



Project: _____
 Location: _____
 Cat. #: _____
 Type: _____
 Quantity: _____

LED

PBLU 4 LED Lensed High Bay

Features:

- High performance LED technology
- 0-10V dimming drivers standard
- Field replaceable LED boards and drivers
- Multiple sheilding options available to help minimize glare and improve aesthetics
- A wide variety of lumen packages allows for flexibility in design and helps maximize energy savings

Applications:

Suitable for most commercial, industrial and institutional applications

- Retail
- Warehouse
- Manufacturing
- Gymnasiums

Ambient Operating Temp:

- -30°C to 40°C

Predicted L70 Lifetime:

- Up to 189,000 hrs (calculated)
(L70 information for specific configurations available upon request)
- For BAA compliant configurations - up to 189,000 hrs (calculated)

Construction:

- Housing and LED tray is precision brake formed from aluminum
- Pre-painted with a highly durable, highly reflective white finish

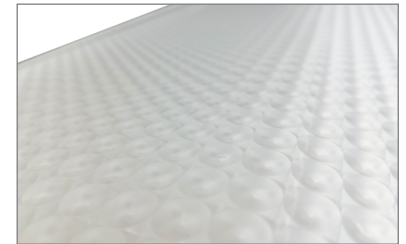
Certifications:

- UL 1598 listed for US and Canada, suitable for damp locations
- DesignLights Consortium qualified on specific configurations (refer to DLC qualified products list for exact model numbers)
<http://designlights.org/>

Warranty:

- 5 year limited system warranty - see www.LumenFocus.com for complete warranty terms and conditions
- 10 year warranty option available on specific models
(Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)

10 YEAR
EXTENDED
WARRANTY
AVAILABLE ON CERTAIN MODELS



Powered by:



EVERLINE
 LED Technology

PBLU 4 LED Lensed High Bay



Ordering Guide:

example: PBL U 4 HI UV 850-QC20 C6 OSD

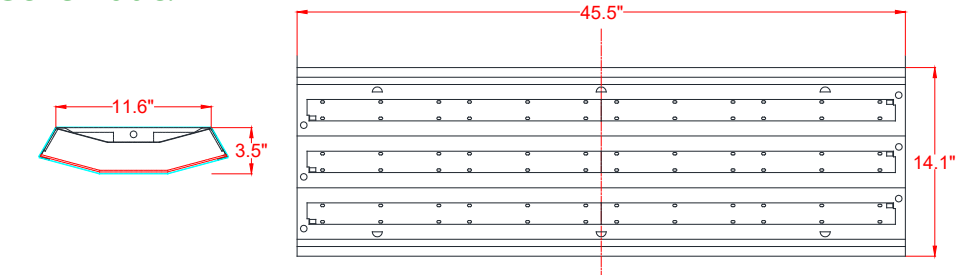
Series	Distribution	Length	Output	Voltage	Shielding	CRI/CCT	-	Hanging	Options
PBL	U	4					-		
PBL	U	4	VL LW MD HI	UV 34 48	A23 A23F L118	835 840 850		Blank QC QC20	Blank EXT10 C6 C10 D6 D10 P(NEMA) OS OSD OS(FSP-221B-Lx) OS(FSP-321B-Lx) OSP PC WG WG(OS) SC F EM2 SDT(480V) CC LVL BAA

Distribution:	U	General with Up-Light	Options:	Blank EXT10	None 10 yr extended warranty (Not available on all models. Certain conditions apply. Consult factory or sales representative for details.)
Length:	4	4'			
Lumen Output:	VL LW MD HI	Very Low Low Medium High		C6 C10 D6 D10 P(NEMA) OS OSD OS(FSP-221B-Lx) OS(FSP-321B-Lx)	6' Single Circuit Cord 10' Single Circuit Cord 6' Dual Circuit Cord 10' Dual Circuit Cord Plug (Specify NEMA configuration) Occupancy Sensor (on/off) Occupancy Sensor (on/off/dim) Wattstopper Programmable Photo/Motion Multi-voltage Sensor (high/low/off) ("x" = lens type. See Page 4 for lens type descriptions) Wattstopper Bluetooth-Enabled Programmable Photo/Motion Multi-voltage Sensor (high/low/off) ("x" = lens type. See Page 4 for lens type descriptions) Occupancy Sensor with Photocell Photocell Wire Guard Wire Guard for Occupancy Sensor Safety Cable Fuse Emergency Pack - up to 16W (120-277V / 0°C-50°C ambient) 480V to 277V Step Down Transformer Conformal Coating 0-10V dimming leads for easy field access Buy American Act compliant
Voltage:	UV 34 48	120-277V 347V 480V (not available on VL or LW models)			
Shielding:	A23 A23F L118	High Efficiency 23 Pattern Acrylic High Efficiency 23 Pattern Acrylic, Frosted 0.118" Impact Resistant Lexan			
CRI/CCT:	835 840 850	80 CRI / 3500K 80 CRI / 4000K 80 CRI / 5000K			
Hanging:	Blank QC QC20	None 10' Quick Hang Cable Kit 20' Quick Hang Cable Kit			

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Schematic:



Performance Chart:

Catalog #	Lumens	Watts	LPW	Catalog #	Lumens	Watts	LPW	Catalog #	Lumens	Watts	LPW
PBL U 4 VL UV A23F 835	11693	91	128.9	PBL U 4 VL UV A23F 840	12080	91	133.2	PBL U 4 VL UV A23F 850	12442	91	137.2
PBL U 4 LW UV A23F 835	15132	123	122.9	PBL U 4 LW UV A23F 840	15633	123	127.0	PBL U 4 LW UV A23F 850	16101	123	130.8
PBL U 4 MD UV A23F 835	19755	160	123.5	PBL U 4 MD UV A23F 840	20408	160	127.5	PBL U 4 MD UV A23F 850	21020	160	131.4
PBL U 4 HI UV A23F 835	21738	174	124.9	PBL U 4 HI UV A23F 840	22456	174	129.1	PBL U 4 HI UV A23F 850	23130	174	132.9

Lumen Adjustment Factors:
WG: 0.95

Photometric Data:

PBL U 4 LW UV A23F 840

Test No.: LLIA000842-003

Luminaire Lumens: 15,132 lm

Luminaire Watts: 123.1W

Efficacy: 122.9 LPW

Spacing Criterion (0-180): 1.22

Spacing Criterion (90-270): 1.22

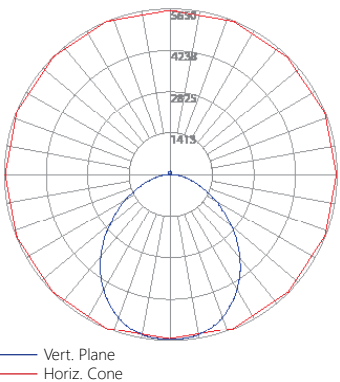
Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12142	10757	10448
55	10265	8731	8401
65	8251	6711	6604
75	6086	4883	5236
85	3264	3353	4571

Coefficients Of Utilization - Zonal Cavity Method Effective Floor Cavity Reflectance 0.20

RC			80				70				50			30	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	
0	118	118	118	118	114	114	114		108	108	108	102	102	102	
1	108	103	99	95	104	100	96	93	95	92	89	90	87	85	
2	98	90	84	78	95	88	82	77	83	78	74	79	75	71	
3	90	80	72	65	87	78	70	64	74	68	63	70	65	61	
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	
5	76	64	55	48	74	62	54	48	59	52	47	57	51	46	
6	70	57	49	42	68	56	48	42	54	47	41	52	45	40	
7	65	52	44	38	63	51	43	37	49	42	37	47	41	36	
8	61	48	39	34	59	47	39	33	45	38	33	43	37	32	
9	57	44	36	30	55	43	35	30	41	35	30	40	34	29	
10	53	40	33	28	52	40	32	27	38	32	27	37	31	27	

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08



Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	2046.0	13.5
0-30	4300.4	28.4
0-40	6921.0	45.7
0-60	11542.7	76.3
0-80	13878.6	91.7
0-90	14280.4	94.4
90-120	456.5	3.0
90-130	568.3	3.8
90-150	742.9	4.9
90-180	851.6	5.6
0-180	15132.0	100.0

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LUMENFOCUS

Controls available:



Dimming Sensors OS(FSP-221B/321B)

- The Wattstopper FSP sensor provides multi-level control based on motion and/or daylight contribution
- Comes pre-installed on the end cap
- Rated for cold locations
- Parameters for Bluetooth-enabled FSP-321B adjustable via phone app - iOS or Android
- Parameters for FSP-221B adjustable via wireless configuration tool (FSIR-100 - sold separately)
- Three lenses available, tailored for the ideal detection area and mounting height:
 - **FSP-L2:** 360° lens, maximum coverage 48', diameter from 8' height
 - **FSP-L3:** 360° lens, maximum coverage 40', diameter from 20' height
 - **FSP-L7:** 360° lens, maximum coverage 100', diameter from 40' height



Phone app interface for FSP-321B



On/Off Occupancy Sensors (OS)

An optional occupancy sensor controls individual fixtures on or off based on occupancy in detection zone. Sensor used: Leviton OSFHU-ITW (pictured), or an equivalent.

Occupancy Sensors with Photocell (OSP)

The OSP turns luminaire on or off based on occupancy or available natural light to help maximize energy savings. OSP used: Leviton OSFHP (pictured) or an equivalent.



Need another option?

If you need a different control system - such as Nedap, Daintree, or another IoT-based system - just contact us. We can incorporate it.

enlighted
A Siemens Company

Advanced Controls Available

We offer robust network control options and IoT compatibility with products from Enlighted and Douglas Lighting Controls, Inc.. Contact the factory for more info.

DOUGLAS
LIGHTING CONTROLS

Other Options:



Cords are available in single circuit or dual circuit, 6' or 10'. Standard plug is optional, as are other NEMA configurations if specified.



Shielding Available in a high efficiency 23 pattern acrylic lens (frosted or clear), and an impact resistant clear lexan lens



Conformal coating Grants LED boards added protection from moisture and corrosion in more hazardous environments.



Hanging The QC hanging kit from ALP comes in 10' or 20'. Cables are pre-looped for easy installation and designed for easy fixture height adjustment. QCs come boxed with each fixture.