

## 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. Patent-pending dimming technology dims down to 0% output power.

### Features:

- Economical
- 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°                                                                                                                                                                                                                   | 150 lm/LF                                                                           | 600 lm                                                                               | 57.1lm/W                                                                              |                                                                                       |                                                                                       |
|                                                                                                                                   | 3000K                           | 120°x120°                                                                                                                                                                                                                   | 157 lm/LF                                                                           | 628 lm                                                                               | 60.8lm/W                                                                              |                                                                                       |                                                                                       |
|                                                                                                                                   | 3500K                           | 120°x120°                                                                                                                                                                                                                   | 164 lm/LF                                                                           | 656 lm                                                                               | 58.8lm/W                                                                              |                                                                                       |                                                                                       |
|                                                                                                                                   | 4000K                           | 120°x120°                                                                                                                                                                                                                   | 182 lm/LF                                                                           | 728 lm                                                                               | 68.4lm/W                                                                              |                                                                                       |                                                                                       |
| * Performance data is from LM-79 and LM-63 testing at typical power input                                                         |                                 |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                                                                   | Color Rendering Index           | 80+                                                                                                                                                                                                                         |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                                                                   | 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                          | 0.496 lbs. / 0.22 5 kg (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 140° Rotation Brackets                                                                                                                                                                                  |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                                                                   |                                 |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
| FIXTURE RATING & CERTIFICATIONS                                                                                                   | CE, ENEC, C-Tick Certified, CCC |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                                                                   | ETL Certified<br>RoHS Compliant |                                                                                                                                                                                                                             |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|                                                                                                                                   |                                 |                                                                                                                                          |  |  |  |  |  |
|                                                                                                                                   |                                 | Intertek                                                                                                                                                                                                                    |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |



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

## ORDERING

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

| LCIS / LCIL | -                                                           |                                        | -                |                   | - |  | - | 120 |
|-------------|-------------------------------------------------------------|----------------------------------------|------------------|-------------------|---|--|---|-----|
| MODEL       | LENGTH                                                      | COLOR                                  | VOLTAGE          | OPTIC             |   |  |   |     |
| LCIS#       | 12 - 12"                                                    | 23 - 2300K##                           | 120 - 100-120VAC | 120 - 120° x 120° |   |  |   |     |
| LCIL        | 48 - 48"                                                    | 27 - 2700K                             | 220 - 220-240VAC |                   |   |  |   |     |
|             |                                                             | 30 - 3000K                             | 277 - 277VAC**   |                   |   |  |   |     |
|             |                                                             | 35 - 3500K                             |                  |                   |   |  |   |     |
|             |                                                             | 40 - 4000K                             |                  |                   |   |  |   |     |
| EXAMPLE:    | LCIS* - 12 - 27 - 120 - 120                                 | (*Linear Cove Interior Standard Power) |                  |                   |   |  |   |     |
|             | LCIL* - 12 - 27 - 120 - 120                                 | (*Linear Cove Interior Low Power)      |                  |                   |   |  |   |     |
|             | # See Linear INT Standard Power Spec Sheet for more details |                                        |                  |                   |   |  |   |     |
|             | ## See Linear INT Warm Cove 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.                                                                                                                                        |                    |                                     |                    |

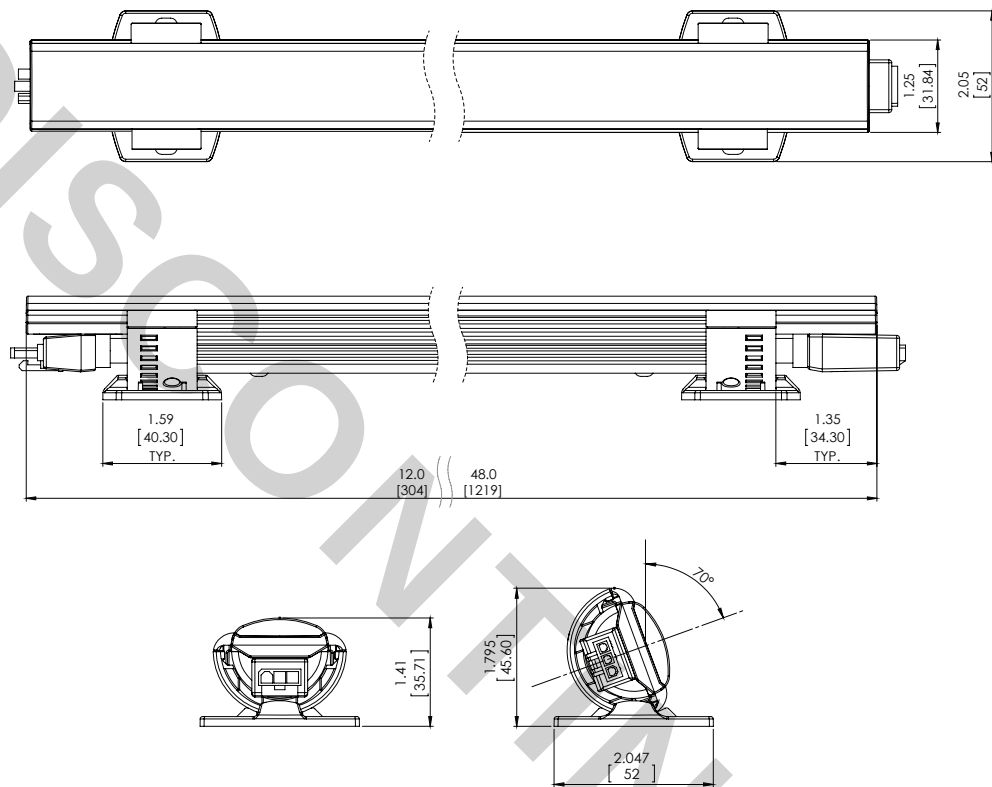
| Control Options                                                        |                         |
|------------------------------------------------------------------------|-------------------------|
| 100-120VAC / 277VAC Linear Dimming Control Module 0-10V                | LDCM-120-277-010V-GR   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

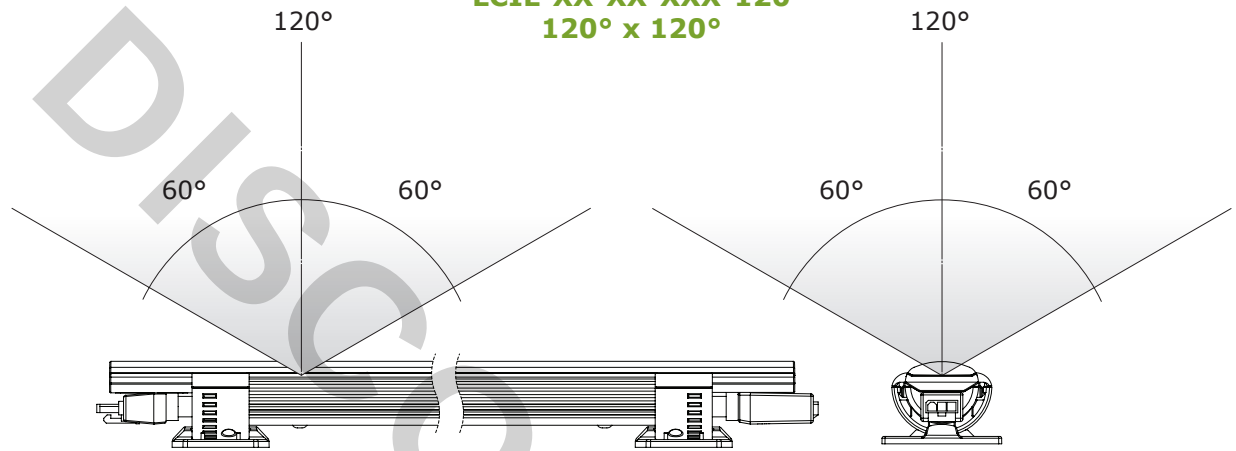
For complete dimensions and submittal drawings, please visit:  
ecosenselighting.com



DIMENSION IN  
INCHES / [MM]

## DISTRIBUTIONS

**LCIL-XX-XX-XXX-120**  
**120° x 120°**



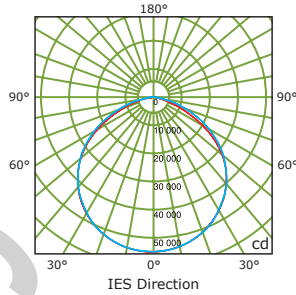
### PHOTOMETRY CHARACTERISTICS

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

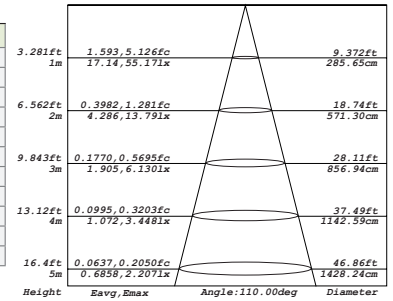
120°x 120°

2700K\*

| CHARACTERISTICS:<br>LINEAR INT - LP (LCIL)<br>2700K / 120°X 120° |       |
|------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                       | 150   |
| Total Luminaire Efficiency                                       | 100%  |
| Total Input Watts                                                | 2.61W |
| Horizontal Beam Angle (50%)                                      | 111.9 |
| Vertical Beam Angle (50%)                                        | 110   |
| Horizontal Field Angle (10%)                                     | 157.1 |
| Vertical Field Angle (10%)                                       | 149.1 |

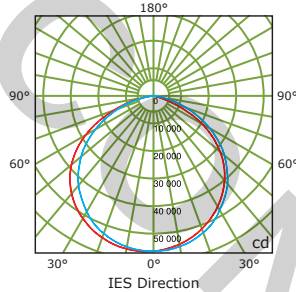


|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 54.9 | 55.1 | 55   | 55   | 54.9 |
| 5  | 54.8 | 54.9 | 54.8 | 54.7 | 54.6 |
| 15 | 53.2 | 53.1 | 53   | 52.7 | 52.7 |
| 25 | 50   | 49.8 | 49.5 | 49.1 | 48.9 |
| 35 | 44.7 | 44.5 | 44.5 | 43.8 | 43.5 |
| 45 | 38   | 38.1 | 37.4 | 36.6 | 36.4 |
| 55 | 29.3 | 29.2 | 28.4 | 27.1 | 26.3 |
| 65 | 19   | 18.7 | 17.1 | 14.8 | 13.7 |
| 75 | 8.6  | 7.8  | 5.1  | 4.4  | 3.8  |
| 85 | 1.3  | 0.9  | 0.6  | 0.4  | 0.5  |
| 90 | 0.2  | 0.1  | 0.3  | 0.2  | 0.3  |

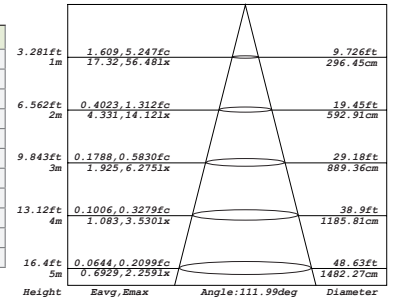


3000K

| CHARACTERISTICS:<br>LINEAR INT - LP (LCIL)<br>3000K / 120°X 120° |       |
|------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                       | 157   |
| Total Luminaire Efficiency                                       | 100%  |
| Total Input Watts                                                | 2.58W |
| Horizontal Beam Angle (50%)                                      | 112   |
| Vertical Beam Angle (50%)                                        | 112.9 |
| Horizontal Field Angle (10%)                                     | 156.6 |
| Vertical Field Angle (10%)                                       | 151.1 |

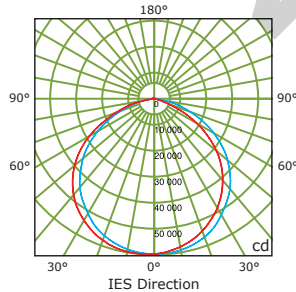


|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 56.4 | 56.4 | 56.4 | 56.3 | 56.3 |
| 5  | 56.2 | 56.1 | 55.9 | 55.7 | 55.7 |
| 15 | 54.6 | 54.1 | 53.6 | 53.2 | 53.2 |
| 25 | 51.1 | 50.3 | 49.7 | 49.2 | 49.1 |
| 35 | 45.4 | 44.5 | 44.3 | 43.6 | 43.5 |
| 45 | 38.5 | 37.7 | 36.9 | 36.2 | 36.2 |
| 55 | 29.6 | 28.5 | 27.9 | 26.7 | 26.3 |
| 65 | 18.9 | 17.8 | 16.6 | 14.7 | 13.5 |
| 75 | 8.1  | 7.4  | 4.6  | 2.8  | 2.1  |
| 85 | 0.8  | 0.6  | 0.3  | 0.3  | 0.3  |
| 90 | 0.2  | 0.1  | 0.2  | 0.1  | 0.1  |

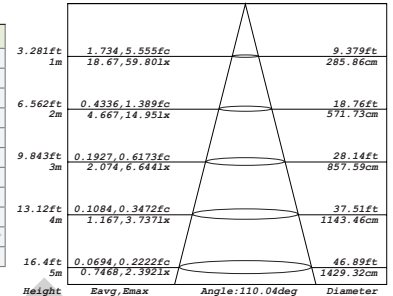


3500K

| CHARACTERISTICS:<br>LINEAR INT - LP (LCIL)<br>3500K / 120°X 120° |        |
|------------------------------------------------------------------|--------|
| Total Rated Fixture Lumens                                       | 164    |
| Total Luminaire Efficiency                                       | 100%   |
| Total Input Watts                                                | 2.785W |
| Horizontal Beam Angle (50%)                                      | 112.5  |
| Vertical Beam Angle (50%)                                        | 109.6  |
| Horizontal Field Angle (10%)                                     | 157.3  |
| Vertical Field Angle (10%)                                       | 150.6  |

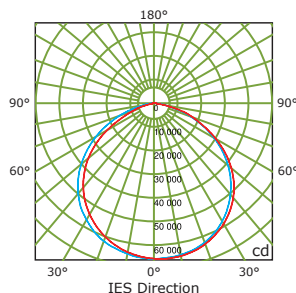


|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 59.8 | 59.8 | 59.7 | 59.7 | 59.7 |
| 5  | 59.5 | 59.3 | 59.2 | 59   | 59   |
| 15 | 57.6 | 56.9 | 56.4 | 56.1 | 56.2 |
| 25 | 53.9 | 52.8 | 52   | 51.5 | 51.5 |
| 35 | 47.8 | 46.5 | 45.8 | 45   | 45   |
| 45 | 40.2 | 39.1 | 37.5 | 36.5 | 36.5 |
| 55 | 30.6 | 28.9 | 27.1 | 25.6 | 25.3 |
| 65 | 19.5 | 17.3 | 14.6 | 12.7 | 12.2 |
| 75 | 8.2  | 5.7  | 3.3  | 2.4  | 2.1  |
| 85 | 1.1  | 0.7  | 0.5  | 0.4  | 0.4  |
| 90 | 0.4  | 0.1  | 0.3  | 0.2  | 0.3  |

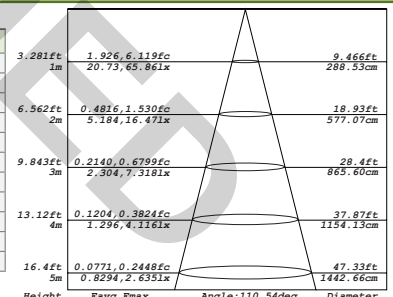


4000K

| CHARACTERISTICS:<br>LINEAR INT - LP (LCIL)<br>4000K / 120°X 120° |       |
|------------------------------------------------------------------|-------|
| Total Rated Fixture Lumens                                       | 182   |
| Total Luminaire Efficiency                                       | 100%  |
| Total Input Watts                                                | 2.67W |
| Horizontal Beam Angle (50%)                                      | 113.3 |
| Vertical Beam Angle (50%)                                        | 110.3 |
| Horizontal Field Angle (10%)                                     | 157.1 |
| Vertical Field Angle (10%)                                       | 152.2 |



|    | 0    | 22.5 | 45   | 67.5 | 90   |
|----|------|------|------|------|------|
| 0  | 65.8 | 65.7 | 65.8 | 65.8 | 65.7 |
| 5  | 65.5 | 65.6 | 65.9 | 65.9 | 65.9 |
| 15 | 63.5 | 63.8 | 64.4 | 64.6 | 64.8 |
| 25 | 59.9 | 60.5 | 61.4 | 61   | 61.4 |
| 35 | 53.9 | 54.8 | 55.5 | 55.5 | 55.8 |
| 45 | 45.3 | 47   | 47.3 | 47.6 | 47.8 |
| 55 | 34.4 | 36.5 | 37.2 | 36.8 | 36.9 |
| 65 | 21.8 | 23.5 | 23.5 | 23.5 | 23.6 |
| 75 | 9.1  | 9.1  | 9.9  | 11.5 | 11.2 |
| 85 | 1.3  | 1.2  | 0.9  | 0.9  | 1    |
| 90 | 0.2  | 0.2  | 0.6  | 0.8  | 0.8  |



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)

## LIGHTING FACTS LABELS

