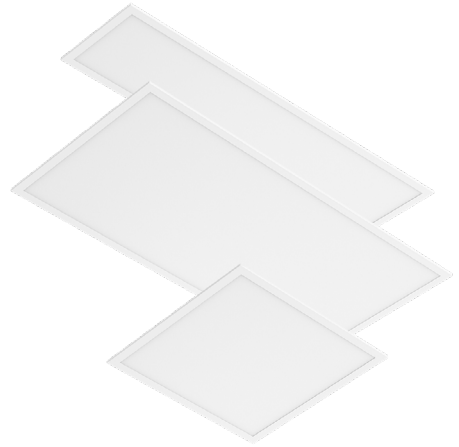


P14BR & PBLP

LED BACKLIT PANEL

3 CCT AND 3 POWER SELECTABLE

P14BR & 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 P14BR & 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 4 000 K single color temperature or 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 and Standard
- 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)	110 - 138
WATTS (W)	20/30/40 30/40/50 40	COLOR TEMPERATURE (K)	3 500/4 000/5 000 4 000
LUMEN OUTPUT (LM)	2 400 - 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.

P14BR & PBLP

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
DLC STANDARD												
1'x4'												
P14BR-1LPS40-32/3C	20/30/40	120-347	3 500/4 000/5 000	2 500/3 600/4 500	110	80+	120 000	10 000	YES	0.90	<25	2 ⁵
2'x2'												
P14BR-2LA1-32/40K	40	120-347	4 000	4 500	113	80+	120 000	10 000	YES	0.90	<25	2
P14BR-2LPS-32/3C	20/30/40	120-347	3 500/4 000/5 000	2 500/3 600/4 500	110	80+	120 000	10 000	YES	0.90	<25	2
DLC PREMIUM												
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	3 500 K		4 000 K		5 000 K	
	[W]	LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]	LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]	LUMEN OUTPUT [LM]	EFFICIENCY [LM/W]
DLC STANDARD							
P14BR-1LPS40-32/3C	20	2 400	120	2 500	125	2 500	125
	30	3 500	117	3 600	120	3 600	120
	40	4 400	110	4 500	113	4 500	113
P14BR-2LPS-32/3C	20	2 400	120	2 500	125	2 500	125
	30	3 500	117	3 600	120	3 600	120
	40	4 400	110	4 500	113	4 500	113
DLC PREMIUM							
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

P14BR-1LPS40-32/3C: 40 W / 4 000 K

P14BR-2LPS-32/3C: 40 W / 4 000 K

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

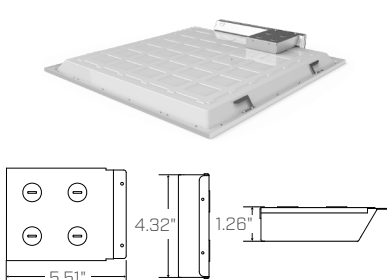
PART NUMBER	DLC PREMIUM UNIQUE ID		DLC STANDARD UNIQUE ID	
	AMBIENT LIGHTING	LOW BAY	AMBIENT LIGHTING	LOW BAY
P14BR-1LPS40-32/3C	-	-	S-PJC3LN	-
P14BR-2LA1-32/40K	-	-	PLNMHEVOAZBE	-
P14BR-2LPS-32/3C	-	-	PLJC5L895FRG	-
PBLP-1LPS40P-32/3C	S-Y81X95	-	-	-
PBLP-2LPS40P-32/3C	S-DF3NLF	-	-	S-18VLLL
PBLP-4LPS50P-32/3C	S-KNQG79	S-68HXRJ	-	-

P14BR & PBLP

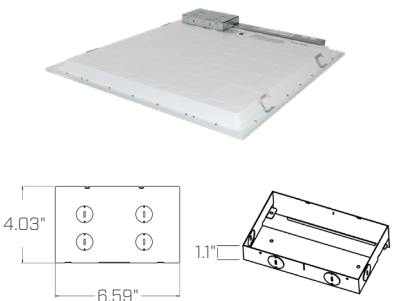
ACCESSORIES (ORDER SEPARATELY)

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'
JB024-BP	Junction Box Gen. 1	P14BR-2LA1-30/40K, P14BR-2LPS-32/3C
JB027-BP	Junction Box Gen. 2	P14BR-1LPS40-32/3C

JUNCTION BOX GEN. 1



JUNCTION BOX GEN. 2



FRAME VIEW



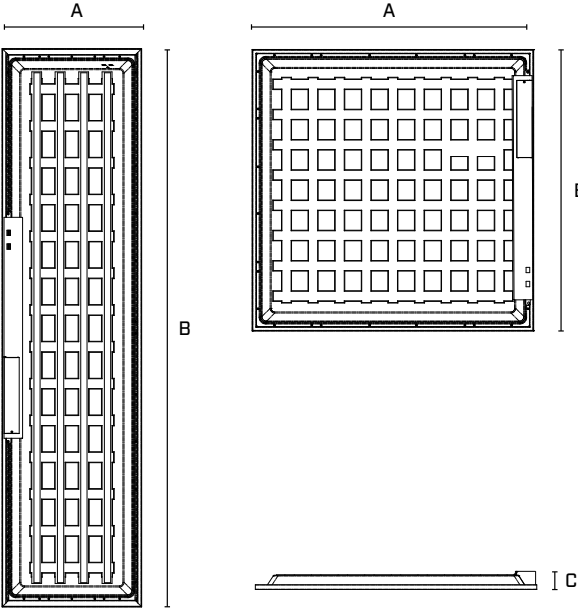
P14BR SERIES



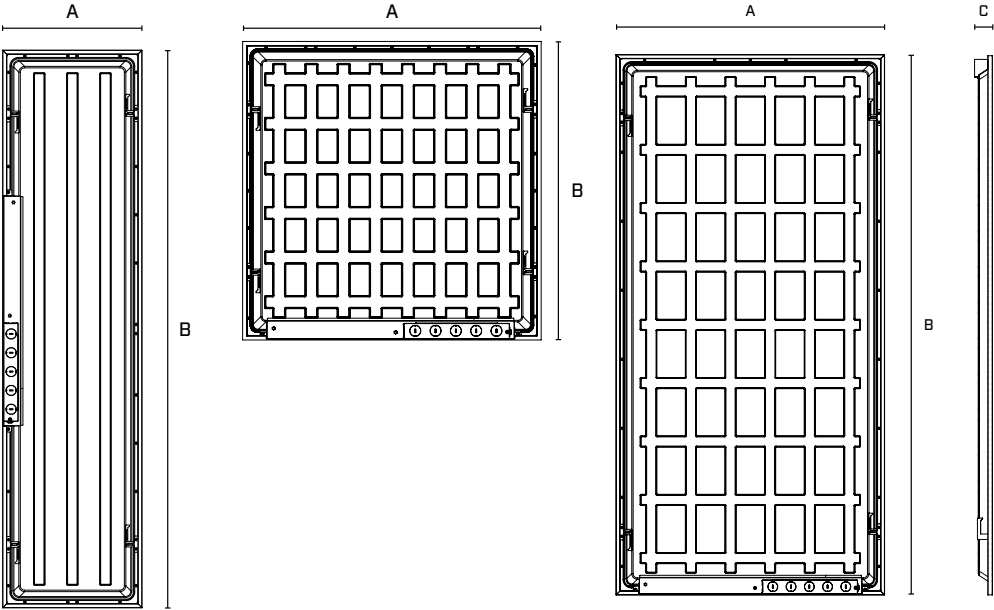
PBLP SERIES

P14BR & PBLP

DIMENSIONS AND WEIGHTS



	1'x4' P14BR-1LPS40-32/3C	2'x2' P14BR-2LA1-32/40K P14BR-2LPS-32/3C
A in. [cm]	11 7/8 [30.3]	23 3/4 [60.3]
B in. [cm]	47 3/4 [121.3]	23 3/4 [60.3]
C in. [cm]	1 5/8 [4]	1 5/8 [4]
Net weight [lbs]	4.6	4.4



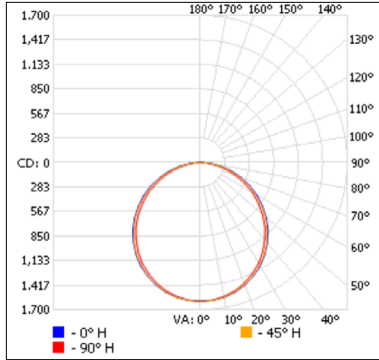
	1'x4' PBLP-1LPS40P-32/3C	2'x2' PBLP-2LPS40P-32/3C	2'x4' PBLP-4LPS50P-32/3C
A in. [cm]	11 7/8 [30.3]	23 3/4 [60.3]	23 3/4 [60.3]
B in. [cm]	47 3/4 [121.3]	23 3/4 [60.3]	47 3/4 [121.3]
C in. [cm]	1 5/8 [4]	1 5/8 [4]	1 5/8 [4]
Net weight [lbs]	4.2	3.9	7.6

P14BR & PBLP

PHOTOMETRIC DATA¹

P14BR-1LPS40-32/3C • 40 W • 4 000 K • 4 724.9 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 249.5	26.4
0-40	2 051.0	43.4
0-60	3 649.2	77.2
60-90	1 074.4	22.7
70-100	480.5	10.2
90-120	1.3	0
0-90	4 723.7	100
90-180	1.3	0
0-180	4 724.9	100

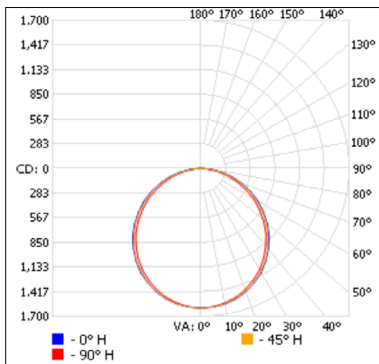
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	400.9	6.4'	5.8'
4.0'	100.2	12.9'	11.7'
6.0'	44.5	19.3'	17.5'
8.0'	25.1	25.7'	23.3'
10.0'	16.0	32.1'	29.2'

■ Vert. Spread: 116.2° ■ Hor. Spread: 111.1°

P14BR-2LA1-32/40K • 4 724.9 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 249.5	26.4
0-40	2 051.0	43.4
0-60	3 649.2	77.2
60-90	1 074.4	22.7
70-100	480.5	10.2
90-120	1.3	0
0-90	4 723.7	100
90-180	1.3	0
0-180	4 724.9	100

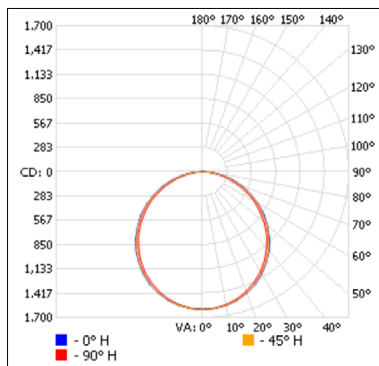
ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	400.9	6.4'	5.8'
4.0'	100.2	12.9'	11.7'
6.0'	44.5	19.3'	17.5'
8.0'	25.1	25.7'	23.3'
10.0'	16.0	32.1'	29.2'

■ Vert. Spread: 116.2° ■ Hor. Spread: 111.1°

P14BR-2LPS-32/3C • 40 W • 4 000 K • 4 707.3 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 250.1	26.6
0-40	2 050.5	43.6
0-60	3 643.7	77.4
60-90	1 062.7	22.6
70-100	472.3	10
90-120	1.0	0
0-90	4 706.4	100
90-180	1.0	0
0-180	4 707.3	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
2.0'	500.1	6.1'	6.1'
4.0'	125.0	12.2'	12.2'
6.0'	55.6	18.3'	18.3'
8.0'	31.3	24.3'	24.4'
10.0'	20.0	30.4'	30.5'

■ Vert. Spread: 113.4° ■ Hor. Spread: 113.5°

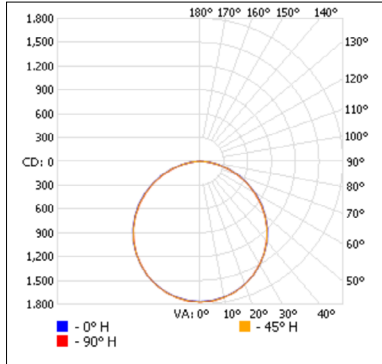
¹ Complete IES files available on our website.

P14BR & PBLP

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

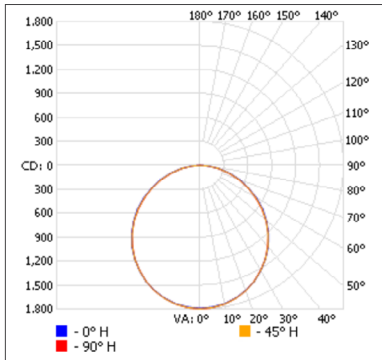
ILLUMINANCE AT A DISTANCE

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

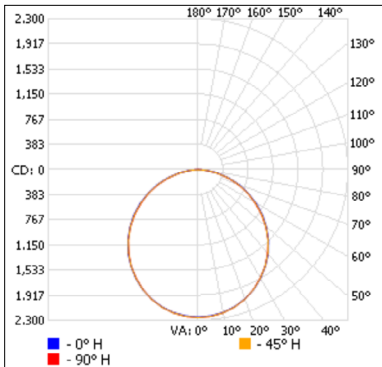
ILLUMINANCE AT A DISTANCE

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.