

PHB SERIES

THE PERFORMANCE HIGH BAY



HUBBELL
Lighting

CAT. #		APPROVALS
JOB	TYPE	
SPECIFICATIONS Applications - The Performance High Bay is the new standard for industrial lighting. A well sealed die cast housing coupled with a choice of four optics results in a durable, rugged high bay for those tough industrial applications. Construction - - Three piece low copper alloy die cast aluminum housing - Easy one person installation on threaded conduit (¾" or 1") 60,000 hour LEDs at L80 for reduced maintenance - Projected LED life at L70 is up to 233,000 hours - Lifetime hours based on TM21-11 calculations - Ambient temperature range is from -40°C to 65°C - Weight: 30 lbs. Performance - - Up to 28,000 lumens 141 LPW (lumens/watt) Shielding (Five Lens Options) - - High transmissive flat acrylic - Translucent sag polycarbonate - Prismatic drop acrylic lens - Conical drop acrylic lens - Flat clear glass lens Electrical - - Total input wattage of 216W, 156W or 103W - Replacement for 400W PSMH / 250W PSMH or 175W PSMH - Standard unit is continuously dimmable (0-10V control) - Mid power LEDs for high LPW and low glare - Universal voltage of 120VAC - 277VAC/50/60 Hz 347 VAC / 480 VAC 50/60 Hz (Not available on ML - 16,000 Lumen versions) Certification - - Built to UL 1598 standard and certified by CSA		  - Wet Location Listed - IP66 Rated - DLC® (DesignLights Consortium) Qualified, with some Premium Qualified configurations - see www.designlights.org Warranty - - Five years warranty (Terms and Conditions apply)     

ORDERING INFORMATION

ORDERING EXAMPLE: PHB-5K-LV-P95-U-A-2-WH-SP

PHB	-		-		-		-		-		-		-		-	
Series		CCT		Lumen Levels		Optic		Voltage		Mounting		Hub		Color		Options
SERIES																
PHB	The Performance High Bay															
CCT																
3K	3000K, 80 CRI															
4K	4000K, 80 CRI															
5K	5000K, 80 CRI															
LUMEN LEVELS																
LV	14,000 lumens															
ML	20,000 lumens															
MM	28,000 lumens															
OPTIC																
CDL	Prismatic Conical Drop Acrylic															
DLR	Prismatic Drop Acrylic															
VOLTAGE																
SPC	Sag Polycarbonate															
P95	Acrylic P95															
FGL	Flat Glass Lens															
VOLTAGE																
U	Universal															
1	120															
2	208															
3	240															
4	277															
F	347 ¹															
5	480 ¹															
¹ Not available with ML lumen package																
MOUNTING																
A	Pendant															
B Wall Bracket																
C Cone																
D Stanchion 25°																
N None																
HUB																
2 ¾" (Mounts A, B and C)																
3 1" (Mounts A, B and C)																
4 1¼" (Mount D only)																
5 1½" (Mount D only)																
COLOR																
WH White																
GR Gray																
TN Tan																
OPTIONS																
C(y)HLP(x) Cord & 20 Amp Plug																
15A Plug 15 Amp Plug Option																
F(x) Fusing																
SP 10kV Surge Protector (3kV standard)																
OCS-360 Occupancy PIR Sensor with 360 lens																
OCS-A Occupancy PIR Sensor with Aisle lens																
OCM Occupancy Microwave Sensor																
Notes: Replace (X) with the voltage, 1=120V, 2=208V, 3=240V, 4=277V, F=347V and 5=480V																
Replace (y) with the length. 4=4ft., 6=6ft., 8=8ft., 10=10ft., 12=12ft.																

LENS OPTIONS

	LPW	SC	MATERIAL	SHAPE	FEATURE
P95	141	1.22	Clear Acrylic	Flat with a slight haze	Highest LPW
CDL	134	1.11	Clear Acrylic	Conical Ribs	Low Profile
DLR	133	1.28	Clear Acrylic	Dropped Refractor	Good Glare control, widest distribution
SPC	131	1.22	Milk White Acrylic	Smooth Sag Lens	Best glare control

CCT	LUMENS	LENS	CATALOG STRING	LUMEN OUTPUT	WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP. RATING	SPACING RATIO	120V	208V	240V	277V	347V	480V	
3K	LV	CDL	PHB-3K-LV-CDL-U-XX-XX	12785	103	124	65°C	1.1	0.87	0.5	0.43	0.38	0.3	0.22	
		DLR	PHB-3K-LV-DLR-U-XX-XX	12713		123		1.3							
		SPC	PHB-3K-LV-SPC-U-XX-XX	12538		122		1.2							
		FGL	PHB-3K-LV-FGL-U-XX-XX	14166		137		1.2							
		P95	PHB-3K-LV-P95-U-XX-XX	13518		131		1.2							
		ML	CDL	PHB-3K-ML-CDL-U-XX-XX		18695		156							126
	DLR		PHB-3K-ML-DLR-U-XX-XX	17811	120	1.3									
	SPC		PHB-3K-ML-SPC-U-XX-XX	18179	122	1.2									
	FGL		PHB-3K-ML-FGL-U-XX-XX	20478	130	1.2									
	P95		PHB-3K-ML-P95-U-XX-XX	19604	132	1.2									
	MM		CDL	PHB-3K-MM-CDL-U-XX-XX	24492	216	113		60°C	1.1	1.85	1.05	0.91	0.79	0.63
		DLR	PHB-3K-MM-DLR-U-XX-XX	24129	112		1.3								
		SPC	PHB-3K-MM-SPC-U-XX-XX	23855	110		1.2								
		FGL	PHB-3K-MM-FGL-U-XX-XX	26609	122		1.2								
		P95	PHB-3K-MM-P95-U-XX-XX	25736	119		1.2								
		4K	LV	CDL	PHB-4K-LV-CDL-U-XX-XX		13416	103		130					
	DLR			PHB-4K-LV-DLR-U-XX-XX	13340	130	1.3								
	SPC			PHB-4K-LV-SPC-U-XX-XX	13156	128	1.2								
FGL	PHB-4K-LV-FGL-U-XX-XX			14865	143	1.2									
P95	PHB-4K-LV-P95-U-XX-XX			14185	138	1.2									
ML	CDL			PHB-4K-ML-CDL-U-XX-XX	19617	156	126		65°C	1.1	1.33	0.76	0.66	0.51	-
	DLR		PHB-4K-ML-DLR-U-XX-XX	18689	120		1.3								
	SPC		PHB-4K-ML-SPC-U-XX-XX	19076	122		1.2								
	FGL		PHB-4K-ML-FGL-U-XX-XX	21488	137		1.2								
	P95		PHB-4K-ML-P95-U-XX-XX	20571	132		1.2								
	MM		CDL	PHB-4K-MM-CDL-U-XX-XX	25700		216	119		60°C					
DLR			PHB-4K-MM-DLR-U-XX-XX	25319	117	1.3									
SPC			PHB-4K-MM-SPC-U-XX-XX	25031	116	1.2									
FGL			PHB-4K-MM-FGL-U-XX-XX	27648	128	1.2									
P95			PHB-4K-MM-P95-U-XX-XX	27005	125	1.2									
5K			LV	CDL	PHB-5K-LV-CDL-U-XX-XX	13778		103	134		65°C	1.1	0.87	0.5	0.43
	DLR			PHB-5K-LV-DLR-U-XX-XX	13700	133	1.3								
	SPC			PHB-5K-LV-SPC-U-XX-XX	13511	131	1.2								
	FGL	PHB-5K-LV-FGL-U-XX-XX		15266	147	1.2									
	P95	PHB-5K-LV-P95-U-XX-XX		14568	141	1.2									
	ML	CDL		PHB-5K-ML-CDL-U-XX-XX	20147	156	126		65°C	1.1		1.33			
		DLR	PHB-5K-ML-DLR-U-XX-XX	19194	120		1.3								
		SPC	PHB-5K-ML-SPC-U-XX-XX	19591	122		1.2								
		FGL	PHB-5K-ML-FGL-U-XX-XX	22068	137		1.2								
		P95	PHB-5K-ML-P95-U-XX-XX	21126	132		1.2								
		MM	CDL	PHB-5K-MM-CDL-U-XX-XX	26394		216	122		60°C	1.1		1.85	1.05	0.91
	DLR		PHB-5K-MM-DLR-U-XX-XX	26003	120	1.3									
	SPC		PHB-5K-MM-SPC-U-XX-XX	25707	119	1.2									
	FGL		PHB-5K-MM-FGL-U-XX-XX	27921	128	1.2									
	P95		PHB-5K-MM-P95-U-XX-XX	27734	128	1.2									

PHOTOMETRIC DATA: IES_PHB_4K_MM_P95 | 17.00393

LUMINAIRE DATA

PHB-4K-MM-P95

Luminaire - The Performance High Bay with P95
Acrylic Flat Lens

DRIVER LEDINTA0024V41DLO

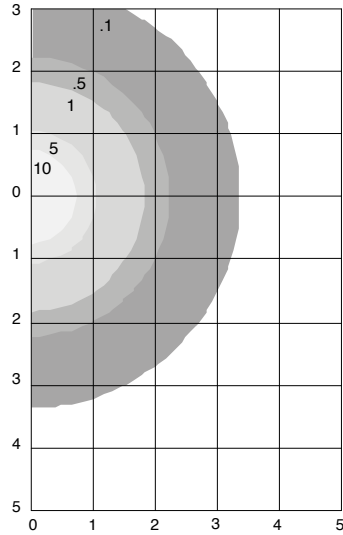
Driver Factor	1.00
Lamp	LED
Lumens	27,005
Watts	215.8
Efficacy	125.1
Mounting	Pendant
Spacing Criterion (0-180)	1.23

LUMINOUS OPENING IN FEET

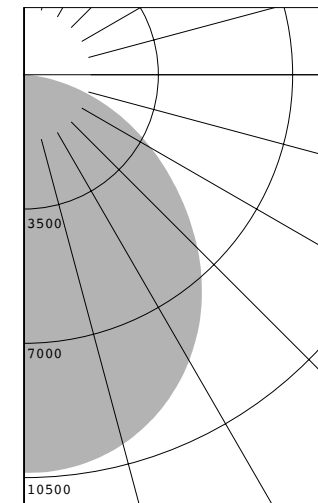
Length	1.50 ft. (Diameter)
Width	1.25 ft. (Diameter)

ZONE	LUMENS	% FIXT.
0-30	8,011	29.7
0-40	12,978	48.1
0-60	22,073	81.7
0-90	27,004	100.0b
0-180	27,005	100.0

ISOMETRIC FOOT CANDLES



POLAR GRAPH



PHOTOMETRIC DATA: IES_PHB_4K_LV_P95 | 17.00411

LUMINAIRE DATA

PHB-4K-LV-P95

Luminaire - The Performance High Bay with
SPC sag polycarbonate lens

DRIVER LEDINTA0024V41DLO

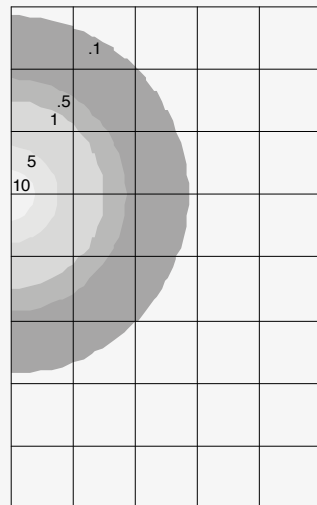
Driver Factor	1.00
Lamp	LED
Lumens	14,185
Watts	103.0
Efficacy	137.7
Mounting	Pendant
Spacing Criterion (0-180)	1.23

LUMINOUS OPENING IN FEET

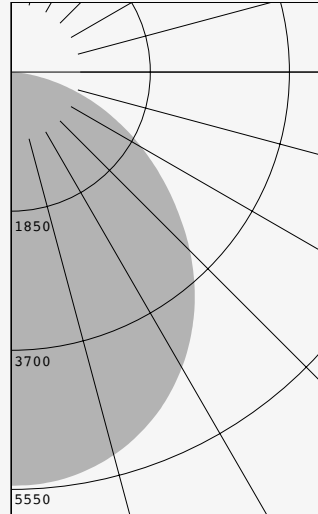
Length	1.50 ft. (Diameter)
Width	1.25 ft. (Diameter)

ZONE	LUMENS	% FIXT.
0-30	4,235	29.9
0-40	6,853	48.3
0-60	11,630	82.0
0-90	14,185	100.0
0-180	14,185	100.0

ISOMETRIC FOOT CANDLES



POLAR GRAPH



DIMENSIONS

