

# LED Linear Linkable Light-3

## Indoor Linear Linkable Light



**IP20**



OVERVIEW	
Lumen Output Range	5280 - 10960
Wattage Range	40W -80W
Efficacy Range (LPW)	130 -137
Weight lbs (kg)	3.3(1.5)-5.94(2.7)

### QUICK LINKS

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[Photometrics](#)
[Dimensions](#)

## FEATURES & SPECIFICATIONS

### Construction

- Rugged die-cast aluminum housing for maximum durability and reliability.
- IP20 rated luminaire protects integral components.
- Shipping weight: 3.3 lbs to 5.94 lbs in carton.

### Optical System

- Premium engineered IP20 rated acrylic optic assemblies deliver 130degree distributions.
- Available in 6500, 5000K,4000K and 3500K color selectable temperatures per.
- Minimum CRI of 84.

### Electrical

- High-performance driver features short circuit and over temperature protection with integral surge protection (2KV).
- 0-10V dimming (0% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz.
- Total harmonic distortion: <10%
- Operating temperature: -30°C to +50°C (-86°F to +112 °F).

- Power factor: >0.90
- Input power stays constant over life.
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation.

### Controls

- Motion sensor
- PIR sensor
- Power selectable
- Emergency Driver

### Installation

- Mounting method ships together and can be installed quickly.
- Wiring leads extended out of the main housing eliminating the need of opening the luminaire electrical chamber.

### Warranty

- luminaires carry a 5-year limited warranty. Complete warranty terms are located on our website.

### Listings

- Listed to UL.
- Suitable for wet Locations.
- DesignLights Consortium® (DLC) qualified product.

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## ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: **4 LLS 3 LED CCT 40W UNV DIM WHT**

Luminaire Length	Luminaire Prefix	Light Source	Power&Lumen	Color Temp
4-4ft 8-8ft	LLS3 - Linear Linkable Light-3	LED	40 - 4880-5280 lms 80 - 9680-10960 lms	CCT - 3500K/4000K/5000K/6500K CCT Selectable
Voltage	Driver	Finish	Controls (Choose One)	
UNV - Universal Voltage (120-277V) 480 - High Power (277-480V)	DIM - 0-10V Dimming(0-100%)	WHT - White Option - Cutome Color	CCT Selectable	

## PERFORMANCE

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DELIVERED LUMENS*											
Wattage	Distribution	CRI	5000K			4000K			3500K		
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating
40w	130degree	84	5156.5	130.51	<30	5279	138.63	<30	5176.1	132.96	<30
80w	130degree	86	10637.7	130.22	<30	10833.4	138.34	<30	10578.4	132.28	<30

\*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*				
Wattage	120V	208V	240V	277V
40w	0.33	0.19	0.17	0.14
80w	0.67	0.38	0.33	0.29

\*Electrical data at 25C (77F). Actual wattage may differ by +/-0.3%.

RECOMMENDED LUMEN MAINTENANCE (4L-9L)					
Ambient Temperature °C	Initial <sup>2</sup>	3K hrs. <sup>2</sup>	5K hrs. <sup>3</sup>	7K hrs. <sup>3</sup>	9K hrs. <sup>3</sup>
1C-85C	100%	99.16%	98.63%	98.2%	97.68%

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing.



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## PHOTOMETRICS

Luminaire photometry has been conducted by an accredited laboratory in accordance with IESNA LM-79. As specified by IESNA LM-79 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

### LLS3 40W

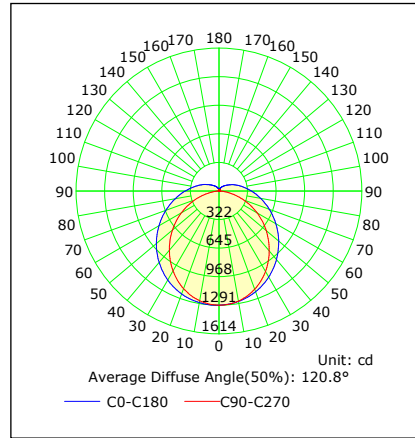
#### LUMINAIRE DATA

130degree Distribution	
Description	3500 Kelvin, 84 CRI
Delivered Lumens	5,176
Watts	40
Efficacy	132.96
IES Type	130degree
BUG Rating	

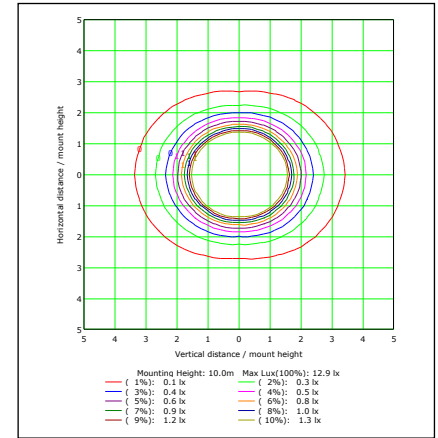
#### Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	1,026.00	21.00%
Medium (0-60)°	3,025.70	52.20%
High (60-90)°	1,261.60	25.90%
Very High (90-120)°	909.70	18.70%
Uplight (90-120)°	432.7	9%
Total Flux	5,176.10	100%

#### Luminous Intensity Distribution Curve



#### ISO FOOTCANDLE



### LLS3 80W

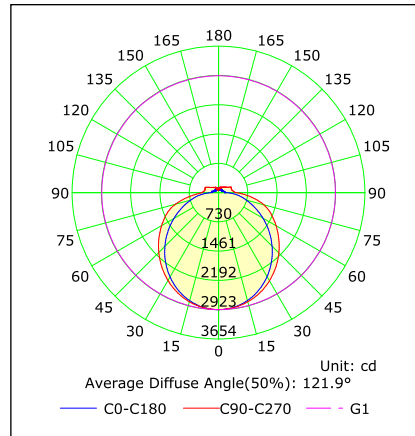
#### LUMINAIRE DATA

130degree Distribution	
Description	3500 Kelvin, 86CRI
Delivered Lumens	10,578
Watts	80
Efficacy	132.28
IES Type	130degree
BUG Rating	

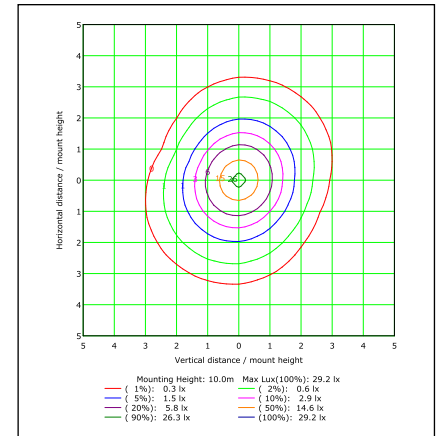
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#### Luminous Intensity Distribution Curve



#### ISO FOOTCANDLE



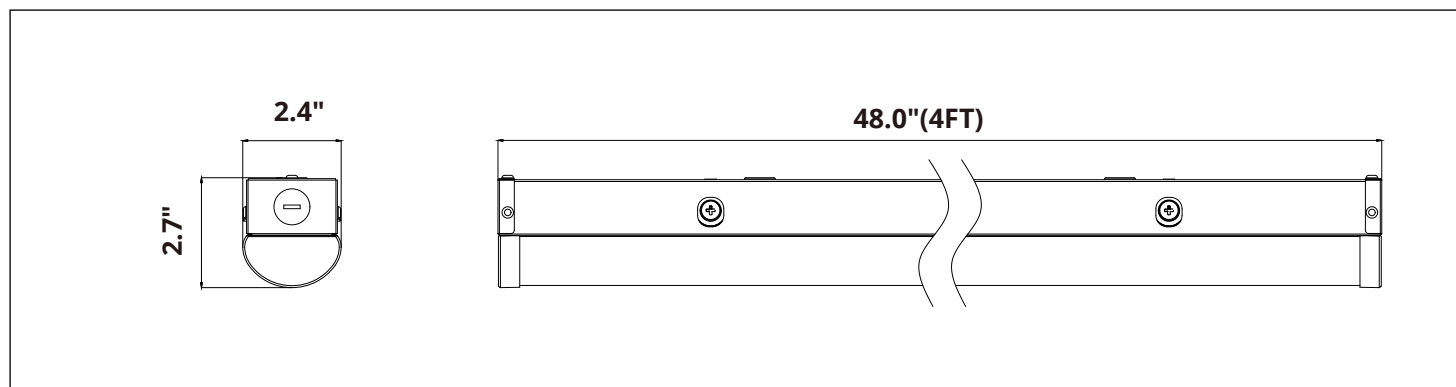
Remark: The goniophotometer results of AST-LA02-80W8FTBA1-abc30 were represented by AST-LA02-40W4FTBA1-abc30W, by same section construction and size, just different in length.

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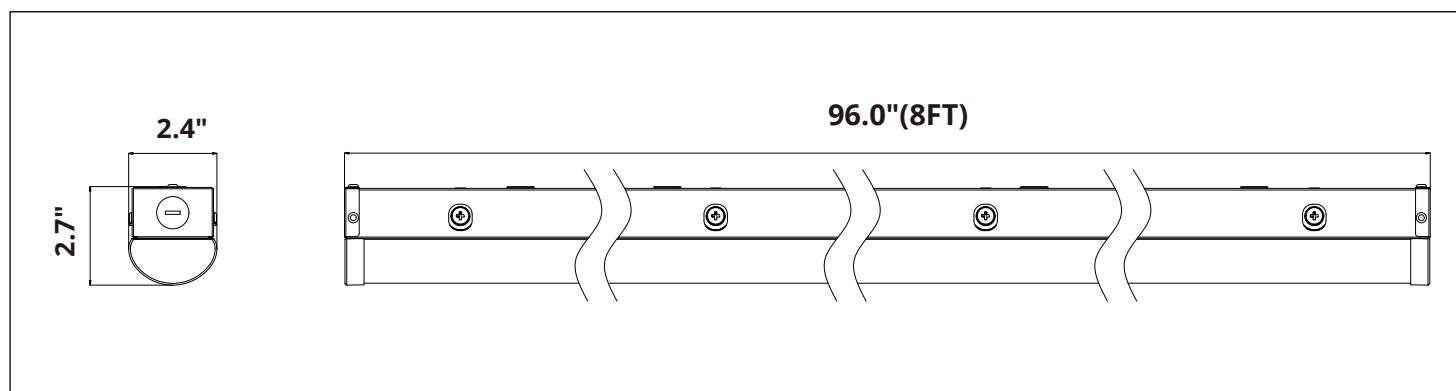
## PRODUCT DIMENSIONS

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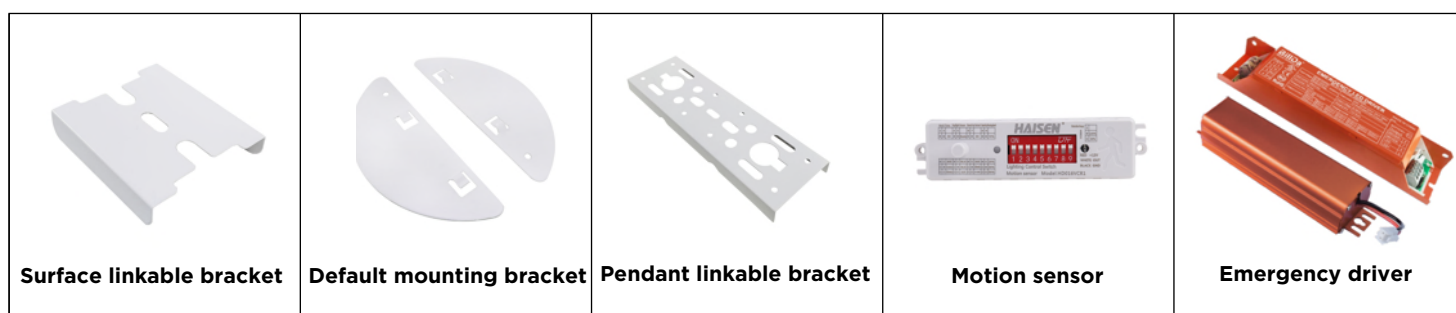
### 40W



### 80W



## MOUNTING AND ACCESSORIES

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## PACKAGE

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Power	Items	Size	Qty/ Carton	Lamps Net Weight	Weight/ Carton
40w	Outer box	49.2x9x6.7 inch	6 PC	3.9 lbs	24.58lbs
80w	Outer box	97.2x9x6.7 inch	6 PC	7.3 lbs	46.25 lbs

Tolerance of Carton Size:  $\pm 15$  MM, Tolerance of Weight:  $\pm 10\%$ .