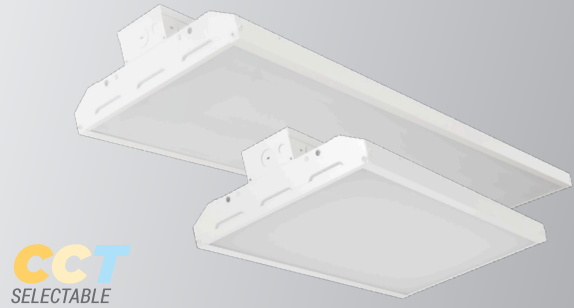


Catalog Number:	Project Name:	Note:	Date:	Type:
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Portor's Next Generation LED Linear High Bay provides high performance efficient and quality light output. Perfect for high ceiling commercial application. Portor can also provide in-house installation 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 and industrial 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.

**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.

**MOUNTING**

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

**CONTROLS**

Option available for dimmers, occupancy sensors and daylight harvesting (consult factory) to maximize energy savings.

**LISTING**

UL Listed , DLC Premium Listed

**WARRANTY**

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

	WATTAGE	DELIVERED LUMENS	EFFICACY
2'	105W	14,175	141 lm/W
	155W	20,925	139 lm/W
	170W	22,950	137 lm/W
4'	210W	28,350	139 lm/W
	300W	40,500	133 lm/W

Based on 4000K, 82 CRI. Actual lumens may vary.

**TECHNICAL SPECIFICATION**

CCT	4000K/5000K
CRI	82
DIMMABLE	0-10V Continuous Dimming (10%-100%)
VOLTAGE	120V-277V
POWER FREQUENCY	50/60 Hz
POWER FACTOR	0.9
THD	10%
WORKING TEMPERATURE	-4°F ~ 104°F
STORAGE TEMPERATURE	-22°F ~ 140°F
IP RATING	Suitable for damp locations
WARRANTY	5 year limited



ORDERING SAMPLE:  -  -  -  -  -  -  -

Series	Wattage	CCT
PT-LHB LED Linear High Bay Series	105W 155W 170W 210W 300W	2CCT (4000K/5000K)

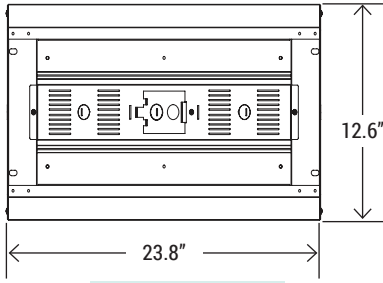
Options /Accessories (Sold separate)				
EM Battery	Transformer	Sensor	Wireguard	Mounting
PT-EM1-15W* PT-EM1-30W**	PT-SDT-325	Blank PT-MSH-PR PT-MSH-MW MSH-RC2***	WG-HBL4-2FT WG-HBL4-4FT	Blank (Standard V-hook) PM-HBL4

\*105W, 155W (max)  
\*\*170W, 210W, 300W

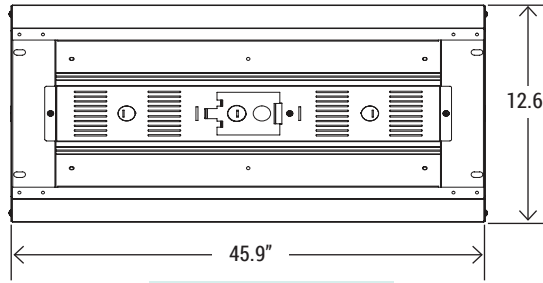
\*\*\*Remote is required

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

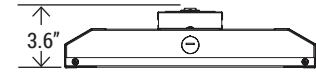


**2'** 105W / 155W



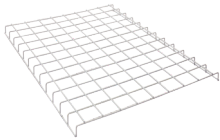
**4'** 170W / 210W / 300W

**QTY/CARTON**

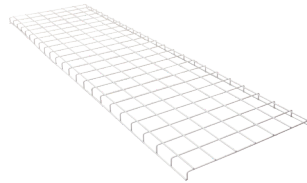


**SIDE PROFILE**

**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**



**MOTION SENSOR**  
PT-MSH-PR (PIR)  
PT-MSH-MW (Microwave)



**MSH-RC2 (Required)**  
Intelligent Control Unit

**TRANSFORMER OPTION**



**PT-SDT-325**  
Step-down Auto-transformer

**EM BATTERY OPTION**



**PT-EM1-15W\* / PT-EM1-30W\*\***  
LED Emergency Driver

\*Only works with 105W, 155W (max)  
\*\*Will work with 170W, 210W, 300W



**DLC LISTING**

CATALOG NUMBER	WATTAGE	DELIVERED LUMENS	EFFICACY	DLC PRODUCT ID	CLASSIFICATION
PT-LHB-105W-2CCT	105W	14,175	141 lm/W	S-JDT39V	PREMIUM
PT-LHB-155W-2CCT	155W	20,925	135 lm/W	S-EMZU6J	PREMIUM
PT-LHB-170W-2CCT	170W	22,950	137 lm/W	S-FAD4Z7	PREMIUM
PT-LHB-210W-2CCT	210W	28,350	139 lm/W	S-ODAZIC	PREMIUM
PT-LHB-300W-2CCT	300W	40,500	133 lm/W	S-TURHP3	PREMIUM

Based on 4000K, 82 CRI. Actual lumens may vary.

**PT-LHB-105W**

Wattage: 105W

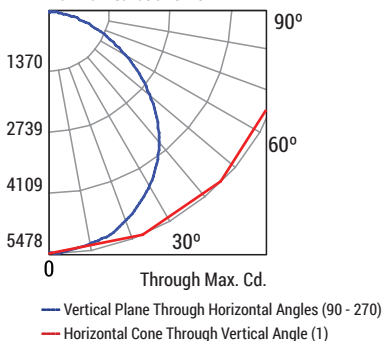
Delivered lumens: 14176

Efficacy: 136 lm/W

CCT: 5000K

CRI: 80

Maximum Candela : 5478.1



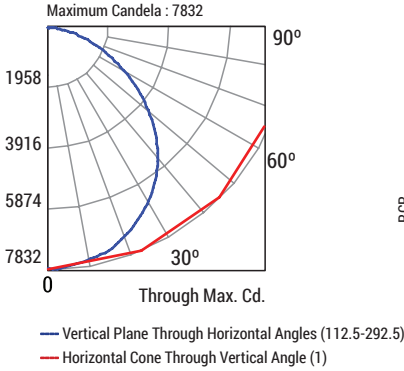
pfc	Coefficients of Utilization																																																																																																																								
	80%					20%																																																																																																																			
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%																																																																																																														
pcc																																																																																																																									
pw																																																																																																																									
RCR	0	1	2	3	4	5	6	7	8	9	10	119	109	100	91	84	77	71	66	62	58	54	119	105	92	81	72	65	58	53	48	44	41	119	101	85	73	64	56	49	44	40	36	33	119	97	80	67	57	49	43	38	34	31	28	116	103	90	79	71	64	57	52	48	44	41	116	99	84	72	63	55	49	44	40	36	33	116	96	79	66	57	49	43	38	34	31	28	111	92	77	65	56	49	43	38	34	31	28	111	89	74	62	53	46	40	35	31	28	25	111	87	72	60	51	44	38	33	29	26	23

CP Summary		
	0°	90°
0°	5457.6	5457.6
5°	5426.7	5421.0
15°	5221.5	5225.2
25°	4815.9	4795.3
35°	4242.1	4204.2
45°	3436.1	3411.2
55°	2490.5	2454.1
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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<b>PT-LHB-155W</b>	Wattage: <b>155W</b>	Delivered lumens: <b>20443</b>	Efficacy: <b>137 lm/W</b>	CCT: <b>5000K</b>	CRI: <b>80</b>
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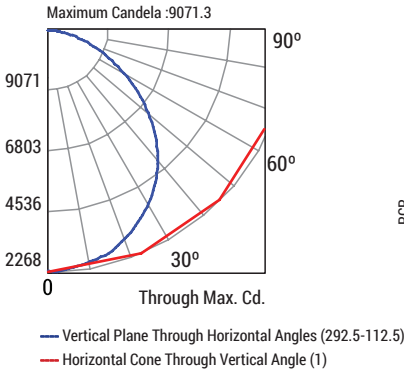


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
4	84	72	64	57	82	71	63	57	68	62	56
5	77	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

<b>PT-LHB-170W</b>	Wattage: <b>170W</b>	Delivered lumens: <b>23302</b>	Efficacy: <b>139 lm/W</b>	CCT: <b>5000K</b>	CRI: <b>80</b>
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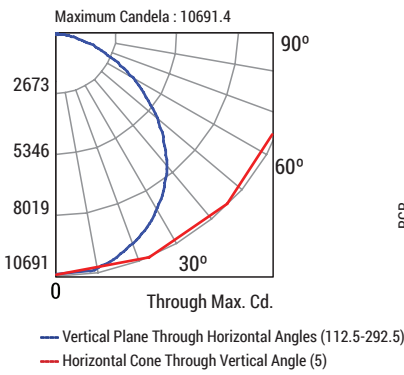


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
4	84	72	64	57	82	71	63	57	68	62	56
5	77	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

<b>PT-LHB-215W</b>	Wattage: <b>210W</b>	Delivered lumens: <b>27924</b>	Efficacy: <b>136 lm/W</b>	CCT: <b>5000K</b>	CRI: <b>80</b>
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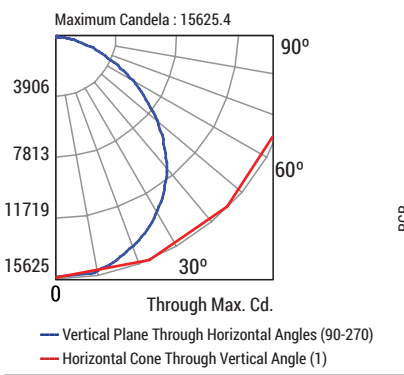


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	85	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	66	77	70	65
4	84	72	64	57	82	71	63	57	68	61	56
5	77	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

<b>PT-LHB-300W</b>	Wattage: <b>300W</b>	Delivered lumens: <b>40310</b>	Efficacy: <b>135 lm/W</b>	CCT: <b>5000K</b>	CRI: <b>80</b>
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RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
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