

Features

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



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(V. 03.22-2013)

EcoSpec®

Linear HP INT Wall Wash

| | |
|----------|-------|
| DATE: | TYPE: |
| PROJECT: | |
| FIRM : | |

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* | L70 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 | |

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" 48 - 4'-0" | 27 - 2700K 30 - 3000K 35 - 3500K* 40 - 4000K | 120 - 100-120VAC 220 - 220-240VAC 277 - 277VAC** | 6 - 6° x 6° 10 - 10° x 60° 17 - 17° x 35° 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

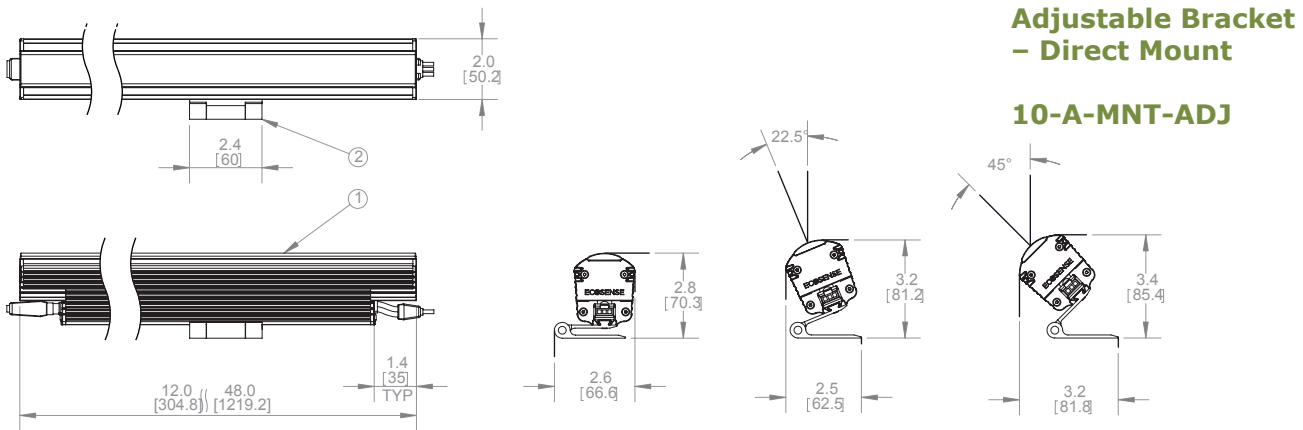
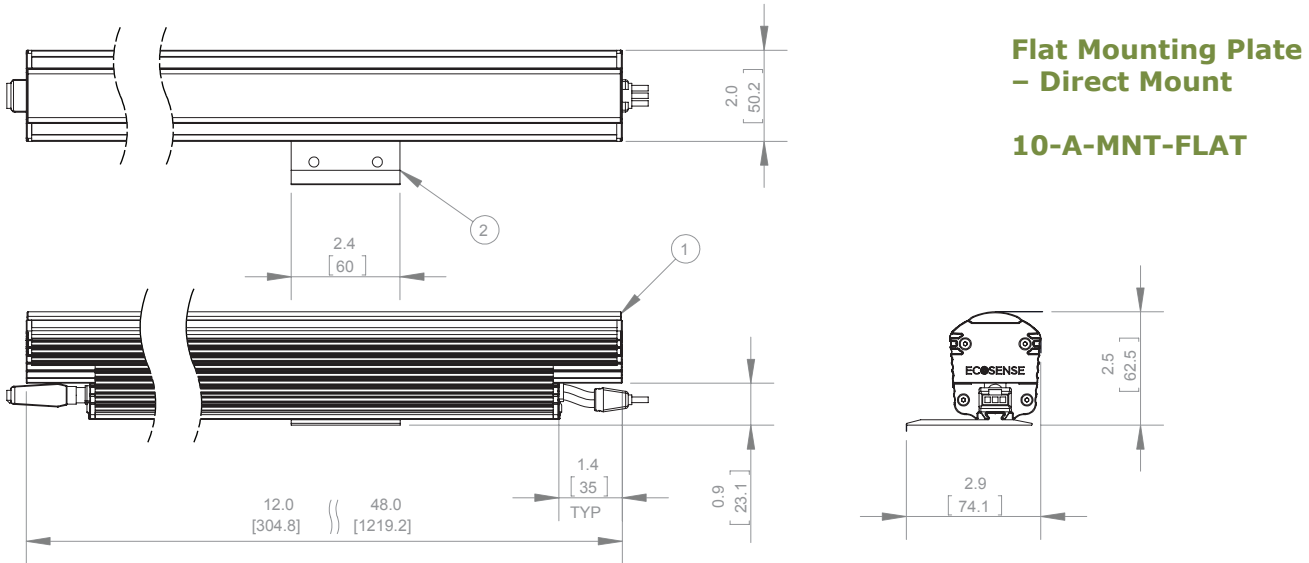
| | |
|-------------------------|---|
| Adjustable Hinged Clips | 10-A-MNT-ADJ |
| Flat Mounting Plate | 10-A-MNT-FLAT (Included with each product length.) |

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Linear HP INT Wall Wash

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



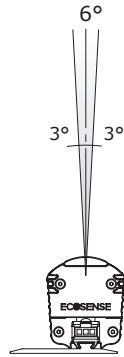
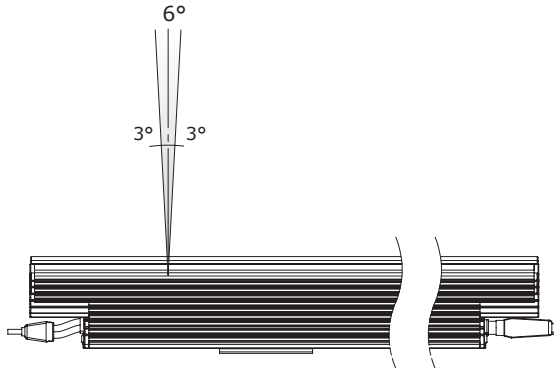
DIMENSION IN
INCHES / [MM]

| | |
|----------|-------|
| DATE: | TYPE: |
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| FIRM : | |

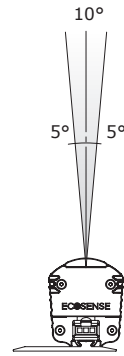
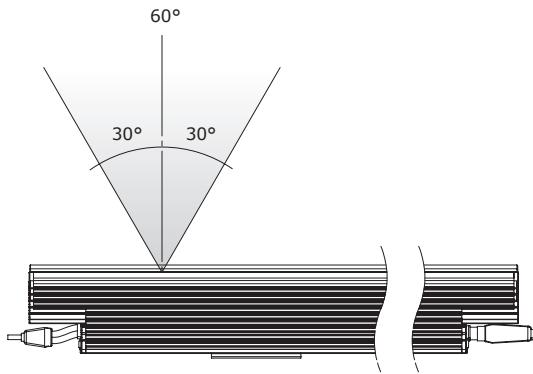
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Linear HP INT Wall Wash

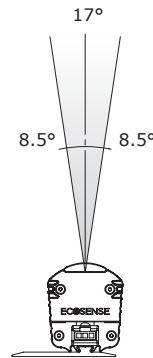
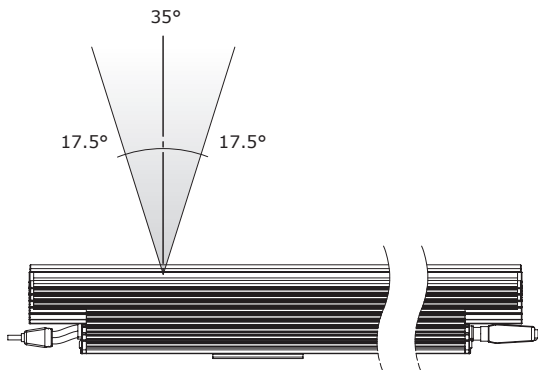
Fixture Distribution



10LC-XX-XX-XXX-6
6° x 6°



10LC-XX-XX-XXX-10
10° x 60°



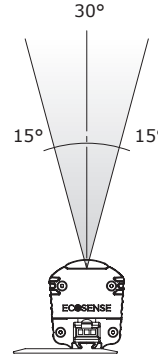
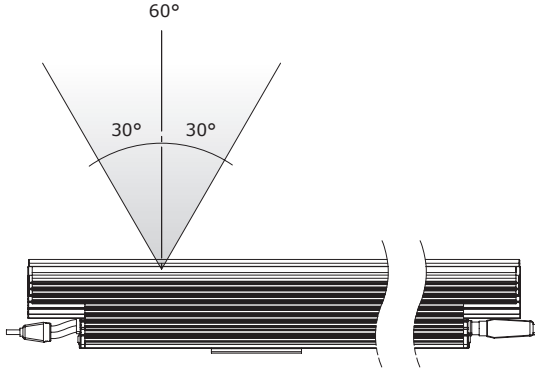
10LC-XX-XX-XXX-17
17° x 35°

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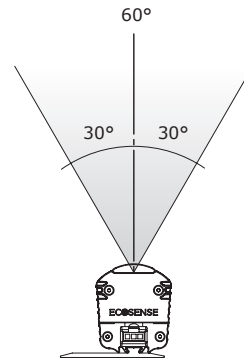
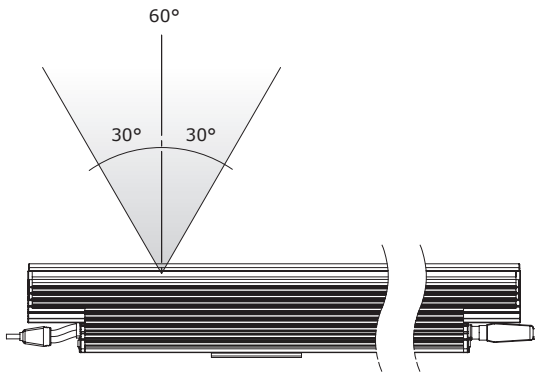
Linear HP INT Wall Wash

Fixture Distribution

| | |
|----------|-------|
| DATE: | TYPE: |
| PROJECT: | |
| FIRM : | |



10LC-XX-XX-XXX-30
30° x 60°



10LC-XX-XX-XXX-60
60° x 60°

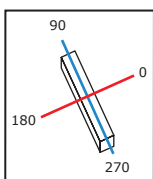
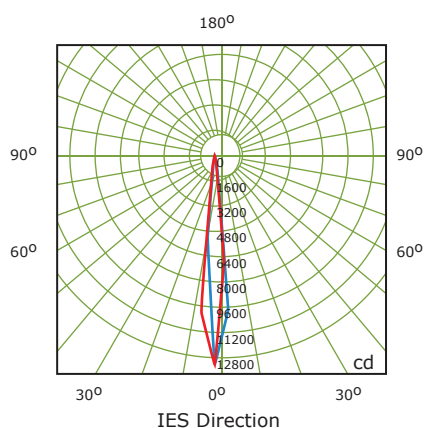
Photometry Characteristics

| 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



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 independent lab in accordance with current IES published Procedures.

Lumen measurements comply with IES LM-79-08.

IES data is available at www.ecosenselighting.com