LUMENATOR SERIES
High Bay Fixture (HB7)

Short Specification:

The Lumenator is a superior performing Luminaire - ideal for replacing metal halide high bay systems. This fixture has a 95% Miro 4 Reflector designed to diffuse light more evenly than traditional MH high bay fixtures. This system provides 50% lower operating costs, lower mercury content, longer lamp life, and holds a consistent color throughout its life.

6 Lamp = OA: 48" L x 17" W x 3 ½" D

Applications:

Intended for medium to high mounting heights. Use this fixture in:

- Big Box and Sporting Facilities
- Commercial Lighting
- Industrial Lighting
- Manufacturing Spaces
- Warehouses

Specifications/Features:

- Compliant with GREEN programs
- UL listed
- OSRAM Sylvania -20° universal ballast with 5 year warranty
- Access doors in back of fixture for easy ballast replacement
- 95% Miro 4 Reflector
- Luminaire disconnect included
- Cold rolled steel gear tray in baked white enamel
- Vented angled housing provides for better heat dissipation

Options:

- FMS: Flush Mount System for Wire Guard or Lens
- Wire Guard: 2" cells with painted steel
- Lens: Acrylic or high impact polycarbonate
- Leviton Occupancy Sensor, can operate up to 800W
- Griplock cable mounting systems
- Emergency battery backup ballasts from IOTA
- Cord & plug in 2', 4' or 6' lengths
- T8, T5 or T5HO lamp configurations

4 Lamp = OA: 48" L x 12" W x 3 ½" D

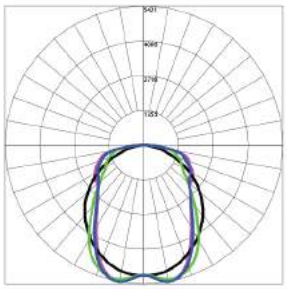
8 Lamp = OA: 48" L x 22" W x 3 ½" D

Made in the U.S.A.

Photometrics:

4 Lamp Lumenator High Bay

Polar Candela Distribution



■ - Vertical Plane Through Horizontal Angles (0°-180°)
■ - Vertical Plane Through Horizontal Angles (45°-225°)
■ - Vertical Plane Through Horizontal Angles (67.5°-247.5°)
■ - Vertical Plane Through Horizontal Angles (90°-270°)
Maximum Candela = 5420.8
Located At Horizontal Angle = 90°, Vertical Angle = 10°

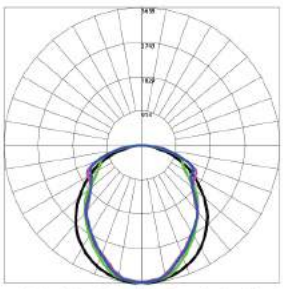
LI-HB7-W4-T5 used for test
Miro 4 Reflector and No Lens
Lamps Used: Four 54 Watt T5
Lamp Output: 4450 Lumens/lamp
Input Wattage: 233
Photometry: Type C
CIE Class: Direct
Test: 26092
Test Lab: Lighting Sciences, Inc.

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-20	1961.89	11	14.2
0-30	4086.29	23	29.5
0-40	6395.03	35.9	46.2
0-60	10535.5	59.2	76.1
0-80	13412.6	75.4	96.8
0-90	13853.1	77.8	100
10-90	13356.7	75	96.4
20-40	4433.14	24.9	32
20-50	6629.51	37.2	47.9
40-70	5774.26	32.4	41.7
60-80	2877.07	16.2	20.8
70-80	1243.29	7.0	9.0
80-90	440.52	2.5	3.2
90-110	0	0	0
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
110-180	0	0	0
0-180	13853.1	77.8	100

Total Luminaire Efficiency: 77.80%

Polar Candela Distribution



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■ - Vertical Plane Through Horizontal Angles (67.5°-247.5°)
■ - Vertical Plane Through Horizontal Angles (90°-270°)
Maximum Candela = 3657.5
Located At Horizontal Angle = 0°, Vertical Angle = 2.5°

LI-HB7-W4-T8 used for test
Miro 4 Reflector and No Lens
Lamps Used: Four 32 Watt T8
Lamp Output: 2950 Lumens/lamp
Input Wattage: 108
Photometry: Type C
CIE Class: Direct
Test: 26093
Test Lab: Lighting Sciences, Inc.

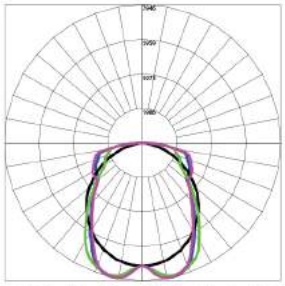
Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-20	1305.75	11.1	13.2
0-30	2708.82	23.0	27.4
0-40	4349.43	36.9	44.0
0-60	7474.21	63.3	75.7
0-80	9623.71	81.6	97.4
0-90	9876.35	83.7	100
10-90	9532.22	80.8	96.5
20-40	3043.68	25.8	30.8
20-50	4690.58	39.8	47.5
40-70	4407.76	37.4	44.6
60-80	2149.5	18.2	21.8
70-80	866.53	7.3	8.8
80-90	252.64	2.1	2.6
90-110	0	0	0
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
110-180	0	0	0
0-180	9876.35	83.7	100

Total Luminaire Efficiency: 83.70%

6 Lamp Lumenator High Bay

Polar Candela Distribution



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■ - Vertical Plane Through Horizontal Angles (45°-225°)
■ - Vertical Plane Through Horizontal Angles (67.5°-247.5°)
■ - Vertical Plane Through Horizontal Angles (90°-270°)
Maximum Candela = 7945.7
Located At Horizontal Angle = 67.5°, Vertical Angle = 25°

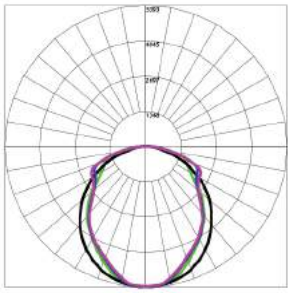
LI-HB7-W6-T5 used for test
Miro 4 Reflector and No Lens
Lamps Used: Six 54 Watt T5
Lamp Output: 4450 Lumens/lamp
Input Wattage: 334
Photometry: Type C
CIE Class: Direct
Test: 26094
Test Lab: Lighting Sciences, Inc.

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-20	2851.3	10.7	13.6
0-30	6030.54	22.6	28.8
0-40	9546.07	35.8	45.6
0-60	15780.6	59.1	75.4
0-80	20206.3	75.7	96.5
0-90	20933.8	78.4	100
10-90	20224.8	75.7	96.6
20-40	6694.77	25.1	32.0
20-50	10033.2	37.6	47.9
40-70	8694.47	32.6	41.5
60-80	4425.74	16.6	21.1
70-80	1965.79	7.4	9.4
80-90	727.45	2.7	3.5
90-110	0	0	0
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
110-180	0	0	0
0-180	20933.8	78.4	100

Total Luminaire Efficiency: 78.40%

Polar Candela Distribution



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■ - Vertical Plane Through Horizontal Angles (67.5°-247.5°)
■ - Vertical Plane Through Horizontal Angles (90°-270°)
Maximum Candela = 5340.2
Located At Horizontal Angle = 45°, Vertical Angle = 25°

LI-HB7-W6-T8 used for test
Miro 4 Reflector and No Lens
Lamps Used: Six 32 Watt T8
Lamp Output: 2950 Lumens/lamp
Input Wattage: 157
Photometry: Type C
CIE Class: Direct
Test: 26095
Test Lab: Lighting Sciences, Inc.

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixt.
0-20	1922.04	10.9	13.2
0-30	3985.12	22.5	27.4
0-40	6404.08	36.2	44.0
0-60	10979.9	62.0	75.4
0-80	14160.6	80.0	97.3
0-90	14557.5	82.2	100
10-90	14049.3	79.4	96.5
20-40	4482.04	25.3	30.8
20-50	6894.63	39.0	47.4
40-70	6452.45	36.5	44.3
60-80	3180.71	18.0	21.8
70-80	1304.09	7.4	9.0
80-90	396.92	2.2	2.7
90-110	0	0	0
90-120	0	0	0
90-130	0	0	0
90-150	0	0	0
90-180	0	0	0
110-180	0	0	0
0-180	14557.5	82.2	100

Total Luminaire Efficiency: 82.20%

Ordering Information:

SERIES	# OF LAMPS	BALLAST
LI-HB7 = Lumenator High Bay	**W4** = 4 Lamps	**T5** = T5
	W6 = 6 Lamps	**T8** = T8
	W8 = 8 Lamps	**HL** = T8 High Lumen*
		*Special order only; call for availability

Indicates most widely used fixture

Sample Part Number: LI-HB7-W6-T8