

DATA LUME - LEDP2450W



2' x 4' LED PANEL LIGHTS FOR ROD SUSPENDED CEILINGS

The DataLUME Model LEDP2450W 2' x 4' LED Panel is designed to lay in Gordon G20 or G38 series rod-suspended structural Data Center and Cleanroom ceiling systems.

The standard LEDP2450W LED Panel is available in a neutral color temperature and offers 0-10V DC Control dimming.

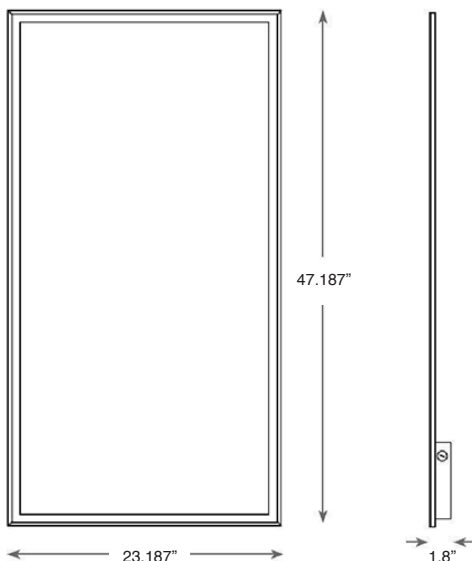
The LEDs enable long life, high lumen maintenance, and high CRI. LED Panels are low maintenance, and constructed without hazardous materials.

■ Features

- Panel frame is extruded aluminum, painted white
- Ultra thin for narrow plenums
- Delivered Light Output: 5,000 lumens
- Input Power: 50 watts
- CRI: 80
- CCT: 4,000K, 5,000K
- Input Voltage: 100-277 VAC
- Warranty: 5 years
- Lifetime: Designed to last 50,000 hours
- Dimming: 10% - 100% with 0-10V dimming controls
- Mounting: Recessed, Suspension
- Dimensions: L 23.187" x W 47.187" x H 1.8"
- Weight: max 14 lbs.
- Certification: cETLus, Fcc
- Environment: Damp location
- Also available in 2' x 2'
- Fits standard T-bar and narrow grid drop ceilings
- 7/8" conduit knock out provided



Dimensions:



Product Specifications

ITEM	SPECIFICATION	DETAILS
General Performance	Spacing Criteria	Available upon request
	Wattage (W)	50W
	Color Temperature (CCT)	5000K
	Nominal Lumens Delivered	5000lm
	Efficacy (LM/W)	100lm/w
	CRI	90
	Color Consistency	Proprietary binning for uniform color
	Lumen Maint. (L70)	More than 50,000 hours
Electrical	Power Factor	Over 95%
	Input Voltage	100V-277V 50/60 Hz
	Power Consumption	50 watt nominal
Control	Dimming Switch	Standard 0 -10V dimming 10%-100%
	Linking Lengths/Qty	14 cable feet x 20 panels
Physical	Dimensions	23.2"x 47.2"x 1.8"
	Weight	Max 14 lbs.
	Housing	Aluminum
	Lens	Translucent white PS
	Operating Temperature	-5°F to 104°F
Certification	Humidity	20% - 85% RH, non condensing
	Certification	cETLus, Fcc
	Material Usage	RoHS compliant; no mercury
	Environment	Damp location
	Warranty	Five year

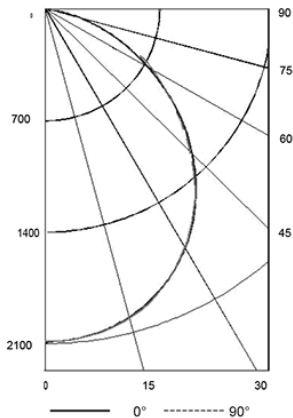
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Photometry

LEDP2450W / Test wattage: 47.2w



Intensity (Candlepower) Summary		
Angle	0°	90°
0°	1675	1675
5°	1669	1668
15°	1599	1597
25°	1477	1474
35°	1329	1321
45°	1099	1094
55°	878	878
65°	598	594
75°	310	311
85°	66	66
90°	1	2

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fix
0-30	1304	27.0%	27.0%
0-40	2141	44.3%	44.3%
0-60	3802	78.7%	78.7%
0-90	4833	100%	100%

Application Reference

Open Space					
Spacing	Lumens	Wattage	LPW	w/ft ²	Average fc
8 x 8	5000Lm	50	100	0.78	70
8 x 10	5000Lm	50	100	0.60	52
10 x 10	5000Lm	50	100	0.50	44
10 x 12	5000Lm	50	100	0.42	37

9' ceiling: 80/50/20 reflectances, 2.5' workplane, open room, CCT:4000K
LLF: 1.0 Initial. Open Space: 50' x 40' x 10'

Luminaire Ordering Information:

Watts	Order Number	Model Number	Nominal Lumens	Lamp Life (Hrs.)	Dimensions (L"xW"xH")	CCT
50		LEDP2450W	5000	50,000	23.187"X 47.187"X 1.8"	5000



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