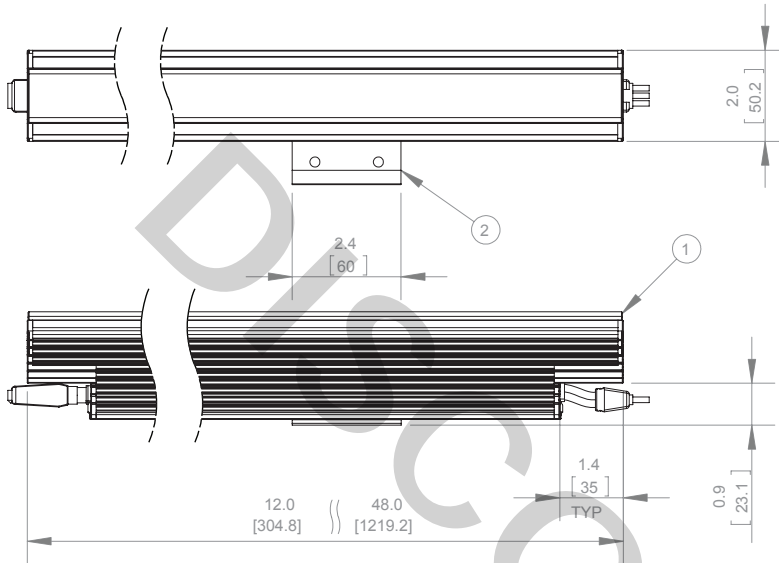(V. 03.22-2013)

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Dimension and Mounting
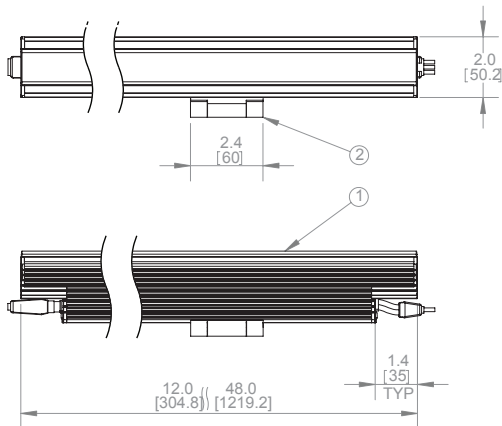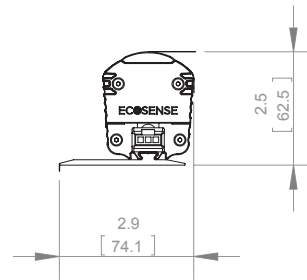For complete dimensional submittal drawings and full scale CAD drawings, please visit ecosenselighting.com.
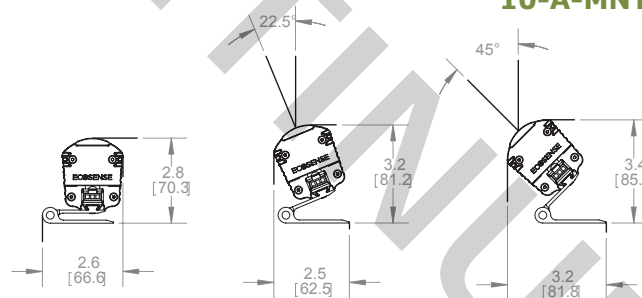

Flat Mounting Plate – Direct Mount

10-A-MNT-FLAT

2.0 [50.2]

2.4 [60]

12.0 [304.8] 48.0 [1219.2]

1.4 [35] TYP

0.9 [23.1]

2.5 [62.5]

2.9 [74.1]

Adjustable Bracket – Direct Mount

10-A-MNT-ADJ

2.0 [50.2]

2.4 [60]

12.0 [304.8] 48.0 [1219.2]

1.4 [35] TYP

2.8 [70.3]

2.6 [66.6]

22.5°

3.2 [81.2]

2.5 [62.5]

45°

3.4 [85.4]

3.2 [81.8]

DIMENSION IN
INCHES / [MM]

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Fixture Distribution

6° 3° 3°   6° 3° 3°

10LC-XX-XX-XXX-6
6° x 6°

60° 30° 30°   10° 5° 5°
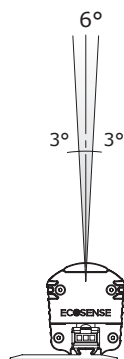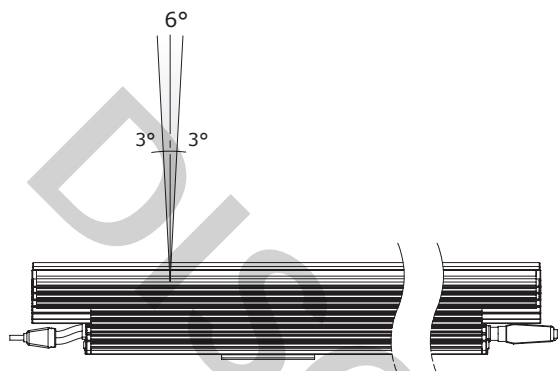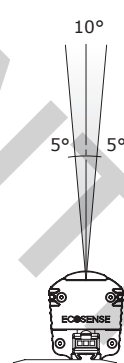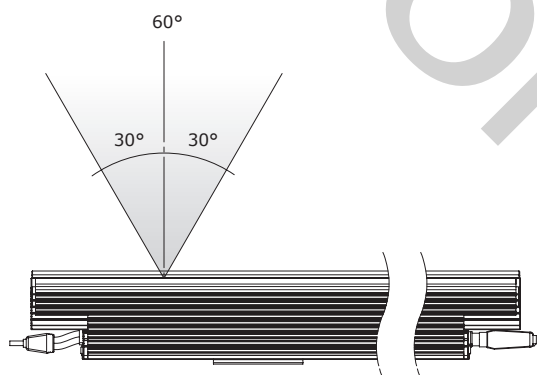
10LC-XX-XX-XXX-10
10° x 60°

35° 17.5° 17.5°   17° 8.5° 8.5°

10LC-XX-XX-XXX-17
17° x 35°

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Fixture Distribution

60°
30° **30°**

30°
15° **15°**
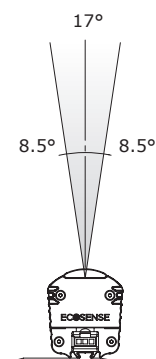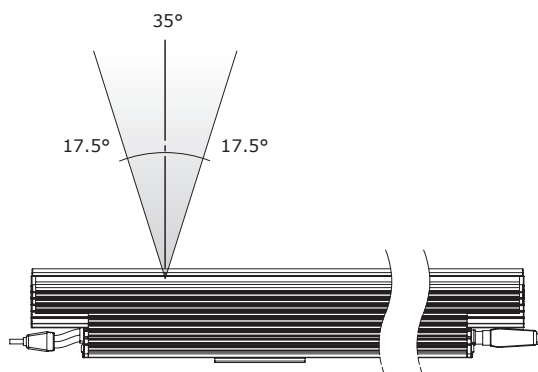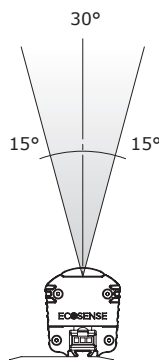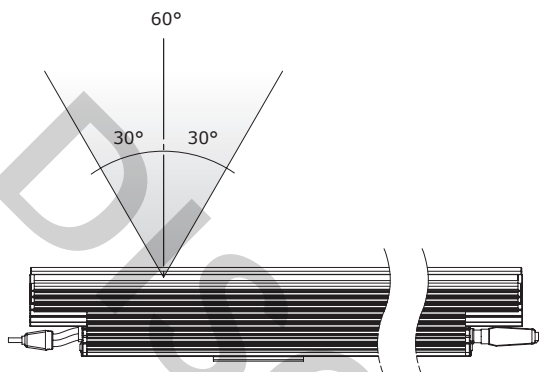
10LC-XX-XX-XXX-30
30° x 60°

60°
30° **30°**

60°
30° **30°**

10LC-XX-XX-XXX-60
60° x 60°

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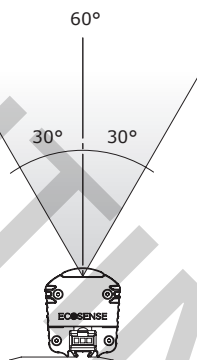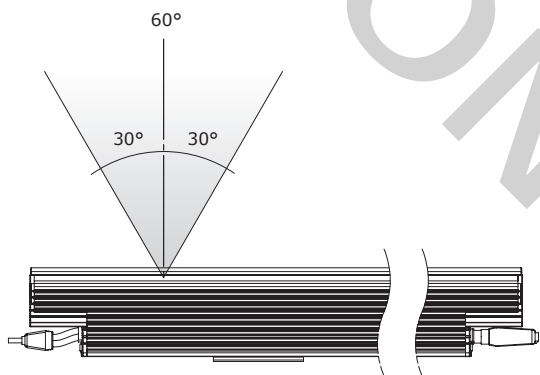
Photometry Characteristics

Characteristics

Total Rated Fixture Lumens	670
Total Luminaire Efficiency	100%
Total Input Watts	15.48W
Horizontal Beam Angle (50%)	10.9
Vertical Beam Angle (50%)	11.9
Horizontal Field Angle (10%)	18.9
Vertical Field Angle (10%)	19.2

Luminance Data (cd/sq. m)

Angle In Degrees	Average 0°	Average 45°	Average 90°
0	1468015	1468015	1468015
45	1225	1429	1429
55	1259	1007	1762
65	1367	342	1025
75	1116	558	1116
85	1657	1657	0

Fixture: 10LC-12-27-120-6

Candela Distribution

IES Direction
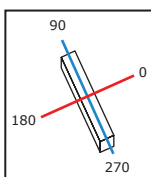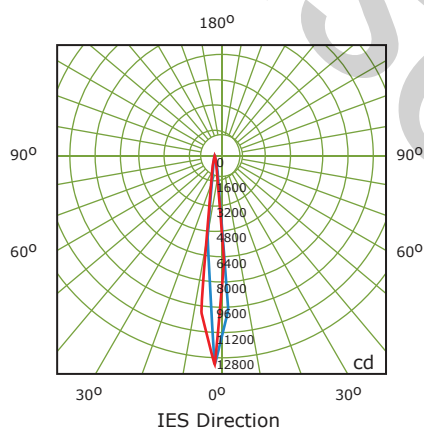
Coefficients of Utilization

RC	80			70			50			30			10			0
RW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0.00
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.13	1.11	1.12	1.11	1.09	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.01	1.00	0.98
2	1.10	1.08	1.06	1.09	1.07	1.05	1.06	1.04	1.03	1.03	1.02	1.00	1.00	0.99	0.98	0.97
3	1.07	1.05	1.02	1.06	1.04	1.02	1.04	1.02	1.00	1.02	1.00	0.99	0.99	0.98	0.97	0.96
4	1.05	1.02	1.00	1.04	1.01	0.99	1.02	1.00	0.98	1.00	0.98	0.97	0.99	0.97	0.96	0.95
5	1.03	1.00	0.98	1.02	0.99	0.97	1.01	0.98	0.97	0.99	0.97	0.96	0.98	0.96	0.95	0.94
6	1.01	0.98	0.96	1.01	0.98	0.96	0.99	0.97	0.95	0.98	0.96	0.95	0.97	0.96	0.94	0.93
7	1.00	0.97	0.95	0.99	0.97	0.95	0.98	0.96	0.94	0.97	0.95	0.94	0.97	0.95	0.93	0.93
8	0.99	0.96	0.94	0.98	0.96	0.94	0.97	0.95	0.93	0.97	0.95	0.93	0.96	0.94	0.93	0.92
9	0.98	0.95	0.93	0.97	0.95	0.93	0.97	0.94	0.93	0.96	0.94	0.92	0.95	0.94	0.92	0.92
10	0.97	0.94	0.92	0.96	0.94	0.92	0.96	0.94	0.92	0.95	0.93	0.92	0.95	0.93	0.92	0.91

Photometrics by an independant lab in accordance with current IES published Procedures.

Lumen measurements comply with IES LM-79-08.

IES data is available at www.ecosenselighting.com

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