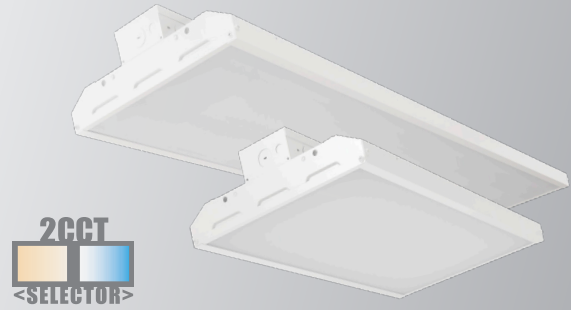


Catalog Number:	Project Name:	Note:	Date:	Type:
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Portor's Next Generation LED Linear High Bay provides high performance efficient and quality light output. Perfect for high ceiling commercial application. Portor can also provide in-house installation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

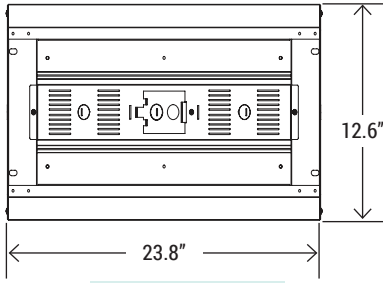
Options /Accessories (Sold separate)				
EM Battery	Transformer	Sensor	Wireguard	Mounting
PT-EM1-15W* PT-EM1-30W**	PT-SDT-325	Blank PT-UNI-SP-PR PT-UNI-SP-MW ELB-UNI MSH-RC2***	WG-HBL4-2FT WG-HBL4-4FT	Blank (Standard V-hook) PM-HBL4

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

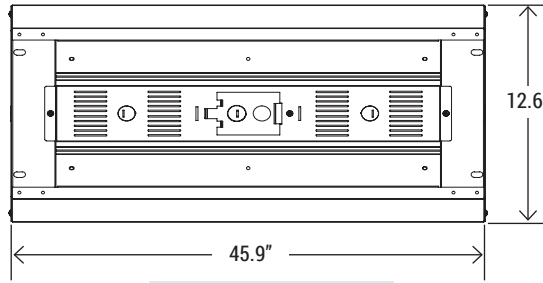
\*\*\*Remote is required

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



**2'** 105W / 155W

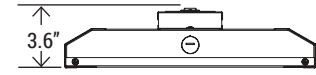


**4'** 170W / 210W / 300W

**QTY/CARTON**

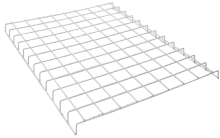


PIECE

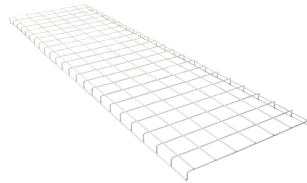


SIDE PROFILE

**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-UNI-SP-PR (PIR)  
PT-UNI-SP-MW (Microwave)



ELB-UNI (Required)  
Elbow adapter



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



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

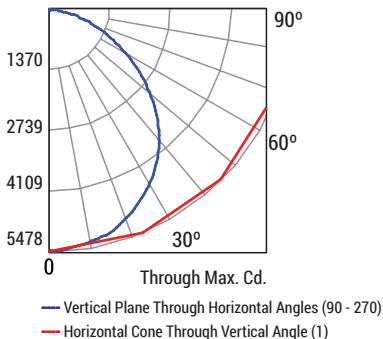
Delivered lumens: 14176

Efficacy: 136 lm/W

CCT: 5000K

CRI: 80

Maximum Candela : 5478.1



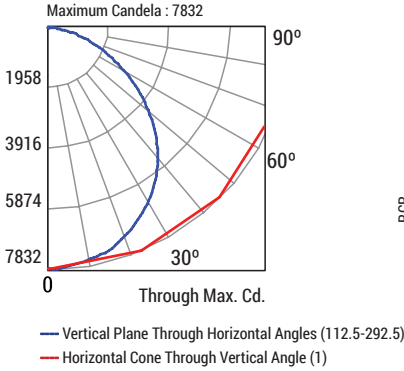
pfc	Coefficients of Utilization											
	80%					20%						
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	
pcc												
pw												
RCR	0	1	2	3	4	5	6	7	8	9	10	
	119	109	100	91	84	77	71	66	62	58	54	
	119	105	92	81	74	68	63	59	56	53	51	
	119	101	85	73	66	61	57	54	51	48	46	
	119	97	80	67	60	56	52	49	46	43	41	
	116	103	87	75	68	63	59	55	52	49	47	
	116	99	81	69	62	57	53	50	47	44	42	
	116	96	78	66	59	54	50	47	44	41	39	
	111	92	74	62	55	50	46	43	40	37	35	
	111	88	70	58	51	46	42	39	36	33	31	
	111	84	66	54	47	42	38	35	32	29	27	
	111	80	62	50	43	38	34	31	28	25	23	
	111	76	58	46	39	34	30	27	24	21	19	
	111	72	54	42	35	30	26	23	20	17	15	
	111	68	50	38	31	26	22	19	16	13	11	
	111	64	46	34	27	22	18	15	12	9	7	
	111	60	42	30	23	18	14	11	8	5	3	
	111	56	38	26	19	14	10	7	4	1	0	
	111	52	34	22	15	10	7	4	1	0	0	
	111	48	30	18	11	7	4	1	0	0	0	
	111	44	26	14	7	4	1	0	0	0	0	
	111	40	22	10	5	3	1	0	0	0	0	
	111	36	18	6	3	1	0	0	0	0	0	
	111	32	14	4	2	0	0	0	0	0	0	
	111	28	10	2	1	0	0	0	0	0	0	

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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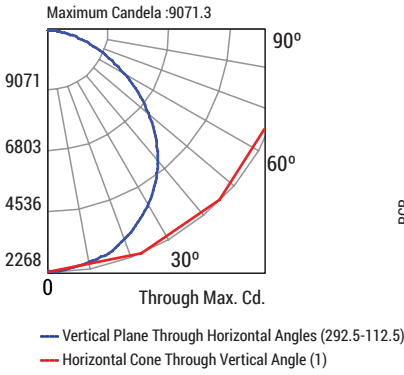


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
4	84	72	64	57	82	71	63	57	68	62	56
5	77	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°	20712.90	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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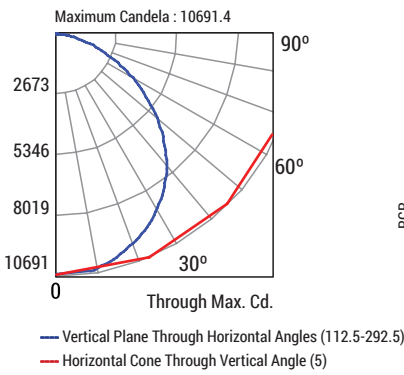


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	86	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	67	77	70	65
4	84	72	64	57	82	71	63	57	68	62	56
5	77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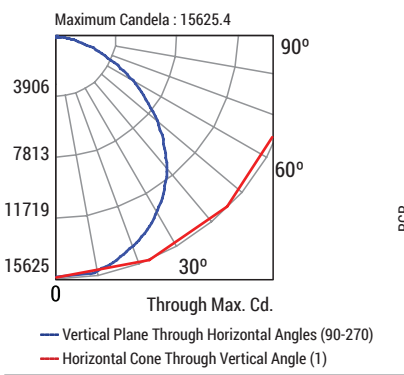


RCR	Coefficients of Utilization										
	80%				70%				50%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	
0	119	119	119	119	116	116	116	116	111	111	111
1	109	105	101	97	107	103	99	96	98	95	93
2	100	92	85	80	97	90	84	79	87	81	77
3	91	81	73	67	89	80	72	66	77	70	65
4	84	72	64	57	82	71	63	57	68	61	56
5	77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