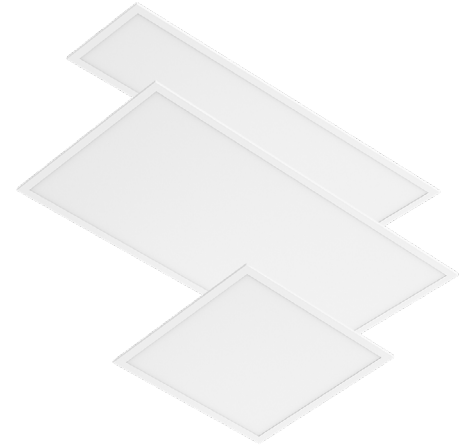


PBLP

LED BACKLIT PANEL

3 CCT AND 3 POWER SELECTABLE



PBLP LED panel lights utilize next-generation back-lit technology, ensuring high performance, superior uniformity, and reduced glare. Featuring a 120-347 V driver and the versatility to change the colour temperature and lumen output with a simple switch, the PBLP series are the premier and cost-effective solution for reducing stocking inventory. These commercial grade LED panels lights are the ideal replacement for traditional fluorescent fixtures in offices, schools, and commercial buildings.

FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- White aluminum alloy frame
- PMMA LED lens
- CCT and Power Selectable switches are placed on the driver box

Mounting

- Recessed, suspended or surface

PERFORMANCE DATA

- Available in 3 500/4 000/5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 120 000 hours to L70
- 0-10 V dimming standard
- 1.5 kV surge protection
- Operating temperature: -20 °C to 35 °C [-4 °F to 95 °F]

COMPLIANCES

- cULus listed for damp locations
- IC rated
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- DLC Premium
- Conforms to NSF STD.2 and certified to be used in food handling applications
- Conforms to:
 - CAN/ULC-S102.3-07 Standard method of fire test of light diffusers and lenses
 - CAN/ULC-S102.2-10 Standard method of test for surface burning characteristics of flooring, floor coverings, and miscellaneous materials and assemblies

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	125 - 138
WATTS (W)	20/30/40 30/40/50	COLOR TEMPERATURE (K)	3 500/4 000/5 000
LUMEN OUTPUT (LM)	2 650 - 6 600	CRI	80+
           			

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

QUICK SHIP ORDERING GUIDE



PART NUMBER	WATTS [W]	VOLTS [VAC]	COLOR TEMP. [K] ¹	LUMEN OUTPUT [LM] ^{2,3}	EFFICIENCY [LM/W]	CRI	LIFE L70 [HRS] ⁴	TESTED HOURS LM-80 [HRS] ⁴	DIMMING [YES/NO]	POWER FACTOR	THD [%]	MASTER CASE QTY
1'x4'												
PBLP-1LPS40P-32/3C	20/30/40	120-347	3 500/4 000/5 000	2 750/4 000/5 100	127	80+	120 000	10 000	YES	0.90	<20	2 ⁵
2'x2'												
PBLP-2LPS40P-32/3C	20/30/40	120-347	3 500/4 000/5 000	2 650/4 000/5 100	127	80+	120 000	10 000	YES	0.90	<20	2 ⁵
2'x4'												
PBLP-4LPS50P-32/3C	30/40/50	120-347	3 500/4 000/5 000	4 100/5 400/6 600	132	80+	120 000	10 000	YES	0.90	<20	2 ⁵

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.

³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

⁵ Standard packaging is 2 panels per master case without individual box.

LUMEN SPECIFICATION TABLE

PART NUMBER	WATTS [W]	3 500 K		4 000 K		5 000 K	
		LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]	LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]	LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]
PBLP-1LPS40P-32/3C	20	2 650	133	2 750	138	2 750	138
	30	3 900	130	4 000	133	4 000	133
	40	5 000	125	5 100	128	5 100	128
PBLP-2LPS40P-32/3C	20	2 650	133	2 750	138	2 750	138
	30	3 900	130	4 000	133	4 000	133
	40	5 000	125	5 100	128	5 100	128
PBLP-4LPS50P-32/3C	30	4 000	133	4 100	137	4 100	137
	40	5 300	130	5 400	135	5 400	135
	50	6 500	130	6 600	132	6 600	132

DEFAULT PROGRAMMING

PBLP-1LPS40P-32/3C: 40 W / 4 000 K

PBLP-2LPS40P-32/3C: 40 W / 4 000 K

PBLP-4LPS50P-32/3C: 50 W / 4 000 K

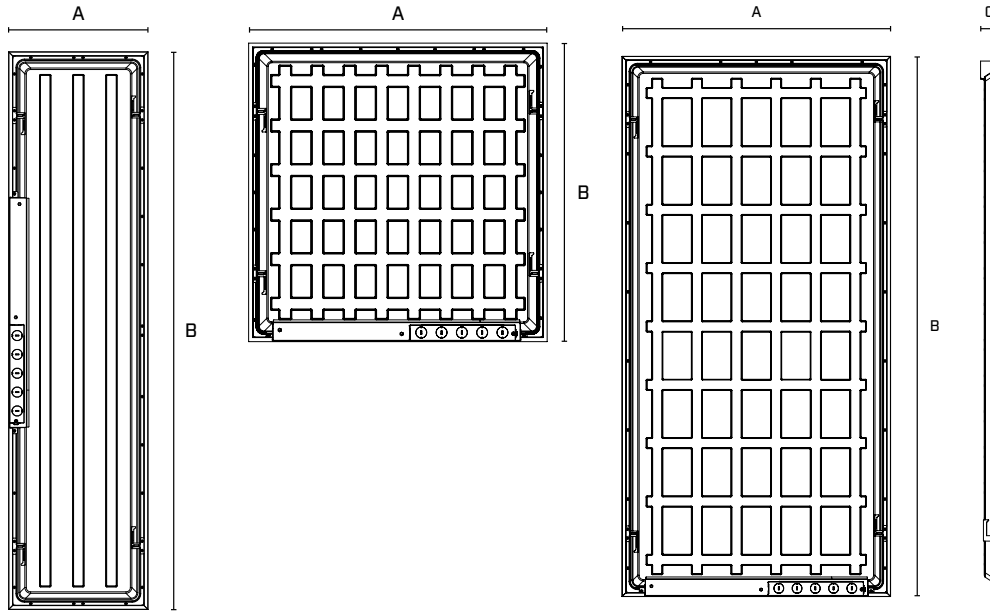
DLC UNIQUE ID TABLE

PART NUMBER	DLC PREMIUM UNIQUE ID		DLC STANDARD UNIQUE ID	
	AMBIENT LIGHTING	LOW BAY	AMBIENT LIGHTING	LOW BAY
PBLP-1LPS40P-32/3C	S-Y81X95	-	-	-
PBLP-2LPS40P-32/3C	S-DF3NLF	-	-	S-18VLLL
PBLP-4LPS50P-32/3C	S-KNQG79	S-68HXRJ	-	-

ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE	COMPATIBLE WITH
PF-DWK-1X4-A	Drywall Kit	1'x4'
PF-DWK-2X2-A	Drywall Kit	2'x2'
PF-DWK-2X4-A	Drywall Kit	2'x4'
CAS973-1	Surface Mount Kit	1'x4'
CAS973-2	Surface Mount Kit	2'x2'
CAS973-3	Surface Mount Kit	2'x4'
KIT-SUS-CH	Suspension Kit	1'x4', 2'x2' & 2'x4'

DIMENSIONS AND WEIGHTS

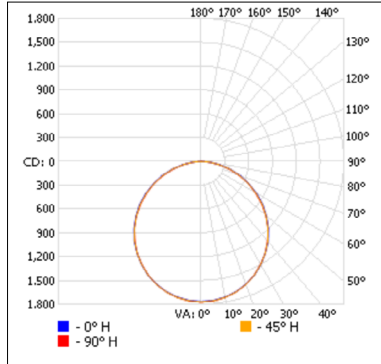


	1'x4'	2'x2'	2'x4'
A in. [cm]	11 7/8 [30.3]	23 3/4 [60.3]	23 3/4 [60.3]
B in. [cm]	47 3/4 [121.3]	23 3/4 [60.3]	47 3/4 [121.3]
C in. [cm]	1 5/8 [4]	1 5/8 [4]	1 5/8 [4]
Net weight (lbs)	4.2	3.9	7.6

PHOTOMETRIC DATA¹

PBLP-1LPS40P-32/3C • 40 W • 4 000 K • 5 177.8 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 375.2	26.6
0-40	2 256.3	43.6
0-60	4 013.0	77.5
60-90	1 163.9	22.5
70-100	514.7	9.9
90-120	0.9	0
0-90	5 176.9	100
90-180	0.9	0
0-180	5 177.8	100

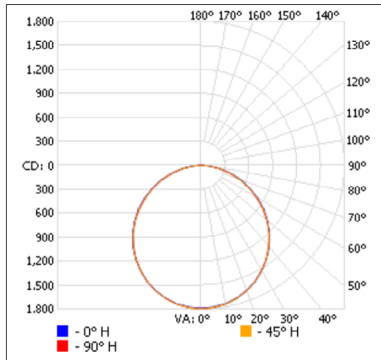
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	441.5	6.2'	6.1'
4.0'	110.4	12.4'	12.2'
6.0'	49.1	18.7'	18.3'
8.0'	27.6	24.9'	24.3'
10.0'	17.7	31.1'	30.4'

■ Vert. Spread: 114.5° ■ Hor. Spread: 113.4°

PBLP-2LPS40P-32/3C • 40 W • 4 000 K • 5 250.2 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 394.4	26.6
0-40	2 287.9	43.6
0-60	4 069.0	77.5
60-90	1 180.2	22.5
70-100	521.9	9.9
90-120	0.9	0
0-90	5 249.3	100
90-180	0.9	0
0-180	5 250.2	100

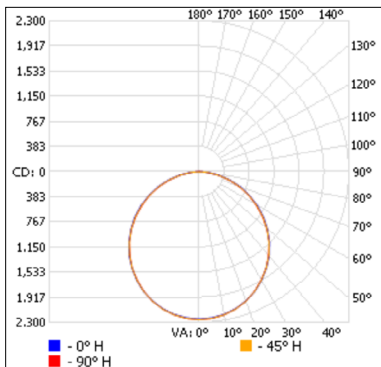
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	447.7	6.2'	6.1'
4.0'	111.9	12.4'	12.2'
6.0'	49.7	18.7'	18.3'
8.0'	28.0	24.9'	24.3'
10.0'	17.9	31.1'	30.4'

■ Vert. Spread: 114.5° ■ Hor. Spread: 113.4°

PBLP-4LPS50P-32/3C • 50 W • 4 000 K • 6 596.4 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 751.9	26.6
0-40	2 874.5	43.6
0-60	5 112.5	77.5
60-90	1 482.8	22.5
70-100	655.7	9.9
90-120	1.1	0
0-90	6 595.3	100
90-180	1.1	0
0-180	6 596.4	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	562.4	6.2'	6.1'
4.0'	140.6	12.4'	12.2'
6.0'	62.5	18.7'	18.3'
8.0'	35.2	24.9'	24.3'
10.0'	22.5	31.1'	30.4'

■ Vert. Spread: 114.5° ■ Hor. Spread: 113.4°

¹ Complete IES files available on our website.