

G5

LINEAR LED LIGHT

Recessed T-Grid | 2.5" Aperture | Direct

The G5 T-Grid is a Linear Architectural LED Light, designed to deliver direct lighting for a seamless ambiance. Our linear supports continuous runs, creating a unified lighting design that enhances the aesthetic of any environment. It is available in 5 lengths; 2, 4, 5, 6, and 8 feet. Also feature CCT and power switchable.

Applications: Art Galleries | Office | Retail Stores | Hospitality | Education

	DATE	QTY	ACC. QTY	TYPE
PROJECT				
PN				
ACCESSORY PN				
NOTES				



DYNAMIC MENU

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[Install Instruction link](#)

SPECIFICATIONS

Input Voltage	120-347V				
Power Factor	>0.9				
Total Harmonic Distortion	<20%				
Dimming Page 3	0-10V dimming				
CRI	80 CRI				
CCT	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">30K</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">35K</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">40K</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px 5px;">50K</div> </div>				
Efficacy	~110 lm/W		1100 lm/ft		
Length	2'	4'	5'	6'	8'
Power	20W	40W	50W	60W	80W
Ambient Temperature Range	-10°C to 40°C				
Mounting Options	Recessed T-grid				
Fixture Finish	Black White 				
Optic	Polycarbonate lens				



PRODUCT FEATURES



PRODUCT CERTIFICATIONS



Design Lights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified" [page 3](#)

SYSTEM WARRANTY – 5 YEARS

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with a thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

LUMEN MAINTENANCE – L85 at 50,000 hours

Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

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ORDERING GUIDE

AE-SF-G5CA			010		-R		
AE-SF-G5CA ERALUX G5 Linear Architectural Fixture 120-347V input voltage	2 20 2ft 20W 2,200lm 4 40 4ft 40W 4,200lm 5 50 5ft 50W 4,200lm 6 60 6ft 60W 6,000lm 8 80 8ft 80W 8,400lm C Continuous length increment of 1ft (Select or type the length then click on 'C')	30/35/40¹ 3000/3500/4000K selectable 30/40/50 3000/4000/5000K selectable	010 0-10V	WH-GB White BK-GB Black	-R Recessed mounted on T-grids	A Stand alone B Starter & ender C Middle	[BLANK] No option LDE1² Fade-to-Black down to 1% EMBB³ Emergency battery backup 1DIM⁴ 1% Dimming

Fixture Family

Length | Power

CCT

Control

Finish

Mounting

Type

Option

NOTES

1. Default CCT setting is 3500K but can be changed upon request before shipping.
2. LDE1 is a Lutron Hi-lume EcoSystem driver with Soft-on, it requires color selection, if not the default CCT is 3500K.
3. EMBB option available in 120-277V only.
4. 1DIM available only in 120-277V, it works for 4,5,6,8 FT



ORDERING GUIDE – TRIAC Dimming

AE-SF-G5CA			-TRI	
ERALUX G5 Linear Architectural Fixture	4 40 4ft 40W ,250lm 8 80 8ft 80W 9,600lm	30 3000K 35 3500K 40 4000k	-TRI TRIAC Dimming	-WH-GB White -BK-GB Black

Fixture Family

Length | Power

CCT

Controls

Finish

NOTES

TRIAC Dimming fixtures are not power & CCT switchable.

CAUTION:

- If there are multiple fixtures connected to the same 0-10V dimming line, a 0-10V controller must be considered to enable consistent dimming across the fixtures. Failure to do so will lead to inconsistent dimming and behaviors in the fixtures. Single switch is not recommended for controlling multiple fixtures simultaneously.
- Maximum of 300W per electrical drop.

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LUMEN OUTPUT

LENGTH	EFFICACY	OUTPUT POWER	
2FT	Avg 110 lm/w 1100 lm/ft	15/20 watts switchable	15W 1650 lm
			20W 2200 lm
4FT		30/40 watts switchable	30W 3300 lm
			40W 4400 lm
5FT		30/50 watts switchable	30W 3300 lm
			50W 4400 lm
6FT		35/50/60 watts switchable	35W 3850 lm
			50W 5500 lm
	60W 6600 lm		
8FT	60/80 watts switchable	60W 6600 lm	
		80W 8800 lm	

DLC MODEL



DLC MODEL	PRODUCT ID
AE-SF-G5CA22030-35-40010YY-GB	S-JTCRUD
AE-SF-G5CA44030-35-40010YY-GB	S-ACNDT2
AE-SF-G5CA87030-35-40010YY-GB	S-09HDJM

DIMMER COMPATIBILITY LIST

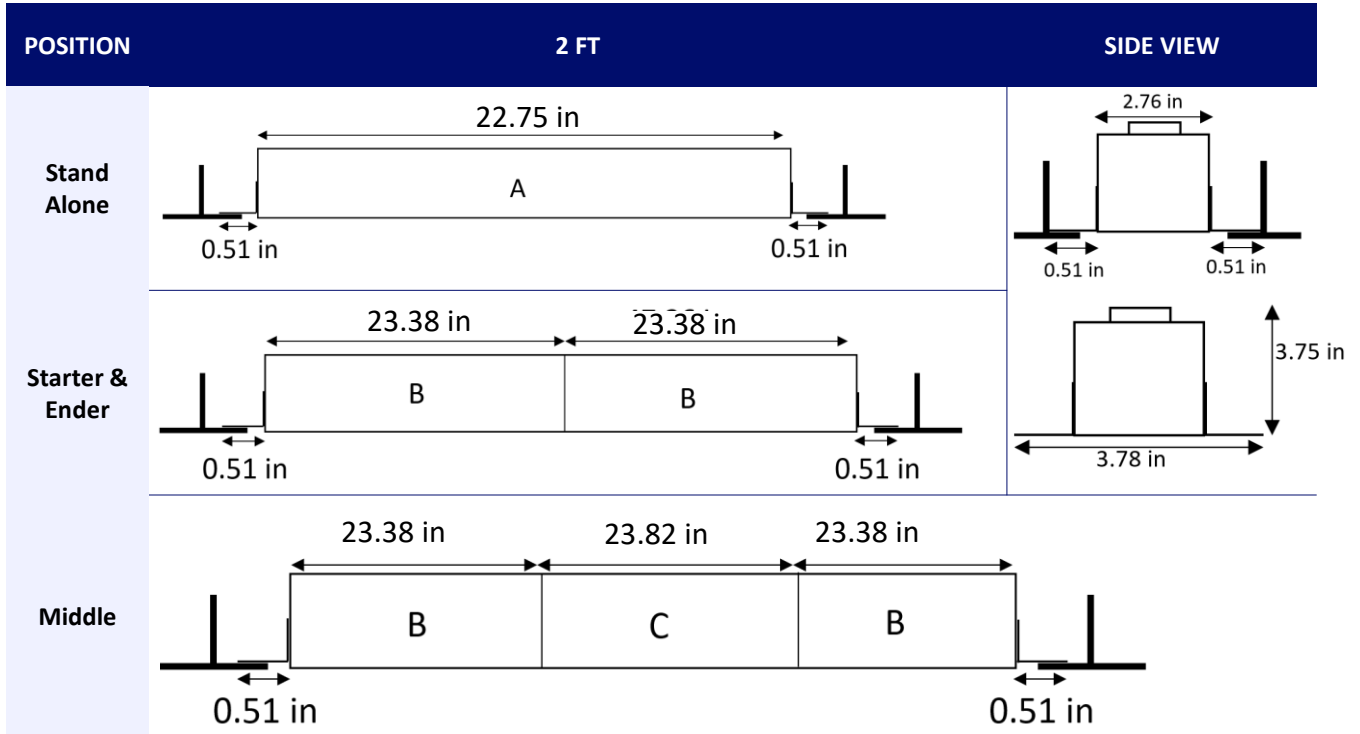
0-10V Dimming

BRAND	MODEL	BRAND	MODEL
LEVITON	IP710-LFZ	LEGRAND	RH4FBL3PTC
	DS710	EATON	WBSD-010SLD
LUTRON	DVS7V-WH	HUBBLE	LHDIRS3N
	MS-Z101		

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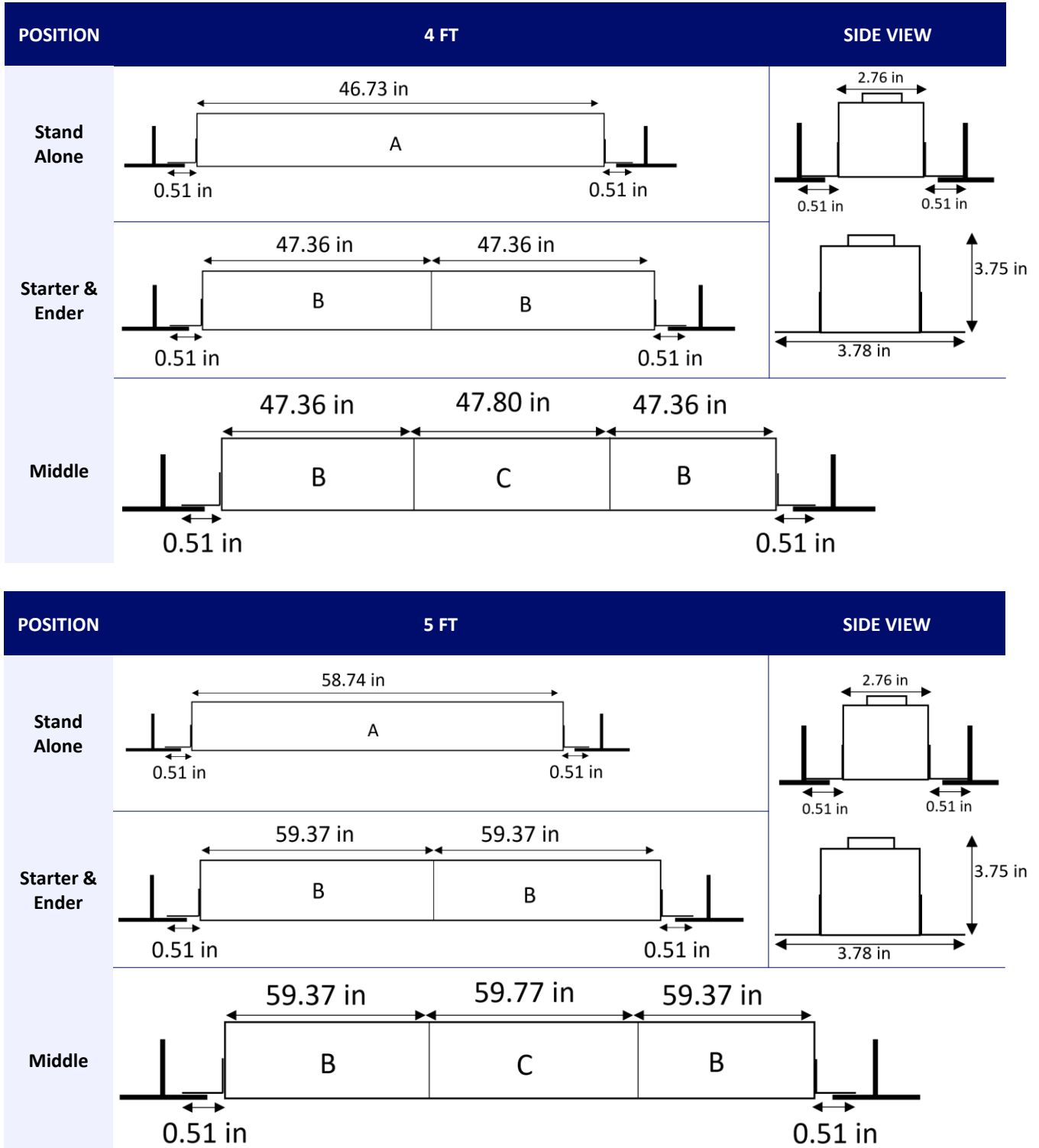
DIMENSIONS



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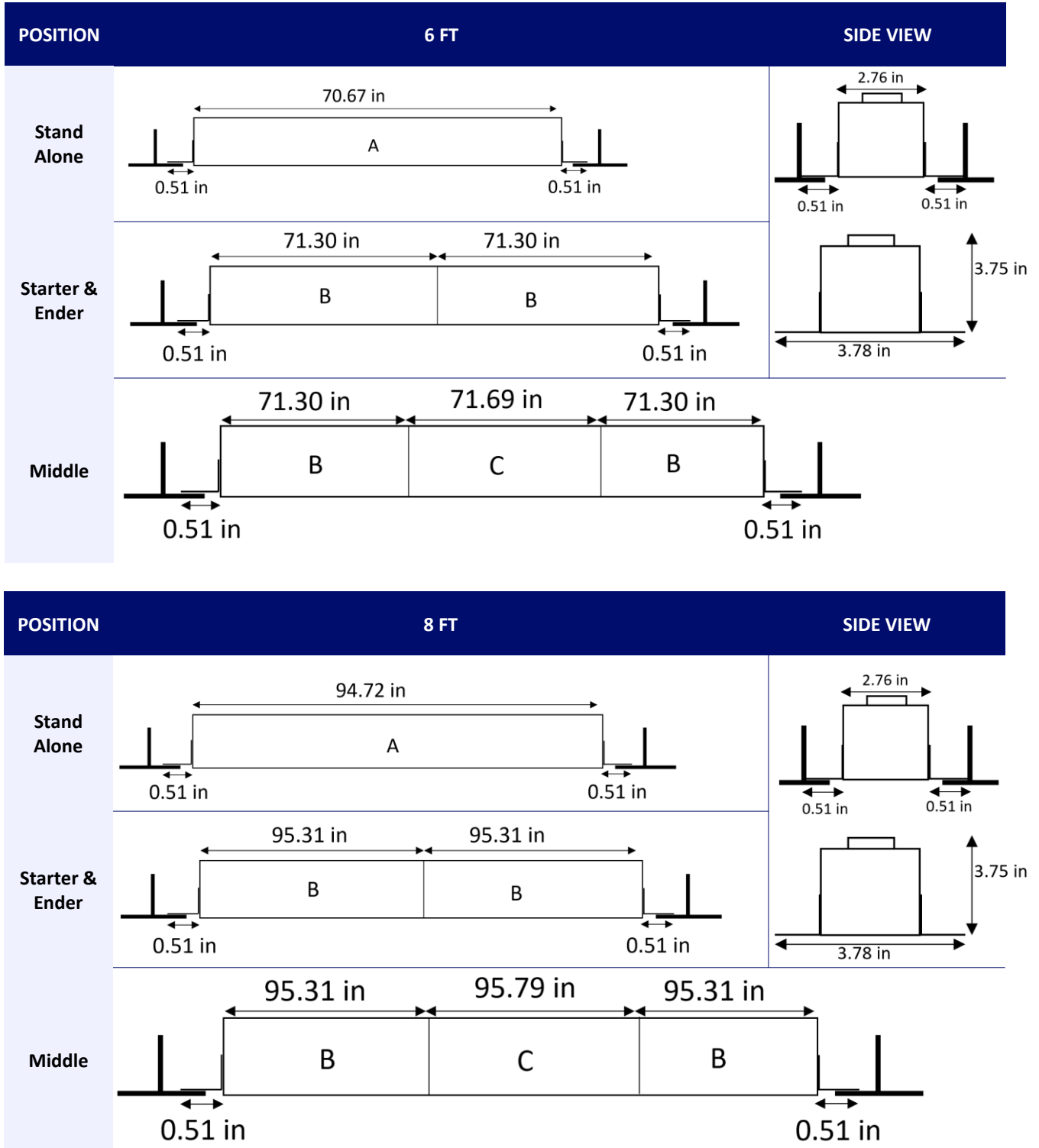
DIMENSIONS



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DIMENSIONS



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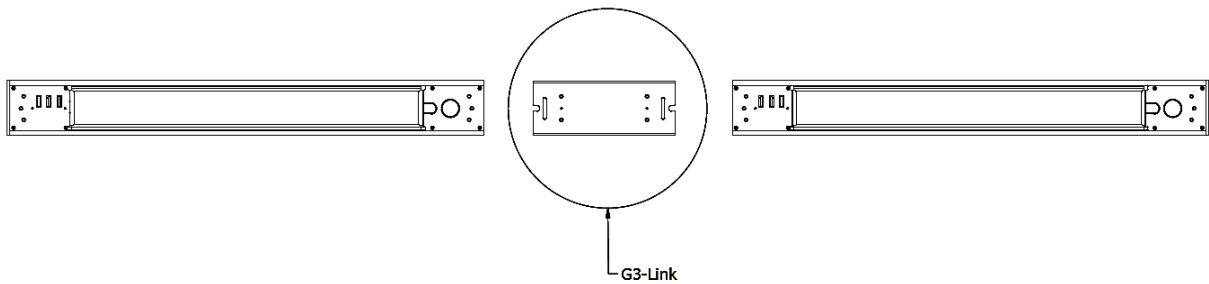
ACCESSORIES

Ordered separately if needed

POWER CORD

ORDER CODE	DESCRIPTION	PICTURE
AE-SF-PWRCORD-WH-18FT AE-SF-PWRCORD-BK-18FT	18' white / black power cord with 120-277V input voltage	
AE-SF-PWRCORD-HV-WH-18FT AE-SF-PWRCORD-HV-BK-18FT	18' white / black power cord with 120-347V input voltage	

For Continuous Run



G3-LINK

ORDER CODE	DESCRIPTION
AE-SF-G3-LINK	Seamless mechanical connection for continuous runs Preventing Light Leakage Easy installation

LINEAR LED LIGHT

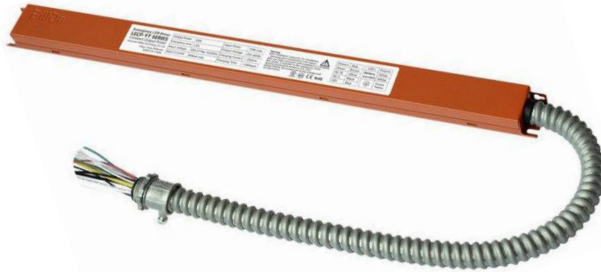
Recessed T-Grid | 2.5" Aperture | Direct

CONTROLS

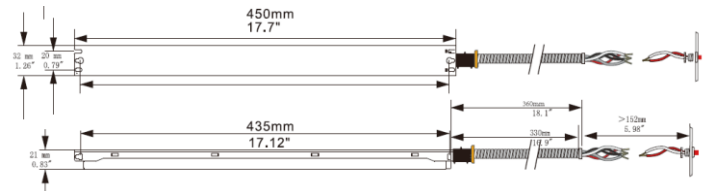
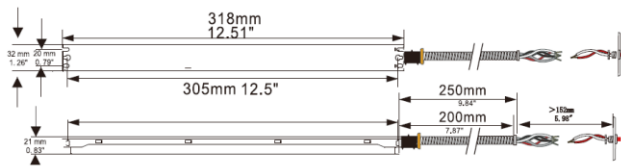
EMERGENCY LED DRIVER (BLD-YTXXD-XXX)

BLD-YT08D-XXX

BLD-YT15D-XXX



The BLD-YTXXD-XXX series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90 minutes of lighting. With an integrated battery, charger, and converter, it delivers 8 or 15W constant power at 30-60VDC. Its slim shape is ideal for use in linear LED lighting fixtures.



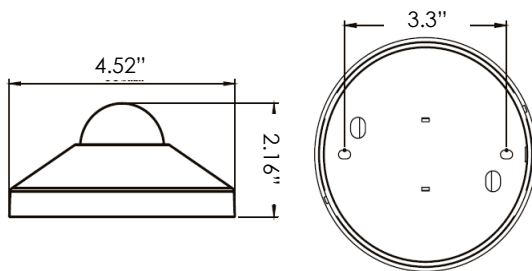
SPECIFICATIONS	
Input Voltage	30-60VDC
Power Frequency	50/60HZ
Output Voltage	30-60VDC
Output Power	8W 15W
Ambient Temperature	0°C to 50°C
	30°F to 122°F
Installation	Integrated

ROOM OCCUPANCY SENSOR

Ordered separately, field installed

PART NUMBER	DESCRIPTION
AE-CT-DT806	Detecta - Room Occupancy Sensor
RC102	RC102 Remote Control

SPECIFICATIONS	
Input Voltage	120-277 Vac
Power Frequency	50/60HZ
Rated Load	At 120 Vac 800W
	At 277 Vac 1200W
Detection Range	3-10 Meters
	9.8- 32.8 Feet
Standby Power	~0.9W
Time Setting	10 sec to 30 min
Light Control	10-2,000LUX
Installation	Ceiling Mounted



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LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

LUMEN ESTIMATE ADJUSTMENT FACTORS

CCT	3000K	3500K	4000K	5000K
PREMIUM (90CRI)	0.94	0.97	1	1.03

PHOTOMETRIC DATA

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA440		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	40W	0-20°	525.87	12.9		1.7ft	500 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	1112.9	27.2		3.3ft	133 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	1816.72	44.4		5.0ft	57.8 fc	14.8 ft	14.0 ft
Length	4ft	0-60°	3194.96	78.1		6.7ft	32.2 fc	19.8 ft	18.8 ft
		0-80°	3971.71	97.1		8.3ft	21 fc	24.5 ft	23.3 ft
		0-90°	4043.77	98.9	10.0ft	14.4 fc	29.5 ft	28.1 ft	
						■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°			

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA660		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	60W	0-20°	751.25	12.9		1.7ft	714 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	1589.85	27.2		3.3ft	189 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	2595.32	44.4		5.0ft	82.5 fc	14.8 ft	14.0 ft
Length	6ft	0-60°	4564.23	78.1		6.7ft	46 fc	19.8 ft	18.8 ft
		0-80°	5673.88	97.1		8.3ft	29.9 fc	24.5 ft	23.3 ft
		0-90°	5776.82	98.9	10.0ft	20.6 fc	29.5 ft	28.1 ft	
						■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°			

PART NUMBER		ZONAL LUMEN SUMMARY			POLAR LUMINOUS INTENSITY	CONE DISTRIBUTION			
AE-SF-G5CA880		Zone	Lumens	% Fixture	Direct Light	Center Beam Fc		Beam Width	
Wattage	80W	0-20°	981.56	12.90		1.7ft	933 fc	5.0 ft	4.8 ft
CCT	4000K	0-30°	2077.26	27.20		3.3ft	248 fc	9.7 ft	9.3 ft
Distribution	120°	0-40°	3390.97	44.40		5.0ft	108 fc	14.8 ft	14.0 ft
Length	8ft	0-60°	5963.5	78.10		6.7ft	60 fc	19.8 ft	18.8 ft
		0-80°	7413.33	97.10		8.3ft	39.1 fc	24.5 ft	23.3 ft
		0-90°	7547.83	98.90	10.0ft	27 fc	29.5 ft	28.1 ft	
						■ Vert. Spread: 111.7° ■ Horiz. Spread: 109.1°			

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OVERVIEW



Innovative Design

- Extruded aluminum housing for better heat dissipation.
- Highly durable polycarbonate and high transmittance lens.



Multiple Options

- Four standard length available; 2,4,5, 6, & 8ft.
- Three CCT switchable and power tunable.
- Black, white, silver, & gun powder finishes.

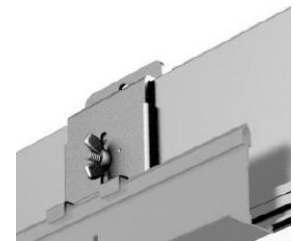


Emergency backup battery



Mountings Available

- Suspended (refer to the suspended spec sheet)
- Wall mount (refer to the wall mount spec sheet)
- Surface mount (refer to the surface mount spec sheet)
- Recessed T-grid



Features

- 1% dimming option
- Lutron Hi-lume Ecosystem driver with Soft-on



Tests And Certifications

