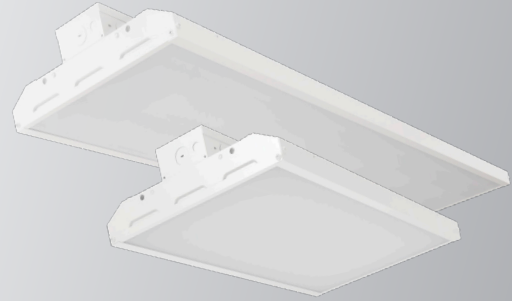


Catalog Number:	Project Name:	Note:	Date:	Type:
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**DESCRIPTION**

Portor's LED Linear High Bay provides high performance efficient and quality light output. Perfect for high ceiling commercial application. Portor can also provide in-house installation solution for accessories such as for Motion Sensor or Emergency Battery Back-up. Saving additional labor cost and installation lead time.

Ideal use for commercial application such as large warehouse, parking/storage garage, gymnasium and retail stores with high ceiling.



**CONSTRUCTION**

Sleek slim design high bay with durable and solid form factor frame. Made out of quality aluminum alloy body with white finish.

**ELECTRICAL**

Luminaire is built with high efficacy LED package 120V-277V universal drivers (custom order available for 347-480V driver).

**OPTICAL SYSTEM**

High performance light output perfect for high ceiling. Optic lens designed to reduce glare and improve light distribution through precision lens optics.

**ENERGY SAVINGS**

Over 50% energy savings compare to fluorescent fixtures. Low heat production from LED technology will require overall less maintenance and operating cost.

**DIMMING**

Equipped with 1-10V continuous dimming.

**MOUNTING**

Comes standard with V-Hooks and chains, Option available for Pendant Mount.

**CONTROLS**

Option available for dimmers, occupancy sensors and daylight harvesting to maximize energy savings.

**LISTING**

UL Listed, RoHS, DLC Premium Listed

**WARRANTY**

5 Years Limited Warranty, Rated for 50,000 hours  
(See Warranty documentation for details).

	WATTAGE	DELIVERED LUMENS	EFFICACY
2'	105W	13,906	138 lm/W
	155W	20,618	138 lm/W
	210W	28,236	137 lm/W
4'	170W	23,255	139 lm/W
	300W	40,470	140 lm/W

Based on 5000K, 82 CRI. Actual lumens may vary.

**TECHNICAL SPECIFICATION**

CCT	4000K*, 5000K
CRI	82
DIMMABLE	0-10V dimming
BEAM ANGLE	120°
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	0.9673 (300W @ 5000K)
THD	10.62% (300W @ 5000K)
WORKING TEMPERATURE	-4°F ~ 104°F
STORAGE TEMPERATURE	-22°F ~ 140°F
IP RATING	IP40, Suitable for damp locations
WARRANTY	5 year limited

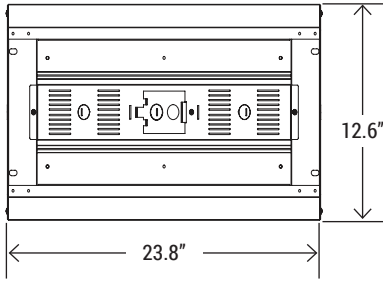


ORDERING SAMPLE:  -  -  -  -  -  -

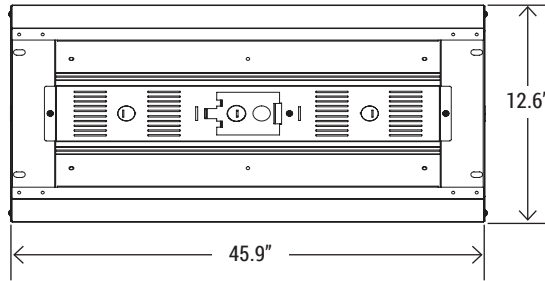
Series	Wattage	CCT	Accessories/Options			
PT-HBL4 LED Linear High Bay Series	105W	40K* (4000K)	EM Battery	Sensor	Wireguard	Mounting
	155W	50K (5000K)	EM1-15W	PT-MHS-PR	WG-HBL4-2FT	Blank (Standard V-hook)
	170W		EM1-30W	MSH-RC2	WG-HBL4-4FT	PM-HBL4
	210W					
	300W					
		* special order required				

Catalog Number:	Project Name:	Note:	Date:	Type:
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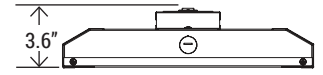
**DIMENSION**



**2'** 105W / 155W

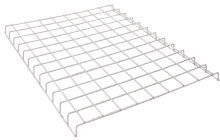


**4'** 170W / 210W / 300W

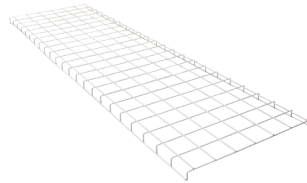


SIDE PROFILE

**WIRE GUARD OPTION**



WG-HBL4-2FT  
Wire guard for 105W / 155W



WG-HBL4-4FT  
Wire guard for 170W / 240W / 300W

**MOUNTING OPTION**



PM-HBL4  
Pendant Mount

**SENSOR OPTION**



PT-MSH-PR  
Motion Sensor



MSH-RC2  
Intelligent Control Unit

**EM BATTERY OPTION**



EM1-15W / EM1-30W  
LED Emergency Driver



DLC LISTING

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-HBL4-105W-50K	105W	13,906	138 lm/W	PLJWF0BII0IE	PREMIUM
PT-HBL4-155W-50K	155W	20,618	138 lm/W	PL5P5C1VE5VX	PREMIUM
PT-HBL4-170W-50K	170W	23,255	139 lm/W	PLHK65SRNPMC	PREMIUM
PT-HBL4-210W-50K	210W	28,236	137 lm/W	PLT1B2YJRFMI	PREMIUM
PT-HBL4-300W-50K	300W	40,470	140 lm/W	PL200R52MMA1	PREMIUM

Based on 5000K, 82 CRI. Actual lumens may vary.

**PT-HBL4-105W**

Wattage: **105W**

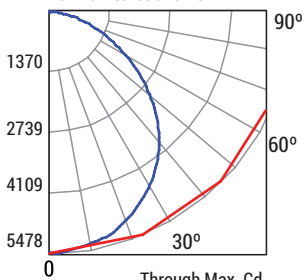
Delivered lumens: **14176**

Efficacy: **136 lm/W**

CCT: **5000K**

CRI: **80**

Maximum Candela : 5478.1



— Vertical Plane Through Horizontal Angles (90 - 270)  
— Horizontal Cone Through Vertical Angle (1)

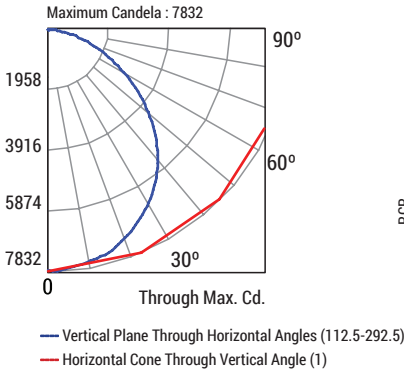
pfc	Coefficients of Utilization										
	80%					20%					
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	92
2	100	92	85	80	97	90	84	79	86	81	77
3	91	81	73	67	89	80	72	66	77	70	65
4	84	72	64	57	81	71	63	57	68	61	56
5	77	65	56	49	75	64	55	49	61	54	49
6	71	58	50	43	69	57	49	43	56	48	43
7	66	53	44	38	64	52	44	38	51	43	38
8	62	48	40	34	60	48	40	34	46	39	34
9	58	44	36	31	56	44	36	31	43	36	31
10	54	41	33	28	53	41	33	28	40	33	28

CP Summary	0°		90°	
	0°	90°	0°	90°
0°	5457.6	5457.6	1983.52	14.00
5°	5426.7	5421.0	0° - 20°	14.00
15°	5221.5	5225.2	0° - 30°	29.60
25°	4815.9	4795.3	0° - 40°	48.10
35°	4242.1	4204.2	0° - 60°	82.20
45°	3436.1	3411.2	0° - 80°	98.40
55°	2490.5	2454.1	0° - 90°	99.60
65°	1552.7	1497.6		
75°	745.6	702.4		
85°	162.7	132.3		
90°	12.9	16.1		

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	1983.52	14.00
0° - 30°	4190.27	29.60
0° - 40°	6817.56	48.10
0° - 60°	11656.22	82.20
0° - 80°	13941.92	98.40
0° - 90°	14118.82	99.60

Catalog Number:	Project Name:	Note:	Date:	Type:
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**PT-HBL4-155W**      *Wattage: 155W*      *Delivered lumens: 20443*      *Efficacy: 137 lm/W*      *CCT: 5000K*      *CRI: 80*

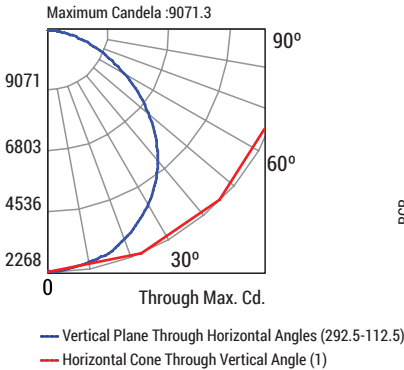


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
4	84	72	64	57	82	71	63	57	68	62	56
5	77	65	56	50	75	64	55	49	61	54	49
6	71	58	50	43	69	57	49	43	56	48	43
7	66	53	44	38	65	52	44	38	51	43	38
8	62	48	40	34	60	48	40	34	46	39	34
9	58	44	36	31	56	44	36	31	43	36	31
10	54	41	33	28	53	41	33	28	40	33	28

CP Summary		
	0°	90°
0°	7810.3	7810.3
5°	7768.9	7753.2
15°	7490.2	7485.3
25°	6918.0	6914.7
35°	6138.4	6101.0
45°	4979.2	4956.4
55°	3583.7	3525.2
65°	2195.6	2088.0
75°	1038.5	964.1
85°	224.0	184.3
90°	16.4	12.8

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	2845.31	13.90
0° - 30°	6029.64	29.50
0° - 40°	9847.17	48.20
0° - 60°	16883.48	82.60
0° - 80°	20112.90	98.40
0° - 90°	20360.50	99.60

**PT-HBL4-170W**      *Wattage: 170W*      *Delivered lumens: 23302*      *Efficacy: 139 lm/W*      *CCT: 5000K*      *CRI: 80*

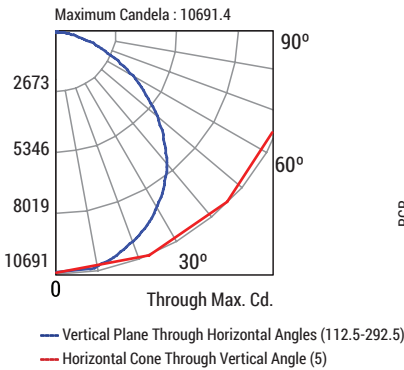


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
4	84	72	64	57	82	71	63	57	68	62	56
5	77	65	56	50	75	64	55	49	61	54	49
6	71	58	50	43	69	57	49	43	56	48	43
7	66	53	44	38	65	52	44	38	51	43	38
8	62	48	40	34	60	48	40	34	46	39	34
9	58	44	36	31	56	44	36	31	43	36	31
10	54	41	33	28	53	41	33	28	40	33	28

CP Summary		
	0°	90°
0°	8962.5	8962.5
5°	8904.9	9024.9
15°	8593.8	8652.0
25°	7925.8	7908.7
35°	6958.6	6878.7
45°	5654.6	5467.2
55°	4135.3	3934.8
65°	2597.2	2390.4
75°	1256.0	1111.4
85°	257.0	191.4
90°	15.5	7.4

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	3283.5	14.10
0° - 30°	6934.18	29.80
0° - 40°	11264.4	48.30
0° - 60°	19180.00	82.30
0° - 80°	22938.49	98.40
0° - 90°	23223.4	99.70

**PT-HBL4-215W**      *Wattage: 210W*      *Delivered lumens: 27924*      *Efficacy: 136 lm/W*      *CCT: 5000K*      *CRI: 80*

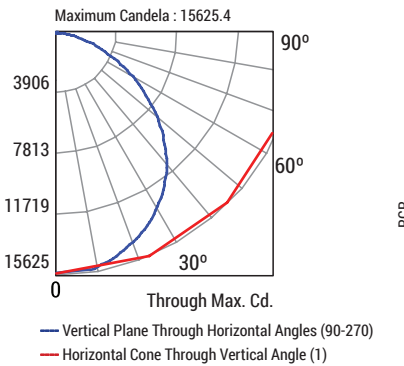


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	85	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	66	77	70	65
4	84	72	64	57	82	71	63	57	68	61	56
5	77	65	56	49	75	63	55	49	61	54	49
6	71	58	50	43	69	57	49	43	55	48	43
7	66	53	44	38	65	52	44	38	51	43	38
8	62	48	40	34	60	48	40	34	46	39	34
9	58	44	36	31	56	44	36	31	43	36	31
10	54	41	33	28	53	40	33	28	39	33	28

CP Summary		
	0°	90°
0°	10546.280	10546.280
5°	10483.700	10640.400
15°	10177.100	10241.600
25°	9466.600	9448.500
35°	8390.500	8322.500
45°	6902.300	6736.400
55°	5097.900	4909.700
65°	3169.100	3021.300
75°	1534.800	1420.700
85°	353.400	283.300
90°	31.900	25.100

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	3873.96	13.90
0° - 30°	8206.24	29.40
0° - 40°	13384.94	47.90
0° - 60°	22960.76	82.20
0° - 80°	27472.52	98.40
0° - 90°	27829.60	99.70

**PT-HBL4-300W**      *Wattage: 300W*      *Delivered lumens: 40310*      *Efficacy: 135 lm/W*      *CCT: 5000K*      *CRI: 80*



RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	95	98	95	92
2	100	92	85	80	97	90	84	79	86	81	77
3	91	81	73	67	89	80	72	66	76	70	65
4	84	72	63	57	82	71	63	57	68	61	56
5	77	65	56	49	75	63	55	49	61	54	48
6	71	58	49	43	69	57	49	43	55	48	43
7	66	53	44	38	65	52	44	38	50	43	38
8	62	48	40	34	60	48	40	34	46	39	34
9	58	44	36	31	56	44	36	31	43	35	31
10	54	41	33	28	53	40	33	28	39	33	28

CP Summary		
	0°	90°
0°	15478.8	15478.8
5°	15310.2	15443.6
15°	14776.2	14803.9
25°	13636.2	13570.9
35°	12043.7	11827.9
45°	9717.7	9584.2
55°	7111.7	6932.0
65°	4509.6	4302.6
75°	2195.8	2075.9
85°	470.2	410.6
90°	35.9	43.1

Zonal Lumen Summary		
	Lumens	%Fixture
0° - 20°	5619.51	13.90
0° - 30°	11867.25	29.40
0° - 40°	19289.54	47.90
0° - 60°	33001.68	81.90
0° - 80°	39638.53	98.30
0° - 90°	40167.22	99.60