

## OVERVIEW / SPECIFICATION



EcoSpec® Linear INT - is designed with a slim profile and integral brackets with 180° vertical rotation adjustability providing versatility making this luminaire ideally suited for interior architectural, hospitality, retail, exhibit, and display applications. With 90 CRI it is perfect for display and retail lighting. Patent-pending dimming technology dims down to 0% output power.

### Features:

- **90+ CRI**
- **Simple Installation**
- **In-line Connection**
- **High Efficacy**
- **Integral Driver / AC Power**
- **Dimmable: ELV (RP), 0-10V**
- **Dimming at 120V, 220V, and 277V**
- **Dimming down to 0%**
- **Long Life (L70)**

| PERFORMANCE<br>ADDITIONAL INFORMATION ON NEXT PAGE                                                                                | CCT (K)                         | Optic                                                                                                                                                                                                                       | Lumen Output                                                                        |                                                                                      | Efficacy (lm/W)                                                                       |                                                                                       |                        |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------|
|                                                                                                                                   |                                 |                                                                                                                                                                                                                             | 12"                                                                                 | 48"                                                                                  |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | 2700K                           | 120°x120°                                                                                                                                                                                                                   | 146 lm/LF                                                                           | 584 lm                                                                               | 57.8lm/W                                                                              |                                                                                       |                        |
|                                                                                                                                   | 3000K                           | 120°x120°                                                                                                                                                                                                                   | 150 lm/LF                                                                           | 600 lm                                                                               | 58.6lm/W                                                                              |                                                                                       |                        |
|                                                                                                                                   | 3500K                           | 120°x120°                                                                                                                                                                                                                   | 170 lm/LF                                                                           | 680 lm                                                                               | 67.4lm/W                                                                              |                                                                                       |                        |
|                                                                                                                                   | 4000K                           | 120°x120°                                                                                                                                                                                                                   | 168 lm/LF                                                                           | 672 lm                                                                               | 63.6lm/W                                                                              |                                                                                       |                        |
| * Performance data is from LM-79 and LM-63 testing at typical power input                                                         |                                 |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Color Rendering Index           | 90+                                                                                                                                                                                                                         |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Color Consistency               | 2 Step MacAdam Ellipse                                                                                                                                                                                                      |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Lumen Depreciation / Rated Life | L70 >60,000 hours @ 25°C*                                                                                                                                                                                                   |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
| * Calculations for LED fixtures are based on measurements that comply with IES LM-80 testing procedures and IES TM-21 Calculator. |                                 |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
| ELECTRICAL                                                                                                                        | Power Consumption               | 2.6W/LF Typical (The Typical input power range allows for a +/-10% variation of all components)<br>3W/LF Maximum (All fixtures are labelled with Maximum wattage)                                                           |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Max Fixture Run Length          | 140' (40m) @120VAC; 280' (80m) @220VAC ; 200' (60m) @277VAC                                                                                                                                                                 |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Power Factor                    | 0.90                                                                                                                                                                                                                        |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Operating Voltage               | 100-120VAC, 220-240VAC, 277VAC, 50/60 Hz (all voltages)                                                                                                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Driver                          | Integral to Fixture; De-rated Power and Synchronous Start-up at Full Brightness                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Startup Temperature             | -4°F to 122°F (-20°C to 50°C)                                                                                                                                                                                               |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Operating Temperature           | -4°F to 122°F (-20°C to 50°C)                                                                                                                                                                                               |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Storage Temperature             | -40°F to 176°F (-40°C to 80°C)                                                                                                                                                                                              |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
| CONTROL                                                                                                                           | Dimming                         | 100-120VAC ELV type, Reverse Phase, Trailing Edge<br>220-240VAC ELV type, Reverse Phase, Trailing Edge<br>277VAC ELV type, Reverse Phase, Trailing Edge<br>120VAC / 277VAC, 0-10V with Linear Dimming Control Module (LDCM) |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   |                                 |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
| PHYSICAL                                                                                                                          | Dimensions                      | W 2.0" x H 1.4" x L 12"/48"; (52mm x 35.7mm x 304mm/1,219mm)                                                                                                                                                                |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Housing / Lens                  | Extruded Aluminium; Clear Polycarbonate; Stainless Steel Fasteners<br>Plastic Endcaps with Plastic/Rubber Overmold for Cable Assembly                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Weight                          | 0.496lbs. / 0.225kg (1ft) ; 1.61lbs. / 0.73kg (4ft)                                                                                                                                                                         |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Connectors                      | Integral Male/ Female 3 Pin Connectors on Pigtail Cable Assembly, IP40 Rated                                                                                                                                                |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Environment                     | Indoor; CE Certified IP40 / ETL Certified for Dry/Damp Locations                                                                                                                                                            |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Beam Angle                      | Clear Lens: 120°x 120°, Frosted Lens Accessory Available                                                                                                                                                                    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Mounting Options:               | Integral Adjustable 180° Rotation Brackets                                                                                                                                                                                  |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
| FIXTURE RATING & CERTIFICATIONS                                                                                                   | CE, ENEC, C-Tick Certified, CCC |                                                                                                                                          |  |  |  |  | California<br>Title 24 |
|                                                                                                                                   | ETL Certified                   |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | RoHS Compliant                  |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
|                                                                                                                                   | Title 24                        |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |
| LIMITED WARRANTY                                                                                                                  | 5 Years                         |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                        |



EcoSense THD/Inrush Current Information: Please contact an EcoSense Lighting sales representative

\*\*Title 24 is certified to LCISH-12-27-120-120 & LCILH-12-27-120-120

## ORDERING

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

| LCISH / LCILH                                                                                                                                                       | -        | -          | -                | 120               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|------------------|-------------------|
| MODEL                                                                                                                                                               | LENGTH   | COLOR      | VOLTAGE          | OPTIC             |
| LCISH#                                                                                                                                                              | 12 - 12" | 27 - 2700K | 120 - 100-120VAC | 120 - 120° x 120° |
| LCILH                                                                                                                                                               | 48 - 48" | 30 - 3000K | 220 - 220-240VAC |                   |
|                                                                                                                                                                     |          | 35 - 3500K | 277 - 277VAC**   |                   |
|                                                                                                                                                                     |          | 40 - 4000K |                  |                   |
| <b>EXAMPLE:</b> LCIS - 12 - 27 - 120 - 120 (*Linear Cove Interior Standard Power High CRI)<br>LCIL - 12 - 27 - 120 - 120 (*Linear Cove Interior Low Power High CRI) |          |            |                  |                   |
| # See Linear INT Standard Power Spec Sheet for more details                                                                                                         |          |            |                  |                   |

### Wiring Options

|                                      |                    |                                     |                    |
|--------------------------------------|--------------------|-------------------------------------|--------------------|
| *INT Leader Cable, 3 Pin, 10ft, 110V | INT3P-A-LDR-120-10 | INT Leader Cable, 3 Pin, 10ft, 220V | INT3P-A-LDR-220-10 |
| INT Jumper Cable, 3 Pin, 5ft, 110V   | INT3P-A-JMP-120-05 | INT Jumper Cable, 3 Pin, 5ft, 220V  | INT3P-A-JMP-220-05 |
| INT Jumper Cable, 3 Pin, 1ft, 110V   | INT3P-A-JMP-120-01 | INT Jumper Cable, 3 Pin, 1ft, 220V  | INT3P-A-JMP-220-01 |
| INT Jumper Cable, 3 Pin, 4in, 110V   | INT3P-A-JMP-120-4  | INT Jumper Cable, 3 Pin, 4in, 220V  | INT3P-A-JMP-220-4  |

\* One (1) Terminator included standard with each leader cable.

One Leader Cable is required per circuit / fixture run. Leader cable has bare leads one end, female connector opposite end. Leader / Jumper cables are not rated for plenum applications.

\*\*The 120VAC cables are also rated for 277VAC use.

### Control Options

|                                                                        |                         |
|------------------------------------------------------------------------|-------------------------|
| 100-120VAC / 277VAC Linear Dimming Control Module 0-10V                | LDCM-120-277-010V-GR    |
| 100-120VAC / 277VAC Linear Dimming Control Module 0-10V - Plenum Rated | LDCM-PL-120-277-010V-GR |

### Mounting Options

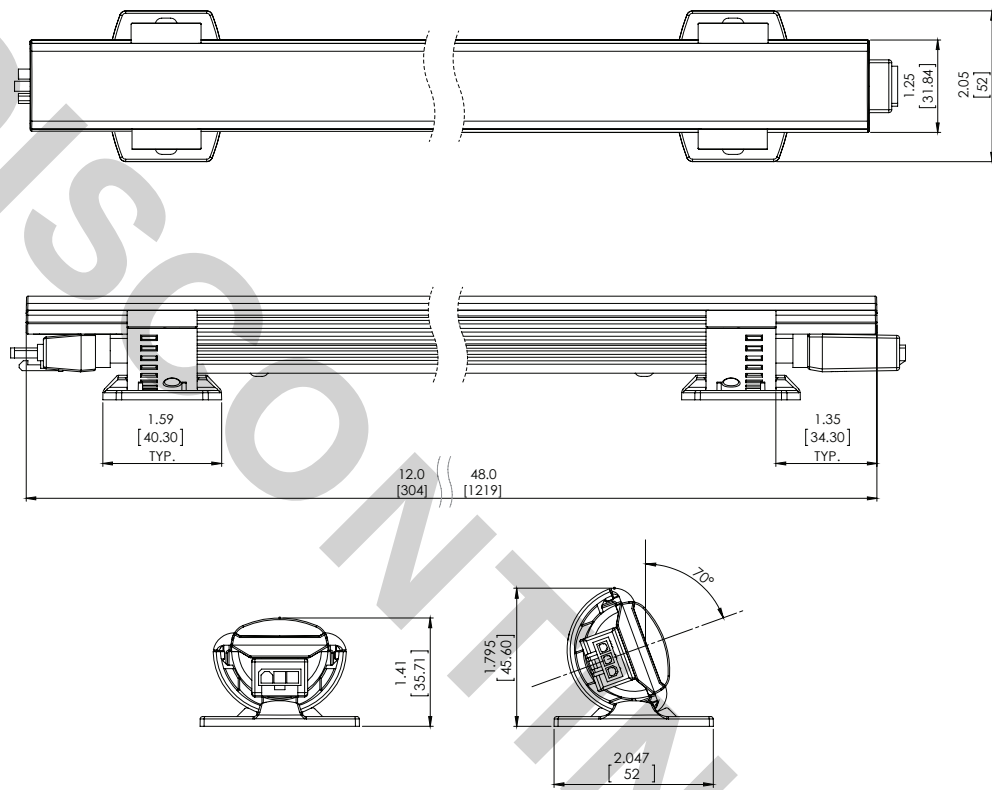
|                                    |                                                                  |
|------------------------------------|------------------------------------------------------------------|
| Integral, 180° Adjustable Brackets | Factory installed with 2 (two) per product length, non-removable |
|------------------------------------|------------------------------------------------------------------|

### Frosted Lens Option

|                                |               |                                                |
|--------------------------------|---------------|------------------------------------------------|
| Frosted Lens, Linear INT, 12in | LCI-A-FRLS-12 | Snap-on lens before or after mounting fixture. |
| Frosted Lens, Linear INT, 48in | LCI-A-FRLS-48 | Snap-on lens before or after mounting fixture. |

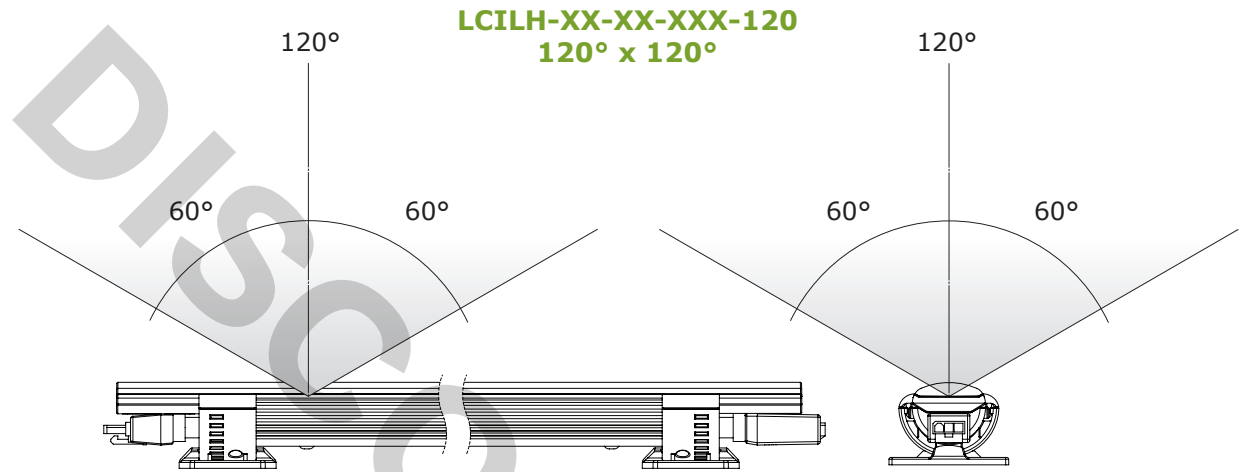
## DIMENSIONS

For complete dimensions and submittal drawings, please visit:  
ecosenselighting.com



DIMENSION IN  
INCHES / [MM]

## DISTRIBUTIONS



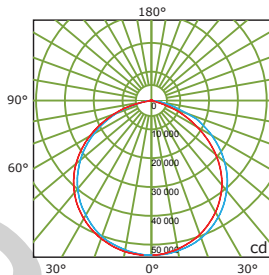
## PHOTOMETRY CHARACTERISTICS

For complete library of IES files, please visit:  
ecosenselighting.com

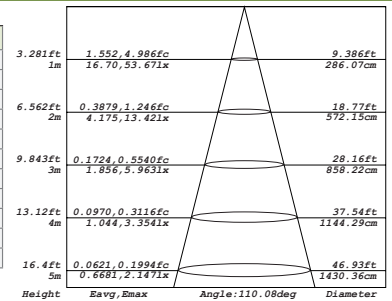
120°x 120°

2700K\*

| CHARACTERISTICS:<br>LINEAR INT - LP (LCILH)<br>2700K / 120°x 120° |       |
|-------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                        | 146   |
| Total Luminaire Efficiency                                        | 100%  |
| Total Input Watts                                                 | 2.53W |
| Horizontal Beam Angle (50%)                                       | 113.1 |
| Vertical Beam Angle (50%)                                         | 109.8 |
| Horizontal Field Angle (10%)                                      | 156.3 |
| Vertical Field Angle (10%)                                        | 150.4 |

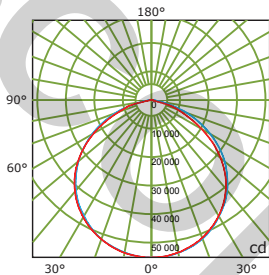


|    | 0    | 22.5 | 45    | 67.5 | 90   |
|----|------|------|-------|------|------|
| 0  | 53.6 | 53.6 | 53.6  | 53.6 | 53.6 |
| 5  | 53.3 | 53.2 | 543.2 | 53.1 | 53.2 |
| 15 | 51.5 | 51.2 | 51.2  | 50.9 | 51   |
| 25 | 48.1 | 47.8 | 47.5  | 47   | 47.1 |
| 35 | 43   | 42.5 | 42    | 41.4 | 41.5 |
| 45 | 36.2 | 35.7 | 34.6  | 33.8 | 33.9 |
| 55 | 27.8 | 26.9 | 25.2  | 24   | 23.9 |
| 65 | 18   | 16.5 | 14    | 13   | 13.1 |
| 75 | 7.1  | 4.9  | 4.2   | 2.4  | 1.2  |
| 85 | 0.9  | 0.2  | 0.3   | 0.3  | 0.4  |
| 90 | 0.1  | 0.1  | 0.2   | 0.1  | 0.3  |

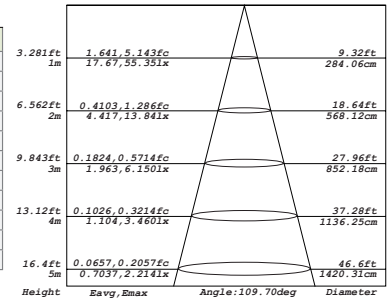


3000K

| CHARACTERISTICS:<br>LINEAR INT - LP (LCILH)<br>3000K / 120°x 120° |       |
|-------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                        | 150   |
| Total Luminaire Efficiency                                        | 100%  |
| Total Input Watts                                                 | 2.56W |
| Horizontal Beam Angle (50%)                                       | 112.4 |
| Vertical Beam Angle (50%)                                         | 109.6 |
| Horizontal Field Angle (10%)                                      | 156   |
| Vertical Field Angle (10%)                                        | 151.7 |

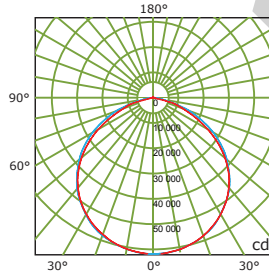


|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 5  | 54.9 | 54.9 | 55   | 55   | 55   |
| 15 | 53.1 | 52.9 | 53.1 | 53   | 53.1 |
| 25 | 49.6 | 49.7 | 49.7 | 49.5 | 49.5 |
| 35 | 44.4 | 44.3 | 44.4 | 44.1 | 44.1 |
| 45 | 37.4 | 37.6 | 37.1 | 36.5 | 36.5 |
| 55 | 28.8 | 28.7 | 27.7 | 26.6 | 26.2 |
| 65 | 18.9 | 18.1 | 15.9 | 14.7 | 14.6 |
| 75 | 7.7  | 6    | 5.6  | 5.3  | 3.4  |
| 85 | 0.9  | 0.2  | 0.3  | 0.2  | 0.4  |
| 90 | 0.2  | 0.1  | 0.2  | 0.1  | 0.2  |

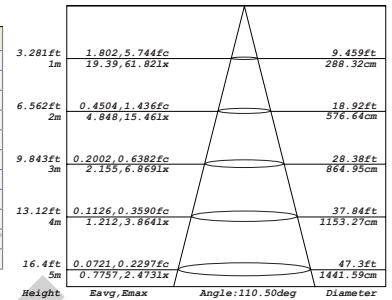


3500K

| CHARACTERISTICS:<br>LINEAR INT - LP (LCILH)<br>3500K / 120°x 120° |       |
|-------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                        | 169   |
| Total Luminaire Efficiency                                        | 100%  |
| Total Input Watts                                                 | 2.52W |
| Horizontal Beam Angle (50%)                                       | 113.7 |
| Vertical Beam Angle (50%)                                         | 110.5 |
| Horizontal Field Angle (10%)                                      | 156.1 |
| Vertical Field Angle (10%)                                        | 152.7 |

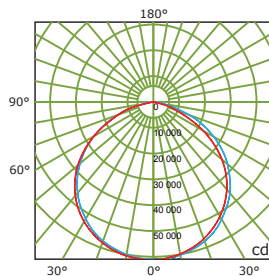


|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| 5  | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 |
| 15 | 59.6 | 59.5 | 59.7 | 59.5 | 59.7 |
| 25 | 56   | 56   | 55.9 | 55.8 | 55.9 |
| 35 | 50.2 | 50.2 | 50.4 | 50.3 | 50.3 |
| 45 | 42.5 | 43.1 | 42.7 | 42.4 | 42.3 |
| 55 | 33.1 | 33.3 | 32.5 | 31.7 | 31.4 |
| 65 | 21.6 | 21.5 | 19.7 | 18.6 | 18.3 |
| 75 | 8.6  | 7.4  | 7.3  | 8    | 7.2  |
| 85 | 1    | 0.5  | 0.4  | 0.3  | 0.5  |
| 90 | 0.2  | 0.1  | 0.3  | 0.3  | 0.3  |

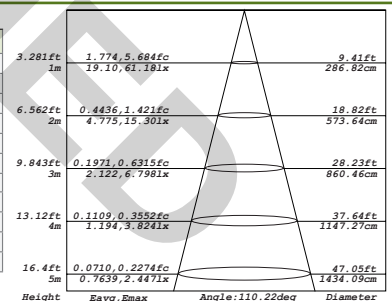


4000K

| CHARACTERISTICS:<br>1. LINEAR INT - LP (LCILH)<br>4000K / 120°x 120° |       |
|----------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                           | 166   |
| Total Luminaire Efficiency                                           | 100%  |
| Total Input Watts                                                    | 2.62W |
| Horizontal Beam Angle (50%)                                          | 113.1 |
| Vertical Beam Angle (50%)                                            | 110.2 |
| Horizontal Field Angle (10%)                                         | 156.1 |
| Vertical Field Angle (10%)                                           | 151.9 |



|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 61   | 61.1 | 61   | 61.1 | 61.1 |
| 5  | 60.8 | 60.8 | 60.7 | 60.6 | 60.8 |
| 15 | 58.8 | 58.5 | 58.5 | 58.3 | 58.5 |
| 25 | 55.1 | 54.7 | 54.5 | 54.1 | 54.2 |
| 35 | 49.2 | 48.7 | 48.5 | 48   | 48.1 |
| 45 | 41.7 | 41.3 | 40.4 | 39.7 | 39.8 |
| 55 | 32.1 | 31.4 | 30   | 28.9 | 28.8 |
| 65 | 20.7 | 19.5 | 17.3 | 15.7 | 15.3 |
| 75 | 8.4  | 6.6  | 5.2  | 5.9  | 4.4  |
| 85 | 1    | 0.6  | 0.4  | 0.3  | 0.5  |
| 90 | 0.1  | 0.1  | 0.3  | 0.3  | 0.3  |



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](http://www.ecosenselighting.com)

# ECOSENSE®

EcoSpec® Linear INT 90CRI - Low Power

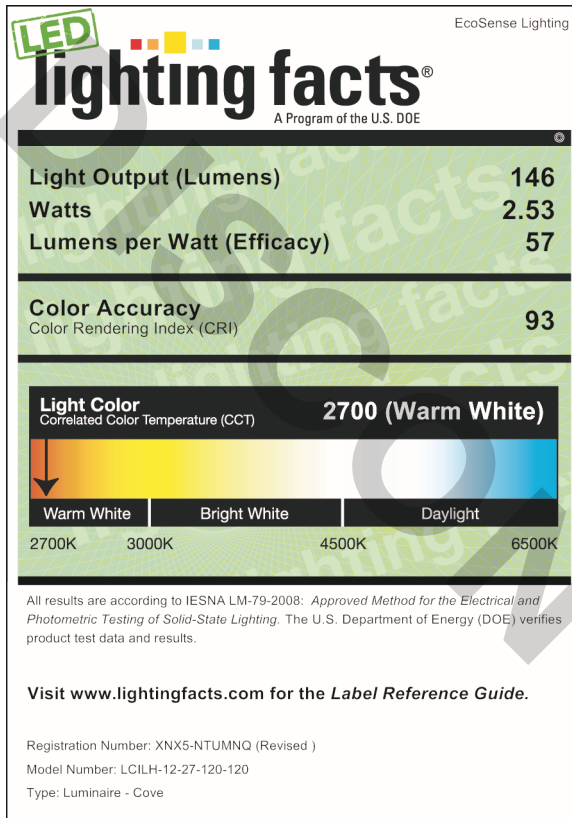
New Linear Series

DATE \_\_\_\_\_ TYPE \_\_\_\_\_

PROJ. \_\_\_\_\_

FIRM \_\_\_\_\_

## LIGHTING FACTS LABELS



EcoSense Lighting Inc.  
915 Wilshire Boulevard  
Suite 2175  
Los Angeles, CA 90017

Phone 310-496-6255  
Fax 310-496-6256  
Toll Free 855-632-6736  
855-6-ECOSEN

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SPEC-LCILH-20140205-V1

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