

Features

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

EcoSpec® Linear INT

EcoSense® EcoSpec® Linear INT is a powerful, versatile indoor linear white light fixture. Its flicker-free dimming capabilities make it suitable for all interior architectural, retail, exhibit, and display applications. 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 INT connects directly to AC power simplifying installation and minimizing costs. These cool to the touch fixtures quickly pay for themselves in energy savings and provide substantial savings over the 50,000 hour lumen maintenance.



Specifications

Color Temperature	Lumen Output
2700K	228 lm/LF : 228 (1') / 912 (4')
3000K	246 lm/LF : 246 (1') / 980 (4')
3500K	262 lm/LF : 262 (1') / 1048 (4')
4000K	300 lm/LF : 300 (1') / 1200 (4')
Color Rendering Index	80
Lumen Maintenance*	L70 50,000 hours@25°C
Beam Angle	120° x 120°
Power Consumption (Max)	120VAC - 5.2W (1ft) / 21W (4ft) 220VAC - 5.8W (1ft) / 23W (4ft) 277VAC - 5.3W (1ft) / 18.2W (4ft)
Efficacy (lm/W)	120VAC - 43.8 @2700K / 47.3 @3000K / 50.3 @3500K / 57.7 @4000K 220VAC - 39.3 @2700K / 42.4 @3000K / 45.1 @3500K / 51.7 @4000K 277VAC - 43 @2700K / 46.4 @3000K / 49.4 @3500K / 56.6 @4000K
Maximum Fixture Run Length	100' (30m) @120VAC / 200' (60m) @220VAC / 200' (60m) @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	0.39 lbs / 0.175 kg (1ft) 1.43 lbs / 0.65 kg (4ft)
Dimensions	W 1.6" x H 1.6" x L 12"/48" (41 mm x 41 mm x 304 mm/1,219 mm)
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. Ambient luminaire temperatures specified.

www.ecosenselighting.com

ECOSENSE®

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EcoSpec[®]

Linear INT

DATE:	TYPE:
PROJECT:	
FIRM :	

Ordering Information

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

04LC	-	-	-	-	120
MODEL	LENGTH	COLOR	VOLTAGE	OPTIC	
04LC	12 - 1'-0" 48 - 4'-0"	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	120 - 100-120VAC 220 - 220-240VAC 277 - 277VAC**	120 - 120° x 120°	

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

EXAMPLE: 04LC-48-30-120-120

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

Mounting Track (4'-0" Length)	04-A-MNT-TRK-4
Adjustable Mounting Clip	04-A-MNT-ADJ
Fixed Mounting Clip	04-A-MNT-STA (Two (2) clips included with each product length.)
Fixed Low Profile / Undercabinet Clip	04-A-MNT-LP
180 Degree Bracket	04-A-MNT-180

EcoSpec[®] Linear INT

Dimension and Mounting

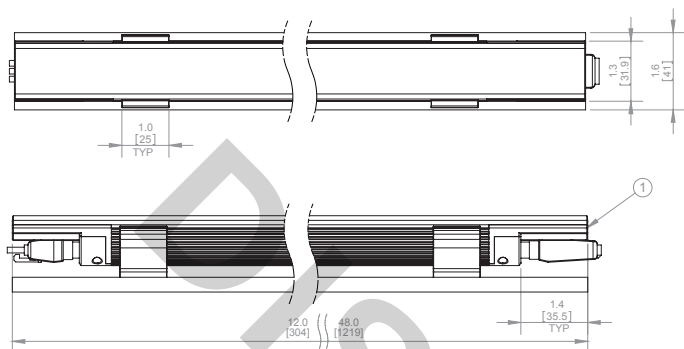
For complete dimensional submittal drawings and full scale CAD drawings, please visit ecosenselighting.com.

DATE:

PROJECT:

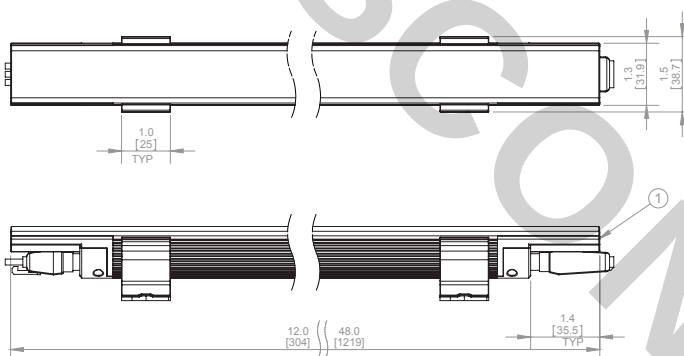
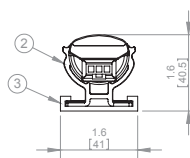
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TYPE:



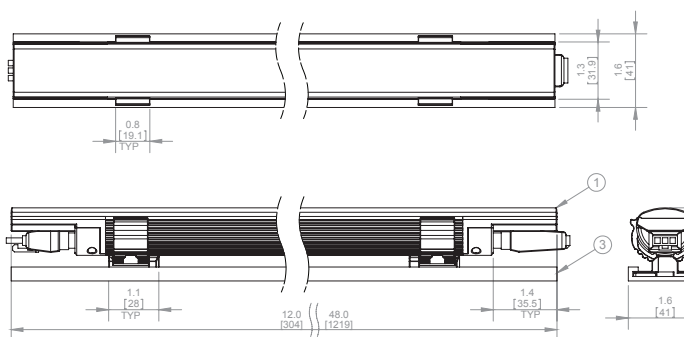
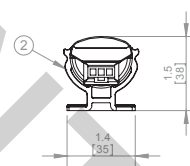
Fixed Clip in Track

04-A-MNT-STA
04-A-MNT-TRK-4



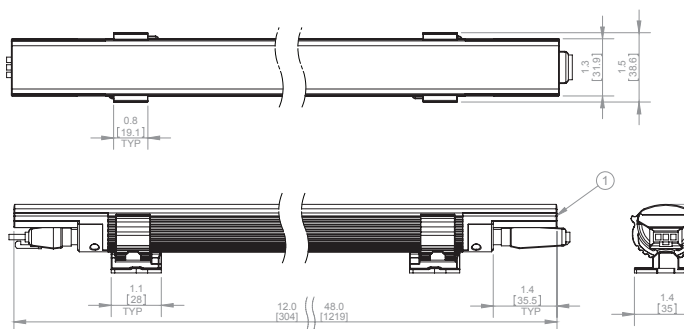
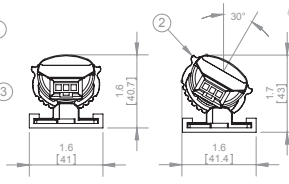
Fixed Clip - Direct Mount

04-A-MNT-STA



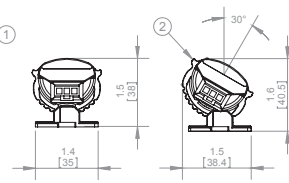
Adjustable Clip in Track

04-A-MNT-ADJ
04-A-MNT-TRK-4



Adjustable Clip - Direct Mount

04-A-MNT-ADJ



DIMENSION IN
INCHES / [MM]

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ECOSENSE[®]

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Linear INT

Dimension and Mounting

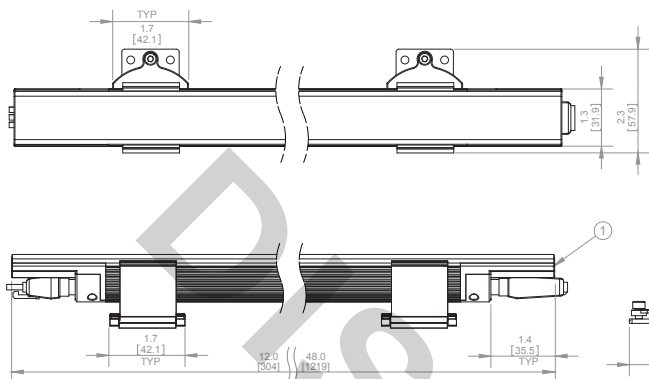
For complete dimensional submittal drawings and full scale CAD drawings, please visit ecosenselighting.com.

DATE:

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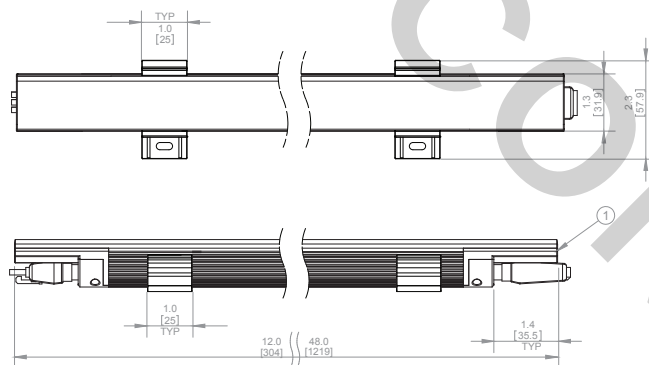
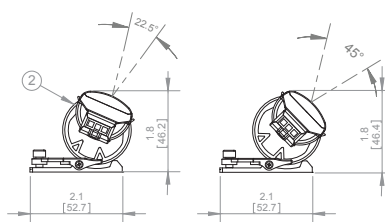
PROJECT:

FIRM :



180 Degree Clip

04-A-MNT-180



Fixed Low Profile Undercabinet Clip

04-A-MNT-LP

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Linear INT

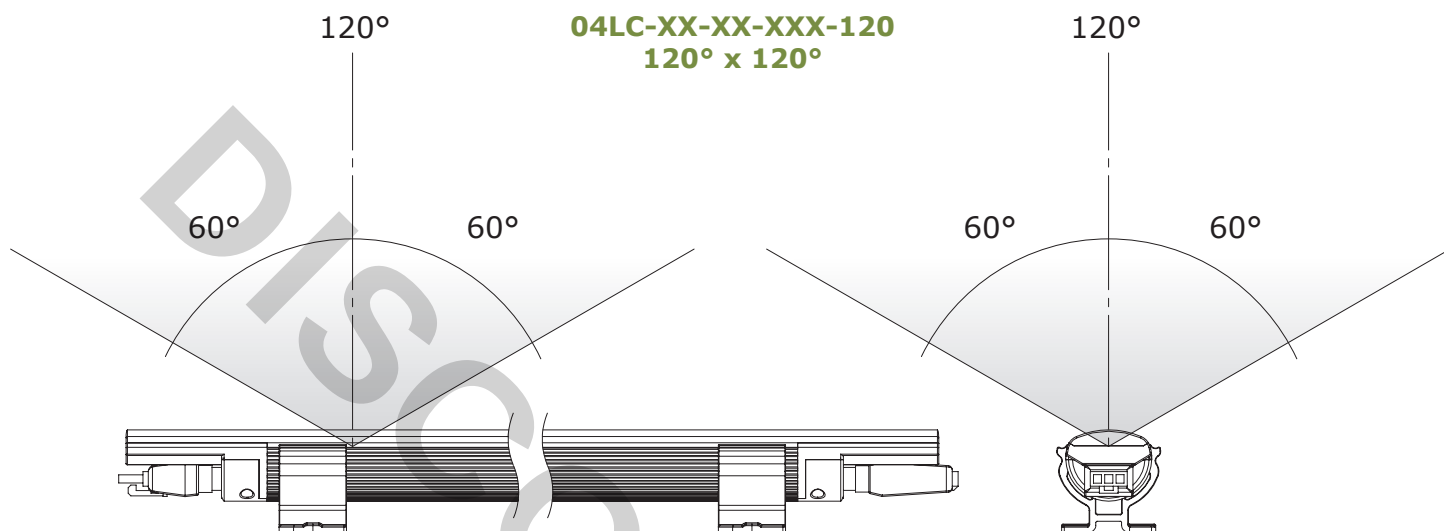
Fixture Distribution

DATE:

PROJECT:

FIRM :

TYPE:



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Linear INT

DATE:

TYPE:

PROJECT:

FIRM :

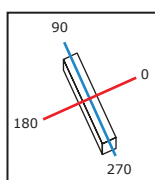
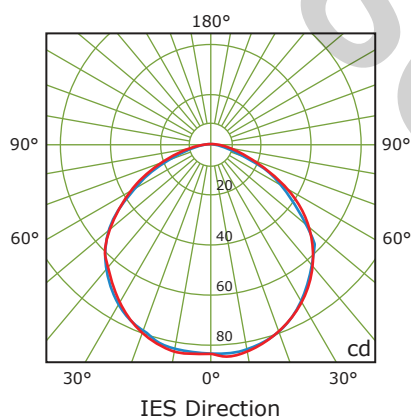
Photometry Characteristics

Characteristics	
Total Rated Fixture Lumens	228
Total Luminaire Efficiency	100%
Total Input Watts	5.08W
Horizontal Beam Angle (50%)	109.6
Vertical Beam Angle (50%)	111.4
Horizontal Field Angle (10%)	147.7
Vertical Field Angle (10%)	152.8

Luminance Data (cd/sq. m)			
Angle In Degrees	Average 0°	Average 45°	Average 90°
0	8511	8511	8511
45	9039	7593	7177
55	8852	7222	6304
65	7258	6149	4531
75	4727	3760	2752
85	0	0	0

Fixture: 04LC-12-27-120-120

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	1.05	1.01	0.98	1.03	1.00	0.96	0.99	0.96	0.93	0.95	0.93	0.90	0.91	0.90	0.88	0.86
2	0.92	0.86	0.81	0.90	0.85	0.80	0.87	0.82	0.78	0.84	0.80	0.76	0.81	0.77	0.74	0.72
3	0.81	0.74	0.67	0.80	0.73	0.67	0.77	0.71	0.66	0.74	0.69	0.64	0.72	0.67	0.63	0.61
4	0.72	0.64	0.57	0.71	0.63	0.57	0.68	0.61	0.56	0.66	0.60	0.55	0.64	0.59	0.54	0.52
5	0.65	0.56	0.49	0.63	0.55	0.49	0.61	0.54	0.48	0.59	0.53	0.48	0.58	0.52	0.47	0.45
6	0.58	0.49	0.43	0.57	0.49	0.43	0.55	0.48	0.42	0.54	0.47	0.42	0.52	0.46	0.42	0.40
7	0.53	0.44	0.38	0.52	0.44	0.38	0.50	0.43	0.38	0.49	0.42	0.37	0.48	0.42	0.37	0.35
8	0.48	0.40	0.34	0.47	0.39	0.34	0.46	0.39	0.34	0.45	0.38	0.33	0.44	0.38	0.33	0.31
9	0.44	0.36	0.30	0.43	0.36	0.30	0.42	0.35	0.30	0.41	0.35	0.30	0.40	0.34	0.30	0.28
10	0.41	0.33	0.28	0.40	0.33	0.27	0.39	0.32	0.27	0.38	0.32	0.27	0.37	0.31	0.27	0.25

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