Certified LED Lights®

Product Data Sheet
2x2 and 2x4 panels

Product Overview

This 2XBP panels series uses dip-switches to switch between five wattage and 5 CCT ranges making it ideal for offices, schools, hospitals, and other indoor spaces. The light engine is comprised of long-lasting, energy-efficient LEDs mounted on aluminum heat sinks. In addition to reducing heat dissipation, this setup extends the life of the product. Even after 50,000 hours of continuous operation, these LEDs maintain 90% of their light output.

The aluminum alloy body and integrated driver provide seamless light distribution that is superior to edge-lit panels, while providing higher structural integrity. This product is also available with an integrated emergency backup driver.

This panel comes with a 5 year warranty and 50,000 hours from the date of delivery to the end-user, covering light output, color stability, and driver performance.

An independent laboratory tests our lights and LED components to ensure they meet the IESNA LM-79 and LM-80 standards. LED color temperature is warrantied to shift no more than 180K over the standard warranty period. Correlated Color Temperature (CCT) follows the guidelines set forth in the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Applications

Schools   **Offices**   **Commercial Buildings**   **Healthcare**

Main Features

* CCT: 5 color temperature selectable in the field

* Wattage: 5 adjustable power selectable in the field

* DLC 5.1 premium listed

* UL listed for damp location

* ETL listed

* FCC Part 15, class B

* 110 to 132 lumens per watt

* Long-life LEDs provide 50,000 hours of operation

* Universal 100-277 AC voltage (50-60Hz) is standard

* 0-10 V dimming capability is standard

* Strengthened ultra lightweight 6063 aluminum frame

* Standard earthquake clips provide secure installation in grid ceilings

* Battery backup option available

Product Warranty

WARRANTY **5 YEARS** WARRANTY

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Highlights and Certifications

ETL Listed

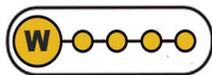**Damp Location**

DLC 5.1 Premium Listed
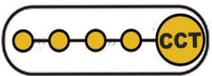
Dimming: 0-10V

FCC Part 15, Class B

UL listed for damp location

Field selectable wattage 5-way dip switch: 20, 25, 30, 35, 40W for the 2x2 panel 30, 40, 50, 60, 75W for the 2x4 panel

Field selectable CCT 5-way dip switch: 3K, 35K, 4K 5K 6K for both panels

Key Specifications

* CCT: color temperature selectable 3K, 35K, 4K, 5K, 60K
* Adjustable power: 20, 25, 30, 35, 40W for 2x2 panel
* Adjustable power: 30, 40, 50, 60,72W for 2x4 panel
* *LED chips 2835, IP protected*
* *Operating temperatures from -4°F to 120°F*
* *Storage temperature from -4° F to 158°F*
* Power factor > 0.90
* CRI > 80
* Viewing angle: 120 degrees
* Easy installation in new construction or retrofit

Performance

2x2   20 W

Color	3000	3500	4000	5000	6000
Lumens	2200	2200	2200	2200	2200
Lumens / Watt	110	110	110	110	110

2x2   25 W

Color	3000	3500	4000	5000	6000
Lumens	2750	2750	2750	2750	2750
Lumens / Watt	110	110	110	110	110

2x2   30 W

Color	3000	3500	4000	5000	6000
Lumens	3300	3300	3300	3300	3300
Lumens / Watt	110	110	110	110	110

2x2   35 W

Color	3000	3500	4000	5000	6000
Lumens	3850	3850	3850	3850	3850
Lumens / Watt	110	110	110	110	110

2x2   40 W

Color	3000	3500	4000	5000	6000
Lumens	4400	4400	4400	4400	4400
Lumens / Watt	110	110	110	110	110

2x4   30 W

Color	3000	3500	4000	5000	6000
Lumens	3736	3890	3939	3932	3945
Lumens / Watt	125	130	131	131	132

2x4   40 W

Color	3000	3500	4000	5000	6000
Lumens	4824	5065	5135	5128	5084
Lumens / Watt	121	127	128	128	127

2x4   50 W

Color	3000	3500	4000	5000	6000
Lumens	5814	6143	6235	6228	6117
Lumens / Watt	116	123	125	125	122

2x4   60 W

Color	3000	3500	4000	5000	6000
Lumens	6743	7178	7279	7250	7063
Lumens / Watt	112	120	121	121	118

2x4   72 W

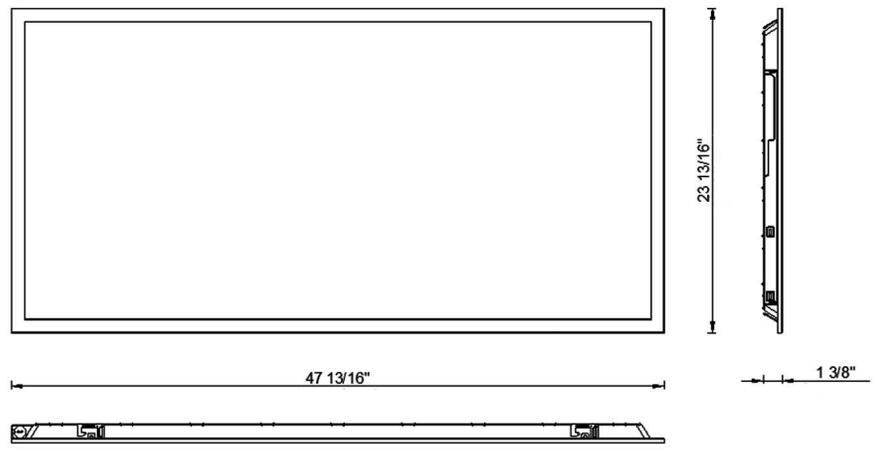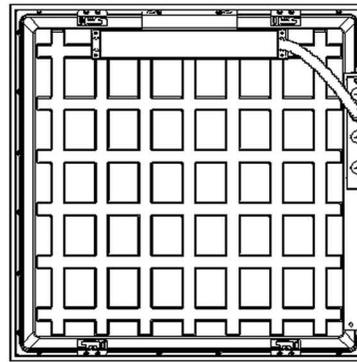| Color	3000	3500	4000	5000	6000
Lumens	7780	8253	8415	8341	8070
Lumens / Watt	108	114	116	116	112

Performance data is based on a test at 120V
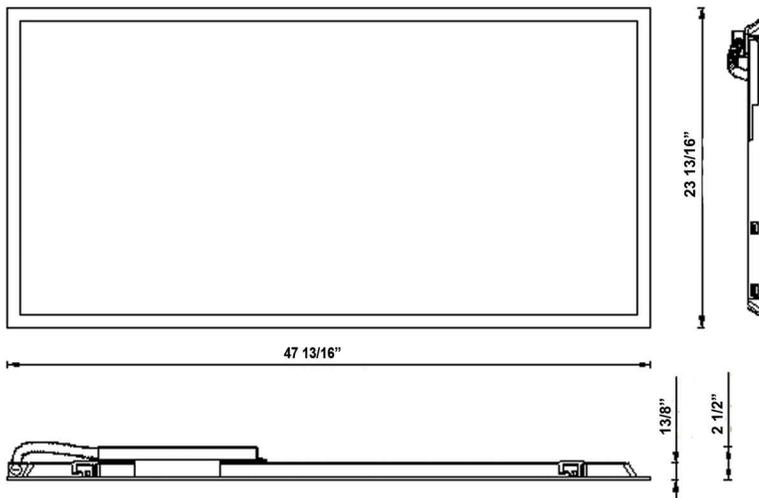
Dimensions

2 x 2 panel without EM driver

23 13/16"

23 13/16"

1 5/16"
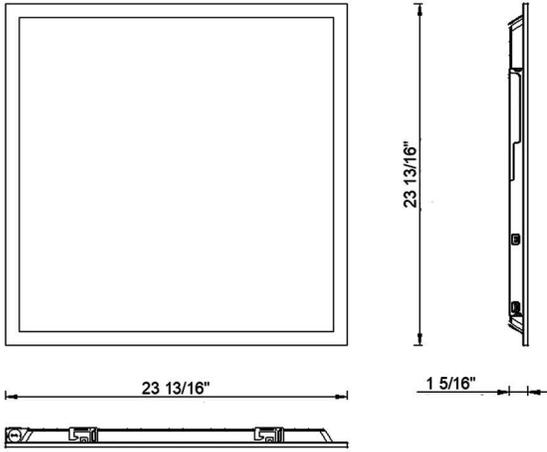
2 x 4 panel without EM driver

23 13/16"

47 13/16"

1 3/8"

2 x 2 panel with factory installed EM driver

23 13/16"

23 13/16"

1 5/16"

2 1/2"

2 x 4 panel with factory installed EM driver

23 13/16"

47 13/16"

13/8"

2 1/2"

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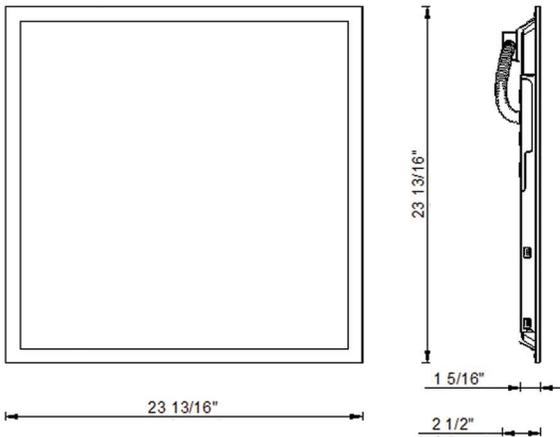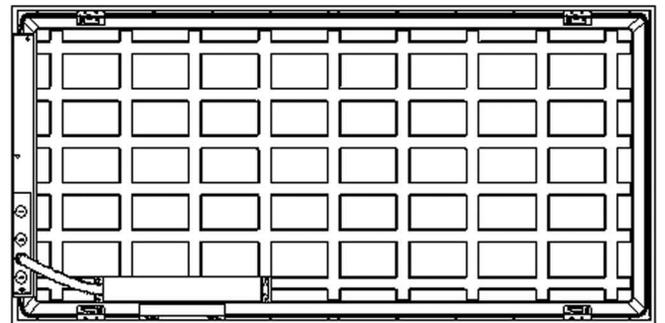
Ordering Guide

PART #	LUMENS	WATTAGE SELECTABLE	CCT TUNABLE
22BPANEL-40W-27-5TCP	2200 – 4400	20,25,30,35,40w	3K,35K, 4K, 5K, 60K
24BPANEL-72W-27-5TCP	3736 – 8341	30,40,50,60,72w	3K,35K, 4K, 5K, 60K
22BPANEL-40W-27-5TCP-EM	2200 – 5200	20,25,30,35,40w	3K,35K, 4K, 5K, 60K
24BPANEL-72W-27-5TCP-EM	3736 – 8341	30,40,50,60,72w	3K,35K, 4K, 5K, 60K

Notes:
- 22BPANEL means 2x2 panel
- 24BPANEL means 2x4 panel
- 27 means panels are 120-277V
- 40W means wattage selectable from 20 to 40W
- 72W means wattage selectable from 30 to 72W
- 5TCP means the products is 5 CCT selectable
- EM at the end of the part number means the panel comes with a factory installed emergency driver
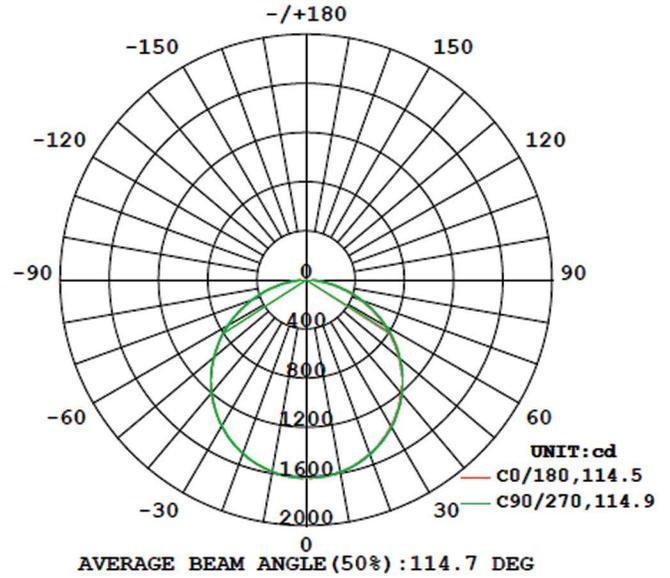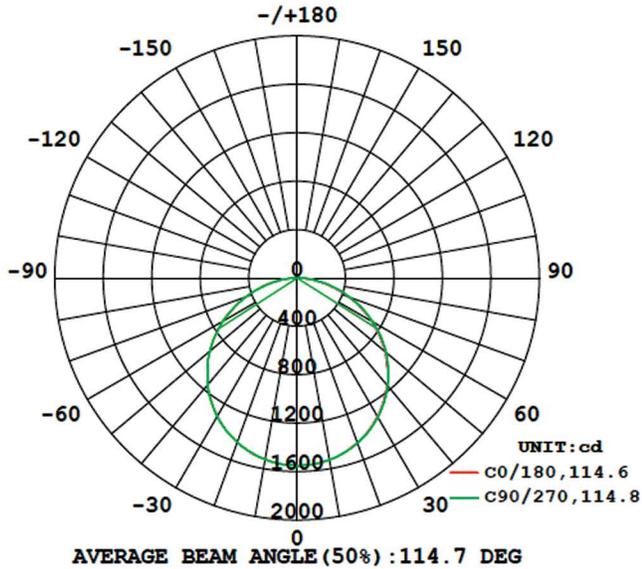
Accessories Ordering Guide

CATEGORY	PART #	DESCRIPTION	NOTE	PICTURE
EM Driver	HM08D-8W	Factory installed emergency driver for 2x2 panel	Separate panel model number with factory installed EM driver	
	HM15D-15W	Factory installed emergency driver for 2x4 panel		
Surface Mount Kit	DTH-SMKT-22	Surface mount kit for 2x2 panels	Order separately	
	DTH-SMKT-24	Surface mount kit for 2x4 panels	Order separately	
Suspension Cable	DTH-SK6	Suspension cable for both 2x2 and 2x4 panel	Order separately	

Photometric Data

40W - 120 Volts - 3000K - Efficiency : 108.47 Lumens

UNIT:cd
C0/180,114.6
C90/270,114.8

AVERAGE BEAM ANGLE(50%):114.7 DEG

40W - 120 Volts - 6000K - Efficiency : 113.08 Lumens

UNIT:cd
C0/180,114.5
C90/270,114.9

AVERAGE BEAM ANGLE(50%):114.7 DEG

72W - 120 Volts - 3000K - Efficiency : 106.90 Lumens

UNIT:cd
C0/180,117.3
C90/270,116.3

AVERAGE BEAM ANGLE(50%):116.8 DEG

72W - 120 Volts - 6000K - Efficiency : 111.85 Lumens

UNIT:cd
C0/180,117.6
C90/270,116.5

AVERAGE BEAM ANGLE(50%):117.1 DEG