HBP SERIES

TUNABLE LED BACK-LIT PANEL

Project:	
Type:	
Catalog #:	

2x2 and 2x4 Tunable Models

FEATURES

Lumen Output	3900 to 5200 lumens
Efficacy	130 lm/W
Input Voltage	120-277V
Dimmable	0-10V Continuous
CCT	Select (3500K, 4000K, 5000K)
Size	2x2, 2x4
Warranty	7 Years

APPLICATIONS

Premium indoor luminaire suitable for general indoor commercial spaces, lobbies, offices, meeting rooms, schools, retail stores, restrooms, hallways, and work-stations.

CONSTRUCTION

Manufactured for durability using aluminum sheet housing with satin coating to resist corrosion, discoloration, and scratching. For use in Dry Locations.

ELECTRICAL

Input voltage 120-277V with 0-10V Continuous Dimming. Tunable 3-CCT (3500K, 4000K, 5000K) and Tunable 3-Wattage (30W, 35W, 40W). Operating temperatures -4°F to 104°F (-20°C to 40°C).

MOUNTING

Recessed T-Bar Ceiling Mount. Optional Surface Mount Kits and Flange Kits available.

OPTICS

Anti-UV Frosted Polycarbonate Lens.

EMERGENCY

Emergency Battery Backup Tunable, Select (10W, 15W, 20W) installed available.

LISTINGS

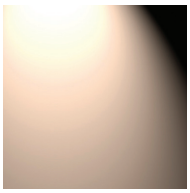
DLC Premium listed. UL certified to meet US and Canadian standards. FCC, CE and RoHS compliant.

WARRANTY

7 year exclusive limited warranty.

TUNABLE
CORRELATED COLOR TEMPERATURES (CCT)

3500K



4000K

5000K

HBP SERIES

TUNABLE LED BACK-LIT PANEL

SPECIFICATIONS

ENERGY DATA

Input Voltage: 120-277V

Input Frequency: 50/60 Hz

Wattage: Select (30W, 35W, 40W)

Power Factor: >0.9

Total Harmonic Distortion (THD): <20%

Operating Temperature: -4°F to 104°F (-20°C to 40°C)

LIGHTING DATA

Lumens: Select [3900 (30W), 4550 (35W), 5200 (40W)]

Lumens Per Watt: 130 lm/W

Color Correlated Temperature (CCT): Select (3500K, 4000K, 5000K)

Dimmable: 0-10V

Color Rendering Index (CRI): >80

L70: 75000 hours

ORDERING INFORMATION

Model	Size	Wattage	Voltage	Current	Lumens	Efficacy	CCT	Dimming	Color	Dimensions	Weight
HBP-22-40W	2x2	(30W 35W 40W)	120-277V	0.25A@120V, 0.11A@277V 0.29A@120V, 0.13A@277V 0.33A@120V, 0.14A@277V	3900 4550 5200	130 lm/W	(3500K, 4000K, 5000K)	0-10V	White	23.74"L x 23.74"W x 1.50"H	4.60 lbs
HBP-24-40W	2x4	(30W 35W 40W)	120-277V	0.25A@120V, 0.11A@277V 0.29A@120V, 0.13A@277V 0.33A@120V, 0.14A@277V	3900 4550 5200	130 lm/W	(3500K, 4000K, 5000K)	0-10V	White	47.72"L x 23.74"W x 1.50"H	10.00 lbs

Mount		Emergency	
FK22	2x2 Flange Kit	**BLD-AM20D-480800**	INSTALLED - Emergency Battery Backup Tunable, Select (10W, 15W, 20W)
FK24	2x4 Flange Kit	**(Blank)**	None
FPSMK22	2x2 Surface Mount Kit		
FPSMK24	2x4 Surface Mount Kit		
(Blank)	None		

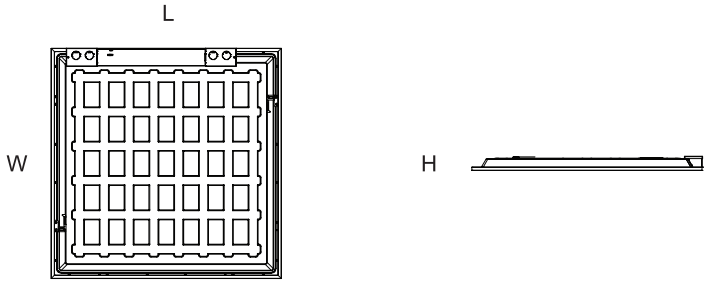
ORDERING EXAMPLE

HBP	22	40W	FK22	BLD-AM20D-480800
Group	Size	Wattage	Mount	Emergency

PHYSICAL DIMENSIONS

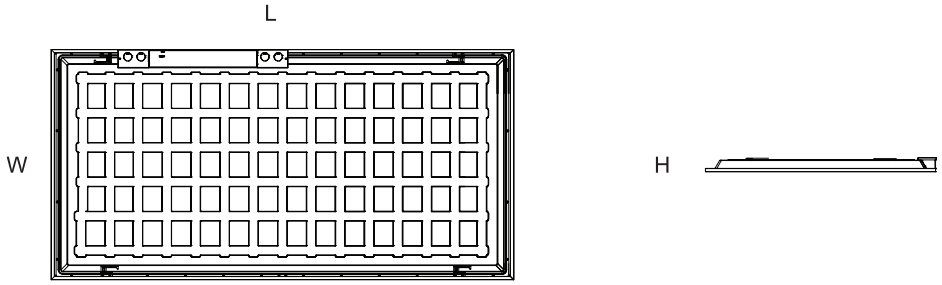
2x2 Models

23.74”L x 23.74”W x 1.50”H



2x4 Models

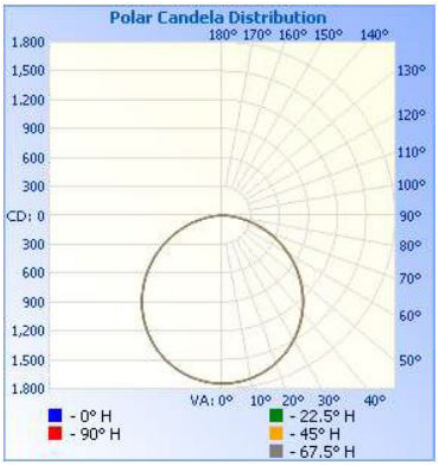
47.72”L x 23.74”W x 1.50”H



SHIPPING INFORMATION

Model	Unit Weight	Shipping Dimensions	Shipping Weight	Quanty /Box
2x2	4.60 lbs	25.79”L x 25.40”W x 9.37”D	22.30 lbs	4
2x4	10.00 lbs	49.49”L x 25.79”W x 9.37”D	41.30 lbs	4

HBP-22-40W



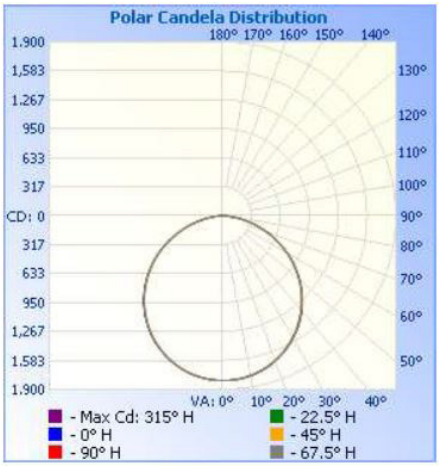
ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0-30	1361.1	26.6%	26.6%
0-40	2235.4	43.7%	43.7%
0-60	3976.9	77.7%	77.7%
60-90	1124.6	22.0%	22.0%
70-100	486.3	9.5%	9.5%
90-120	6.4	0.1%	0.1%
0-90	5105.5	99.7%	99.7%
90-180	13.9	0.3%	0.3%
0-180	5115.4	100%	100%

ILLUMINANCE

Height	Center Beam fc	Beam Width	
4.0 ft	109.1 fc	12.4 ft	12.3 ft
8.0 ft	27.3 fc	24.7 ft	24.6 ft
12.0 ft	12.1 fc	37.1 ft	36.8 ft
16.0 ft	6.8 fc	49.5 ft	49.1 ft
20.0 ft	4.4 fc	61.8 ft	61.4 ft
		Vert. 114.2°	Horiz. 113.8°

HBP-24-40W



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Luminaire
0-30	1405.2	26.8%	26.8%
0-40	2308.5	44.1%	44.1%
0-60	4105.5	78.4%	78.4%
60-90	1123.4	21.4%	21.4%
70-100	473.8	9.0%	9.0%
90-120	5.1	0.1%	0.1%
0-90	5228.9	99.8%	99.8%
90-180	9.1	0.2%	0.2%
0-180	5238.0	100%	100%

ILLUMINANCE

Height	Center Beam fc	Beam Width	
4.0 ft	112.6 fc	12.3 ft	12.3 ft
8.0 ft	28.1 fc	24.7 ft	24.6 ft
12.0 ft	12.5 fc	37.0 ft	36.8 ft
16.0 ft	7.0 fc	49.3 ft	49.1 ft
20.0 ft	4.5 fc	61.7 ft	61.4 ft
		Vert. 114.1°	Horiz. 113.8°