

Integrated LED Panel

LED Panel Light (Internal driver series)



CERTIFICATIONS



ORDERING MODEL

ALG TUBE	SERIES CODE	WATTAGE	LENGTH	Dimmable/ Non Dimmable
AL	Px	20W 25W 30W 40W 50W 60W 75W	600/1200	XDZ / XNZ
Product Code: example				
AL-P1-30W				

DESCRIPTION

ALPHA New LED lens technology channels the light emitted by the LED's on the side of the fixture and directs the light downward creating uniform light distribution without hot spots, flicker or glare. Bright and powerful—the minimum 20-watt LED light has 100 LEDs with an output of up to 2,400 lumens, the maximum 75-watt LED light has 375 LEDs with output of up to 9,000 lumens. LEDs have Daylight 5,000K color temperatures, and with dimming function, it is recommended to use 0-10V dimmer.

LED light panels are designed for residential and commercial suspended grid ceilings. Varieties of size 1x 4 ft, 1 x 2 ft, 2 x 2 ft, 2 x 4 ft LED panel light for office lighting, basement lighting, gym lighting, school lighting, hospital lighting, and more! Replace existing fluorescent troffer light fixtures or use for new construction applications. The energy-efficient, UL-Listed LED panel operates within a wide 100-277V/100-382 AC range, has a sturdy aluminum alloy frame with white finish and is designed for 100,000 hours of use—10 times longer than fluorescent panels. Includes a UL-Recognized constant-current driver. HIGH QUALITY-flickering free, buzzing free, heat emittance free. Soft and uniform light distribution.

EASY installation—These panels are designed for recessed mounting and does not require any accessories for recessed installation. Alternative mounting options are available: suspended and ceiling-mounted. Please contact our sales to inquire more.

ADVANTAGE

- Hotel
- Hospital
- School/Train station
- Conference/meeting rooms
- Residential/institution buildings
- Factories/office
- Other Commercial place
- Lighting the way to your site and maximum savings.
- The Flexibility and Safety you Desire, varieties of color temperature and wattage.

PRODUCT SPECIFICATION

ITEM	SPECIFICATION	
GENERAL PERFORMANCE	Model No.	AL-P1-30W
	Power Consumption	30W
	CRI	> 80
	Beam Angle	110°
	Driver	Dimmable
	CCT	3000K-7000K
	Input Voltage	100-277/100-382VAC
	PF	More than 0.9
	Dimming Function	0 - 10 V
	Operating Temperature	-30°C to 45°C
	Rated Power	30/40/60W
	Frequency	50 / 60 Hz
	Efficiency without ballast	More than 125 LPW
CERTIFICATION	Certification	UL, cUL, and DLC
	Lumen Output	more than 120 lumens per watt
	Dimensions (ft)	1ft by 4ft
	Warranty	5 Years/10 Years Option

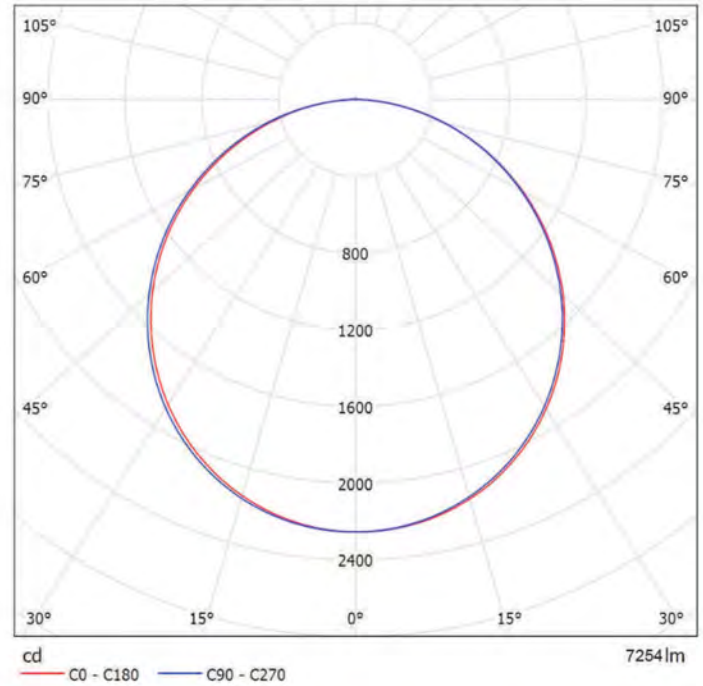
MODEL NO. WITH POWER CONSUMPTION

Product Number	Power Consumption (W)	Dimensions (ft)	Color Temperature (K)	System Luminous Flux(lm)	System Efficacy (Lm/W)
AL-P1-30W	30	1ft by 4ft	3000K-7000K	3,600	120
AL-P1-40W	40	1ft by 4ft	3000K-7000K	4,800	120
AL-P1-60W	60	1ft by 4ft	3000K-7000K	7,200	120

TECHNICAL DETAILS AND PHOTOMETRIC

Photometric Data

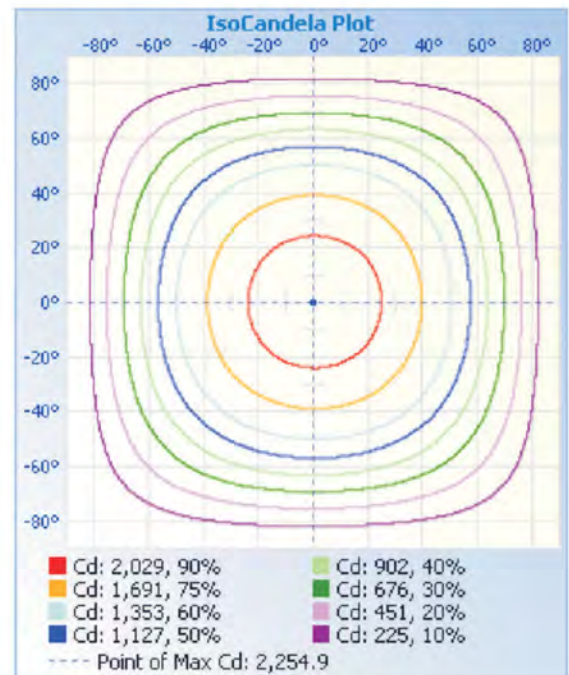
Rated Power	30/40/60W
Input Voltage	100-277/100-382VAC
Frequency	50 / 60 Hz
Power Factor	> 0.9
Beam Angle	110°
CRI	≥ 80
Dimming Function	0 - 10 V
Operating Temperature	-30°C to 45°C



60W illuminance plots

Illuminance at a Distance			
	Center Beam fc	Beam Width	
17.0ft	7.80 fc	52.3 ft	52.6 ft
34.0ft	1.95 fc	104.5 ft	105.1 ft
51.0ft	0.87 fc	156.8 ft	157.7 ft
68.0ft	0.49 fc	209.1 ft	210.3 ft
85.0ft	0.31 fc	261.3 ft	262.8 ft
102.0ft	0.22 fc	313.6 ft	315.4 ft

■ Vert. Spread: 113.9°
■ Horiz. Spread: 114.2°

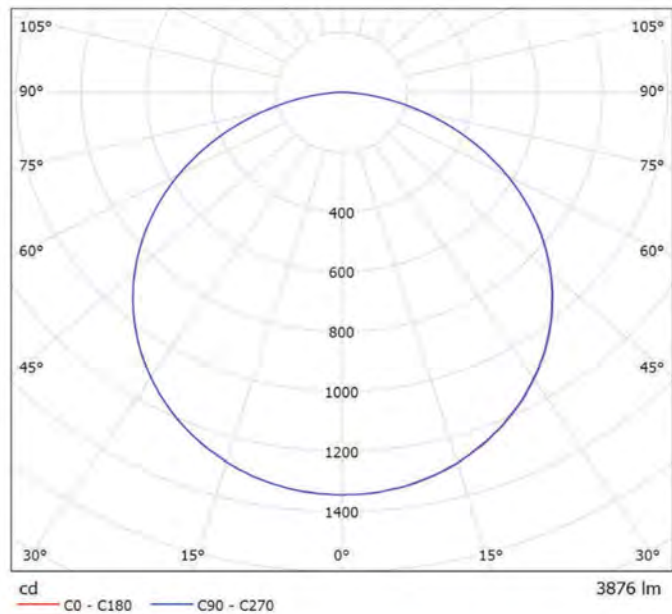


MODEL NO. WITH POWER CONSUMPTION

Product Number	Power Consumption (W)	Dimensions (ft)	Color Temperature (K)	System Luminous Flux(lm)	System Efficacy (Lm/W)
AL-P3-20W	20	1ft by 2ft	3000K-7000K	2,400	120
AL-P3-25W	25	1ft by 2ft	3000K-7000K	3,000	120
AL-P3-30W	30	1ft by 2ft	3000K-7000K	3,600	120

Photometric Data

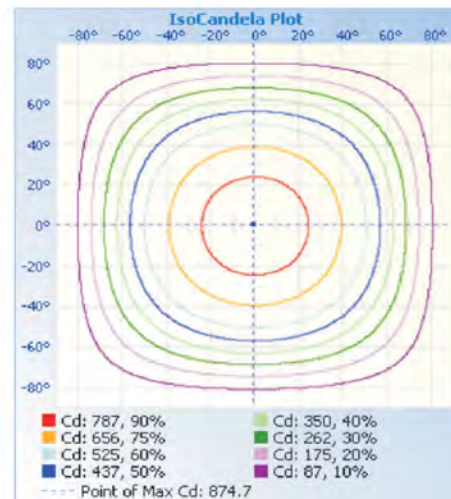
Rated Power	20/25/30W
Input Voltage	100-277/100-382VAC
Frequency	50 / 60 Hz
Power Factor	> 0.9
Beam Angle	110°
CRI	≥ 80
Dimming Function	0 - 10 V
Operating Temperature	-30°C to 45°C



30W illuminance plots

	Illuminance at a Distance	
	Center Beam fc	Beam Width
17.0ft	4.65 fc	52.0 ft 52.0 ft
34.0ft	1.16 fc	104.1 ft 104.0 ft
51.0ft	0.52 fc	156.1 ft 156.0 ft
68.0ft	0.29 fc	208.2 ft 208.0 ft
85.0ft	0.19 fc	260.2 ft 260.0 ft
102.0ft	0.13 fc	312.3 ft 312.0 ft

■ Vert. Spread: 113.7°
■ Horiz. Spread: 113.6°

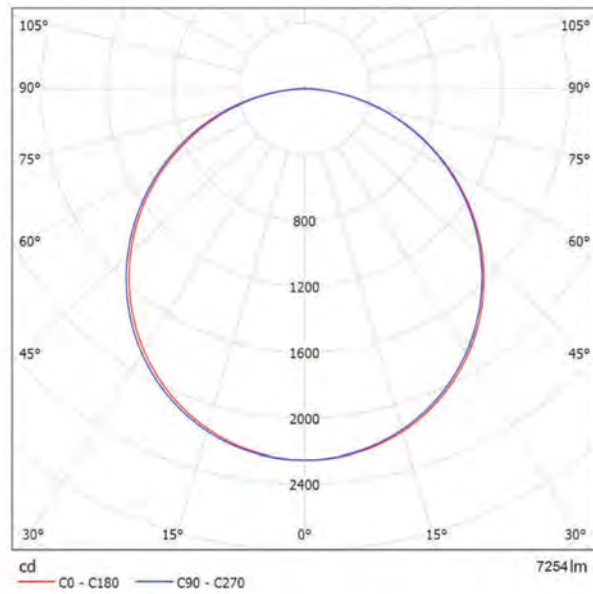


MODEL NO. WITH POWER CONSUMPTION

Product Number	Power Consumption (W)	Dimensions (ft)	Color Temperature (K)	System Luminous Flux(lm)	System Efficacy (Lm/W)
AL-P4-20W	20	2ft by 2ft	3000K-7000K	2,400	120
AL-P4-30W	30	2ft by 2ft	3000K-7000K	3,600	120
AL-P4-40W	40	2ft by 2ft	3000K-7000K	4,800	120
AL-P4-60W	60	2ft by 2ft	3000K-7000K	7,200	120

Photometric Data

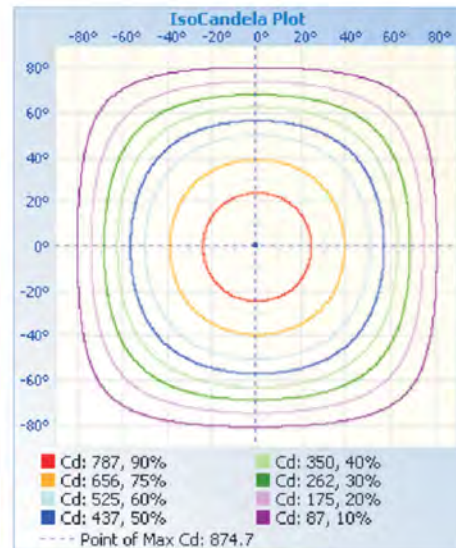
Rated Power	30/40/60W
Input Voltage	100-277/100-382VAC
Frequency	50 / 60 Hz
Power Factor	> 0.9
Beam Angle	110°
CRI	≥ 80
Dimming Function	0 - 10 V
Operating Temperature	-30°C to 45°C



60W illuminance plots

	Center Beam fc	Beam Width	
17.0ft	7.80 fc	52.3 ft	52.6 ft
34.0ft	1.95 fc	104.5 ft	105.1 ft
51.0ft	0.87 fc	156.8 ft	157.7 ft
68.0ft	0.49 fc	209.1 ft	210.3 ft
85.0ft	0.31 fc	261.3 ft	262.8 ft
102.0ft	0.22 fc	313.6 ft	315.4 ft

■ Vert. Spread: 113.9°
■ Horiz. Spread: 114.2°

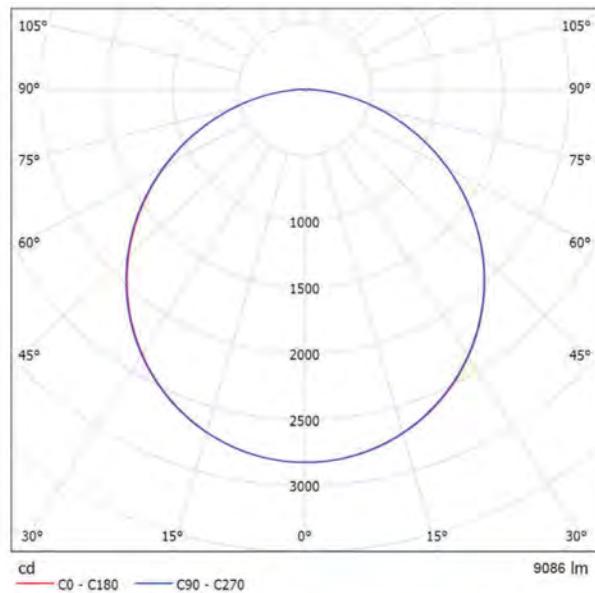


MODEL NO. WITH POWER CONSUMPTION

Product Number	Power Consumption (W)	Dimensions (ft)	Color Temperature (K)	System Luminous Flux(lm)	System Efficacy (Lm/W)
AL-P7-40W	40	2ft by 4ft	3000K-7000K	4,800	120
AL-P7-50W	50	2ft by 4ft	3000K-7000K	6,000	120
AL-P7-75W	75	2ft by 4ft	3000K-7000K	9,000	120

Photometric Data

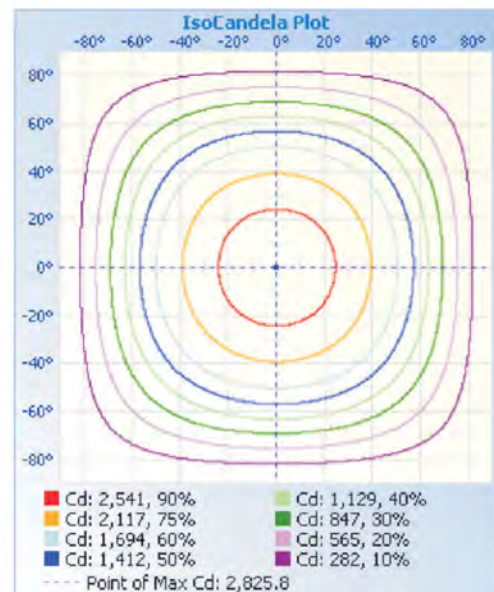
Rated Power	40/50/75W
Input Voltage	100-277/100-382VAC
Frequency	50 / 60 Hz
Power Factor	> 0.9
Beam Angle	110°
CRI	≥ 80
Dimming Function	0 - 10 V
Operating Temperature	-30°C to 45°C



75W illuminance plots

	Center Beam fc	Beam Width	
17.0ft	9.77 fc	52.3 ft	52.4 ft
34.0ft	2.44 fc	104.6 ft	104.9 ft
51.0ft	1.09 fc	156.8 ft	157.3 ft
68.0ft	0.61 fc	209.1 ft	209.7 ft
85.0ft	0.39 fc	261.4 ft	262.1 ft
102.0ft	0.27 fc	313.7 ft	314.6 ft

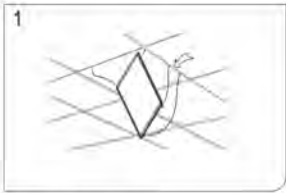
■ Vert. Spread: 113.9°
■ Horiz. Spread: 114.1°



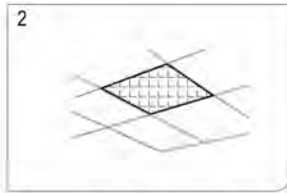
MODEL NO. WITH POWER CONSUMPTION

Mounting Option

Recessed way

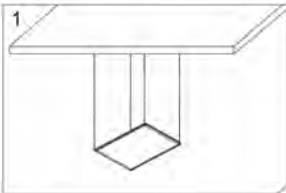


1. Safety wire design available.

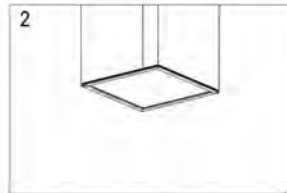


1. Perfectly to replace traditional fluorescent troffer.

Pendant way

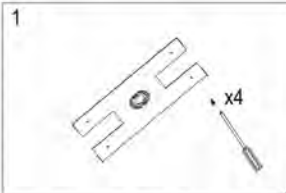


1. Wire pendant installation.

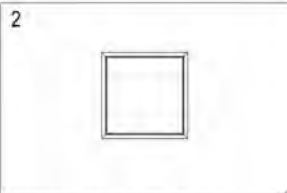


2. Conveniently to adjust the luminaires high.

Surface mouting



1. Tighten the installation bracket on the ceiling board



2. Easily to match the LED panel with bracket.

Dimensions

P1 series



P3 series



P4 series



P7 series

