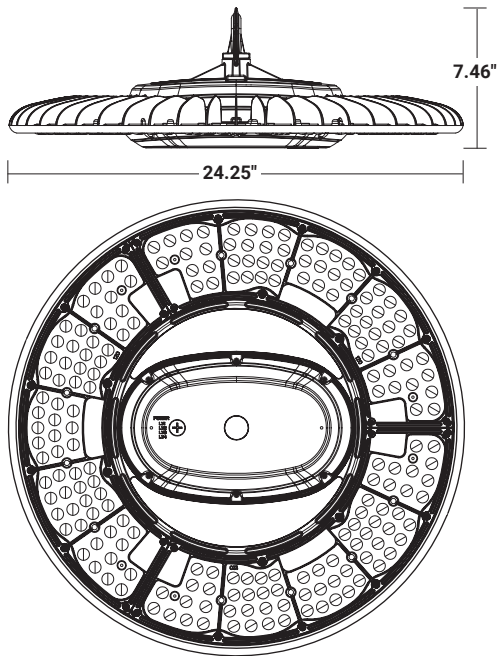




DIMENSIONS



NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
26000L	27436L	144W
39000L	39994L	213W
51000L	51825L	283W
62000L	62930L	353W
31000L	31637L	167W
45500L	45806L	247W
59000L	59347L	329W
72000L	72729L	411W

Based on 4000K, 70+ CRI. Actual wattage may vary +/- 5%

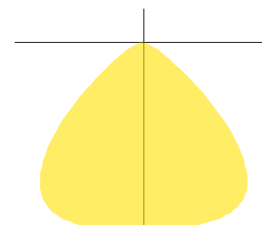
FEATURES

This potent, ultra-efficient round LED high bay brings full, uniform, and powerful illumination to large industrial spaces. A sturdy and sealed housing, an advanced heat dissipating design, and a clearance of over 30' makes it suitable to safely illuminate warehouses and manufacturing plants with high ceilings. High performance LEDs, multi-lumen and 4000K or 5000K CCT, separate optics and sensor compatibility make for a fixture that is convenient, customizable, and adaptable.

Ideal for manufacturing facilities, gymnasiums, warehouses, and more. Wet location rated.

LUMENS	26000L/39000L/51000L/62000L, 31000L/45500L/59000L/72000L
CCT	40K, 50K
CRI	70+ Standard
COLOR QUALITY	3-Step MacAdam Ellipse
MOUNTING	Suspended Mount, Pendant Mount
DIMMING	DIM10 - 0-10% Flicker Free 10% Dimming
DISTRIBUTION	Wide (WD) 120°
FINISH	Bronze (BZ), Black (BK), White (WH)
WORKING TEMP.	-40 °C (-40°F) to 55 °C (131°F)
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC	In accordance with IES LM79-08, LM80 and TM-30, TM-21

OPTIC DISTRIBUTION



Wide (WD) 120° Distribution



OPTICS

A 120° polycarbonate lens guarantees high light intensity and a WD (Wide) distribution. Individually molded optics provide a combination of vertical and horizontal lighting for increased uniformity and visual comfort.

Built with ultra efficient, ultra bright 2835 LEDs for optimal energy and cost efficiency.

Available in lumen packages of 26000L/39000L/51000L/62000L or 31000L/45500L/59000L/72000L, for customizable intensity with a variety of uses. Color temperature available in 4000K or 5000K for a bright, white glow ideal for maintaining alertness in industrial settings.

Lumen factory set to 62000L or 72000L.

CONSTRUCTION

Features a durable, sealed, die-cast aluminum housing suitable for industrial and wet location applications. Ample heat dissipating "fins" keep fixture from overheating and ensure efficient and long term function.

A polyester powder coat finish provides added heat and UV protection. Driver is conveniently placed in face compartment for easy bottom access during installation and maintenance. Multi-lumen selector switch also located on face, under screw-in knockout, alongside screw-in knockout covering audio jack socket for sensors.

Fully sealed and gasketed for UL wet location rated exposure to water.

Available in black and white finishes.

MOUNTING

Suitable for suspended mounting with included die-cast aluminum hook mount.

Conduit pendant surface mounting possible with pendant/stem mount bracket with 3/4" hub (not sold at Elite).

MAINTENANCE

Fixture can be regularly and safely wiped down to ensure optimal fixture performance.

OPTIONS & ACCESSORIES

Luminaire packed standard with:

- Die-cast aluminum hook mount
- Aircraft safety cable
- 6 ft power cord

Sold Separately:

- Plug and Play PIR motion sensor option

See order chart for more details.

DRIVER & ELECTRICAL INFORMATION

Powered by high-quality constant-current LED drivers which are rated for 50 to 60Hz at 120/277V or 347V-480V input, produce less than 20% THD, and have a power factor of .90 to 1.00.

DIMMING

DIM10 - Flicker Free 10% Dimming Standard (DIM10) 0-10V dimming on either MVOLT 120, 277V, 347 and 480V.

WARRANTY

5-year warranty for parts and components (labor not included).

LISTINGS

c-UL-us listed for feed through wiring.

UL listed for wet location

Listed for DLC Premium.

MULTI-LUMEN SWITCH & MOTION SENSOR OPTION



Example: **ORHB8-LED-31000L/45500L/59000L/72000L-DIM10-MVOLT-50K-BK**

ORHB8-LED						
SERIES	LUMENS	DIMMING	VOLTAGE	CCT	FINISH	OPTION
ORHB8-LED	26000L/39000L/51000L/62000L 31000L/45500L/59000L/72000L	DIM10 (0-10V)	MVOLT (120-277V) 347-480V	40K 50K	BK - Black BZ - Bronze WH - White	MS-PIR-BI-SR-101 - Bi-level Socket Head PIR Motion Sensor (IP65) MS-RC-G1 - Hand Held Controller Option for MS-PIR-BI-SR-101 O-EMG-LED - Emergency (consult factory for details)

ORHB8-LED-26000L-39000L-51000L-62000L-DIM10-MVOLT-50K-BK(26000L)

TEST NO.: **EL11252544**

INPUT WATTS: **143.8**

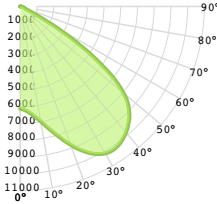
LUMENS: **27436**

EFFICACY: **191**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	6117	6117
10°	6971	6813
20°	8796	8499
30°	10140	9906
40°	9828	9988
50°	8050	8309
60°	2337	3073
70°	258	269
80°	109	133
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	16174	16174
45.00°	34493	35093
55.00°	25716	29223
65.00°	2266	3268
75.00°	2284	2341
85.00°	822	1252

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	615
10° - 20°	2146
20° - 30°	4259
30° - 40°	6275
40° - 50°	7155
50° - 60°	5492
60° - 70°	1067
70° - 80°	234
80° - 90°	57

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	2761	10%
0° - 30°	7020	26%
0° - 40°	13295	48%
0° - 60°	25942	95%
0° - 80°	27243	99%
0° - 90°	27300	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	169.9 lx	18.7 m	18.7 m
8.0 m	95.6 lx	24.9 m	24.9 m
10.0 m	61.2 lx	31.2 m	31.1 m
12.0 m	42.5 lx	37.4 m	37.3 m
14.0 m	31.2 lx	43.6 m	43.5 m
16.0 m	23.9 lx	49.9 m	49.8 m
18.0 m	18.9 lx	56.1 m	56.0 m
20.0 m	15.3 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%	
pc	80%																0%	
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

ORHB8-LED-26000L-39000L-51000L-62000L-DIM10-MVOLT-50K-BK(39000L)

TEST NO.: **EL11252544**

INPUT WATTS: **213.6**

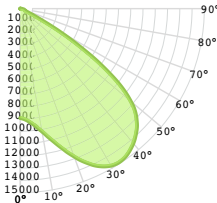
LUMENS: **39994**

EFFICACY: **187**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	8917	8917
10°	10161	9931
20°	12821	12389
30°	14781	14440
40°	14326	14560
50°	11735	12112
60°	3407	4479
70°	376	392
80°	158	193
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	23577	23577
45.00°	50281	51155
55.00°	37486	42599
65.00°	3303	4764
75.00°	3329	3412
85.00°	1198	1825

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	896
10° - 20°	3129
20° - 30°	6208
30° - 40°	9147
40° - 50°	10430
50° - 60°	8006
60° - 70°	1555
70° - 80°	341
80° - 90°	83

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	4025	10%
0° - 30°	10233	26%
0° - 40°	19380	48%
0° - 60°	37816	95%
0° - 80°	39712	99%
0° - 90°	39795	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	247.7 lx	18.7 m	18.7 m
8.0 m	139.3 lx	24.9 m	24.9 m
10.0 m	89.2 lx	31.2 m	31.1 m
12.0 m	61.9 lx	37.4 m	37.3 m
14.0 m	45.5 lx	43.6 m	43.5 m
16.0 m	34.8 lx	49.9 m	49.8 m
18.0 m	27.5 lx	56.1 m	56.0 m
20.0 m	22.3 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																0%	
pc	80%																0%	
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

ORHB8-LED-26000L-39000L-51000L-62000L-DIM10-MVOLT-50K-BK(51000L)

TEST NO.: **EL11252544**

INPUT WATTS: **283.6**

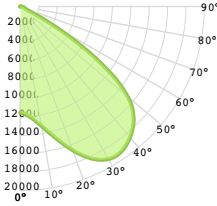
LUMENS: **51827**

EFFICACY: **183**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	11556	11556
10°	13167	12869
20°	16615	16054
30°	19154	18713
40°	18565	18868
50°	15207	15696
60°	4415	5805
70°	487	508
80°	205	251
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	30552	30552
45.00°	65158	66290
55.00°	48577	55202
65.00°	4281	6173
75.00°	4314	4422
85.00°	1552	2365

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1161
10° - 20°	4055
20° - 30°	8045
30° - 40°	11853
40° - 50°	13516
50° - 60°	10374
60° - 70°	2015
70° - 80°	442
80° - 90°	107

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	5216	10%
0° - 30°	13261	26%
0° - 40°	25114	48%
0° - 60°	49005	95%
0° - 80°	51462	99%
0° - 90°	51569	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	321.0 lx	18.7 m	18.7 m
8.0 m	180.6 lx	24.9 m	24.9 m
10.0 m	115.6 lx	31.2 m	31.1 m
12.0 m	80.2 lx	37.4 m	37.3 m
14.0 m	59.0 lx	43.6 m	43.5 m
16.0 m	45.1 lx	49.9 m	49.8 m
18.0 m	35.7 lx	56.1 m	56.0 m
20.0 m	28.9 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	20%																		0%		
	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88			
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55			
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28			
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

ORHB8-LED-26000L-39000L-51000L-62000L-DIM10-MVOLT-50K-BK(62000L)

TEST NO.: **EL11252544**

INPUT WATTS: **353.3**

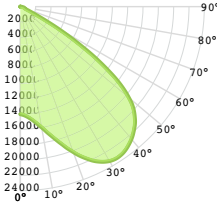
LUMENS: **62930**

EFFICACY: **178**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	14031	14031
10°	15988	15626
20°	20174	19494
30°	23257	22721
40°	22542	22910
50°	18465	19058
60°	5361	7048
70°	591	616
80°	249	304
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	37097	37097
45.00°	79116	80491
55.00°	58984	67028
65.00°	5198	7496
75.00°	5238	5369
85.00°	1885	2872

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1410
10° - 20°	4923
20° - 30°	9768
30° - 40°	14393
40° - 50°	16412
50° - 60°	12597
60° - 70°	2447
70° - 80°	537
80° - 90°	130

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	6334	10%
0° - 30°	16102	26%
0° - 40°	30494	48%
0° - 60°	59503	95%
0° - 80°	62486	99%
0° - 90°	62616	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	389.8 lx	18.7 m	18.7 m
8.0 m	219.2 lx	24.9 m	24.9 m
10.0 m	140.3 lx	31.2 m	31.1 m
12.0 m	97.4 lx	37.4 m	37.3 m
14.0 m	71.6 lx	43.6 m	43.5 m
16.0 m	54.8 lx	49.9 m	49.8 m
18.0 m	43.3 lx	56.1 m	56.0 m
20.0 m	35.1 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf	20%																		0%												
pc	80%						70%						50%						30%						10%						0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%							
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	102	100	0%							
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88	88	88	88	88	88	88							
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75	75	75	75	75	75	75							
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65	65	65	65	65	65	65							
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55	55	55	55	55	55	55							
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48	48	48	48	48	48	48							
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41	41	41	41	41	41	41							
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36	36	36	36	36	36	36							
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32	32	32	32	32	32	32							
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28	28	28	28	28	28	28							
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25	25	25	25	25	25	25							

ORHB8-LED-31000L-45500L-59000L-72000L-DIM10-MVOLT-50K-BK(31000L)

TEST NO.: **EL11252544**

INPUT WATTS: **166.7**

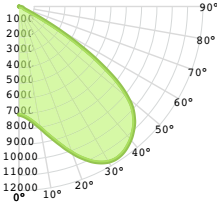
LUMENS: **31637**

EFFICACY: **190**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	7054	7054
10°	8038	7856
20°	10142	9800
30°	11692	11423
40°	11333	11518
50°	9283	9581
60°	2695	3543
70°	297	310
80°	125	153
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	18650	18650
45.00°	39775	40466
55.00°	29654	33698
65.00°	2613	3769
75.00°	2634	2699
85.00°	947	1444

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	709
10° - 20°	2475
20° - 30°	4911
30° - 40°	7236
40° - 50°	8251
50° - 60°	6333
60° - 70°	1230
70° - 80°	270
80° - 90°	65

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	3184	10%
0° - 30°	8095	26%
0° - 40°	15331	48%
0° - 60°	29915	95%
0° - 80°	31414	99%
0° - 90°	31480	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	195.9 lx	18.7 m	18.7 m
8.0 m	110.2 lx	24.9 m	24.9 m
10.0 m	70.5 lx	31.2 m	31.1 m
12.0 m	49.0 lx	37.4 m	37.3 m
14.0 m	36.0 lx	43.6 m	43.5 m
16.0 m	27.6 lx	49.9 m	49.8 m
18.0 m	21.8 lx	56.1 m	56.0 m
20.0 m	17.6 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

	20%										10%										0%
	80%										50%										0%
ρ _f	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ρ _w	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88			
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55			
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28			
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

ORHB8-LED-31000L-45500L-59000L-72000L-DIM10-MVOLT-50K-BK(45500L)

TEST NO.: **EL11252544**

INPUT WATTS: **246.6**

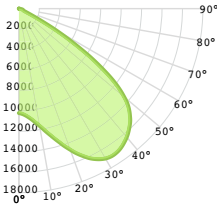
LUMENS: **45806**

EFFICACY: **186**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	10213	10213
10°	11638	11374
20°	14684	14189
30°	16928	16538
40°	16408	16676
50°	13440	13872
60°	3902	5130
70°	430	449
80°	181	221
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	27002	27002
45.00°	57587	58588
55.00°	42933	48788
65.00°	3783	5456
75.00°	3813	3908
85.00°	1372	2090

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1027
10° - 20°	3584
20° - 30°	7110
30° - 40°	10476
40° - 50°	11946
50° - 60°	9169
60° - 70°	1781
70° - 80°	391
80° - 90°	95

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	4610	10%
0° - 30°	11720	26%
0° - 40°	22196	48%
0° - 60°	43311	95%
0° - 80°	45483	99%
0° - 90°	45578	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	283.7 lx	18.7 m	18.7 m
8.0 m	159.6 lx	24.9 m	24.9 m
10.0 m	102.1 lx	31.2 m	31.1 m
12.0 m	70.9 lx	37.4 m	37.3 m
14.0 m	52.1 lx	43.6 m	43.5 m
16.0 m	39.9 lx	49.9 m	49.8 m
18.0 m	31.5 lx	56.1 m	56.0 m
20.0 m	25.5 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

	20%										10%										0%
	80%										50%										0%
ρ _f	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
ρ _w	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	102	102	102	102	100	
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88			
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55			
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28			
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

ORHB8-LED-31000L-45500L-59000L-72000L-DIM10-MVOLT-50K-BK(59000L)

TEST NO.: **EL11252544**

INPUT WATTS: **329.4**

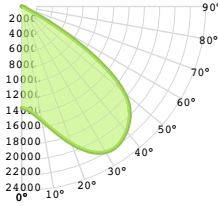
LUMENS: **59347**

EFFICACY: **180**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	13232	13232
10°	15078	14736
20°	19026	18384
30°	21933	21428
40°	21259	21606
50°	17414	17973
60°	5056	6647
70°	558	581
80°	235	287
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	34985	34985
45.00°	74612	75909
55.00°	55626	63212
65.00°	4902	7069
75.00°	4940	5064
85.00°	1777	2708

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1330
10° - 20°	4643
20° - 30°	9212
30° - 40°	13573
40° - 50°	15478
50° - 60°	11880
60° - 70°	2307
70° - 80°	506
80° - 90°	123

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	5973	10%
0° - 30°	15185	26%
0° - 40°	28758	48%
0° - 60°	56116	95%
0° - 80°	58929	99%
0° - 90°	59052	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	367.6 lx	18.7 m	18.7 m
8.0 m	206.8 lx	24.9 m	24.9 m
10.0 m	132.3 lx	31.2 m	31.1 m
12.0 m	91.9 lx	37.4 m	37.3 m
14.0 m	67.5 lx	43.6 m	43.5 m
16.0 m	51.7 lx	49.9 m	49.8 m
18.0 m	40.8 lx	56.1 m	56.0 m
20.0 m	33.1 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf pw	20%																		0%		
	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88			
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55			
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28			
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			

ORHB8-LED-31000L-45500L-59000L-72000L-DIM10-MVOLT-50K-BK(72000L)

TEST NO.: **EL11252544**

INPUT WATTS: **411.4**

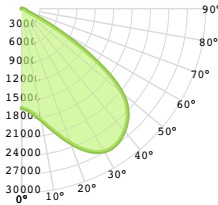
LUMENS: **72729**

EFFICACY: **177**

BEAM ANGLE: **114**

SPACING CRITERIA: **2.05**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	16216	16216
10°	18478	18059
20°	23316	22529
30°	26878	26260
40°	26053	26478
50°	21340	22026
60°	6196	8146
70°	683	712
80°	288	352
90°	0	0

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	42874	42874
45.00°	91436	93026
55.00°	68169	77466
65.00°	6007	8663
75.00°	6054	6206
85.00°	2178	3319

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1630
10° - 20°	5690
20° - 30°	11289
30° - 40°	16634
40° - 50°	18968
50° - 60°	14559
60° - 70°	2828
70° - 80°	620
80° - 90°	151

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LUMINAIRE
0° - 20°	7320	10%
0° - 30°	18609	26%
0° - 40°	35243	48%
0° - 60°	68769	95%
0° - 80°	72217	99%
0° - 90°	72368	100%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0° -180°	BEAM DIA. 90° -270°
6.0 m	450.4 lx	18.7 m	18.7 m
8.0 m	253.4 lx	24.9 m	24.9 m
10.0 m	162.2 lx	31.2 m	31.1 m
12.0 m	112.6 lx	37.4 m	37.3 m
14.0 m	82.7 lx	43.6 m	43.5 m
16.0 m	63.3 lx	49.9 m	49.8 m
18.0 m	50.0 lx	56.1 m	56.0 m
20.0 m	40.5 lx	62.3 m	62.2 m

INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	20%																		0%		
	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	111	107	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88			
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	83	80	77	75			
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	65			
4	86	75	67	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55			
5	79	67	58	52	77	65	57	52	63	56	51	61	55	50	59	54	50	48			
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	54	48	43	41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32			
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28			
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25			