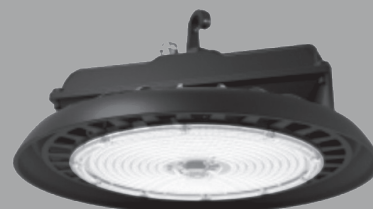




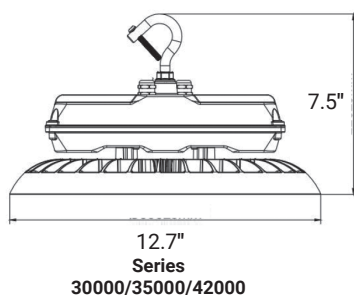
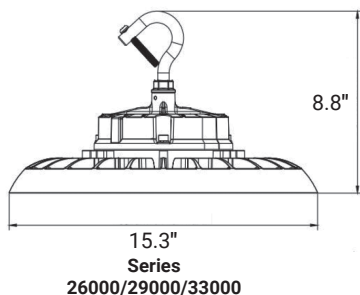
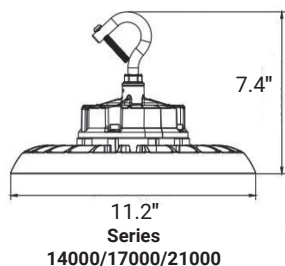
Series
14000/17000/21000



Series
26000/29000/33000



Series
30000/35000/42000



FEATURES

The Oracle ORHB5 High Bay is a round high bay designed to withstand high temperatures, wet environments, airborne contaminants, and electrical shock. Selectable High lumen output and circular form factor leave no dark corners. Built-in hanging hook included for easy pendant installation. Applications include warehouses, commercial facilities, retail, roadways, campuses, garages with high ceilings, and gymnasiums.

LUMENS	14000/17000/21000 26000/29000/33000 30000/35000/42000
CCT	40K, 50K
CRI	85+ Standard
COLOR QUALITY	3 Step MacAdam Ellipse
MOUNTING	Suspended, Surface Mount
DISTRIBUTION	Wide (WD)
DIMMING & CONTROL	0-10V Flicker Free 10% Dimming Standard (DIM10)
EMERGENCY	20W - Up to 2000L output 20W - Up to 4000L output
WORKING TEMPERATURE	-30°C to 50°C
LIFETIME	L70 at 50,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

Series 14000/17000/21000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
21000	21023	150 W
17000	17425	119W
14000	15175	99W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

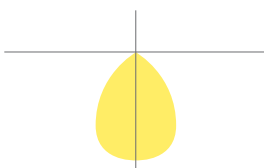
Series 26000/29000/33000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
33000	32867	237 W
29000	28958	199W
26000	16465	177W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

Series 30000/35000/42000		
NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
42000	42000	300W
35000	36430	239W
30000	31696	201W

Based on 4000K, 85+ CRI. Actual wattage may vary +/- 5%

WD- WIDE Candlepower Distribution Curve



PERFORMANCE

Efficacy up to 160lm/W, designed to replace 400W metal halide (MH) bulbs while consuming 200W. Increase energy savings with optional bi-level motion sensor.

OPTICS

A .16" thick clear tempered glass lens protects LEDs. Reflector and lens options provide maximum versatility and uniformity. Conical, flat, aluminum, prismatic or acrylic clear/frosted drop lenses offer enhanced aesthetics, minimize glare at lower mounting heights when paired with acrylic reflectors.

CONSTRUCTION

One-piece, sealed die-cast aluminum housing requires no additional parts. Heat sink included in casting, preventing high bay from heating up during use. Wet location rating serves both indoor and outdoor applications.

INSTALLATION

Included: Hook mount, safety cable, 6-ft. power cord, and 0-10V dimming cord. Conduit pendant also possible with optional accessory: pendant/stem mount bracket with 3/4" hub and j-box. Surge Protection Level: Built-in 6 kV surge protection; class 2 product (shock-resistant).

FINISH

White or Black polyester powder coat finish painted after fabrication

CCT AND LUMEN SELECT OPTION

Easily access field-adjustable 3-Color/lumen SeleCCT-Lumen for switch without lowering the luminaire from the Ceiling

ELECTRICAL

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

DIMMING & DRIVER INFORMATION

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

RATINGS

UL wet location rated

IP65-rated; completely sealed to protect against water and dirt

DLC-listed

WARRANTY

Five-year warranty for parts and components. (Labor not included)

Example: **ORHB5-LED-14000/17000/21000-DIM10-MVOLT-40K-WD-BK**

ORHB5	LED										
SERIES	TYPE		DIMMING	VOLTAGE	CCT	OPTICS	FINISH	EMERGENCY	REFLECTOR OPTIONS	LENS OPTIONS	
ORHB5-Oracle LED Round High Bay Series	LED		DIM10 - 0-10V Dimming	MVOLT	40K 50K	WD	BK - Black	0-EMG-LED-20W 0-EMG-LED-40W	ORHB1-ALR - Alum. Reflector ORHB1-ARC - Acrylic Clear	ORHB1-CB - Conical Bottom ORHB1-PD - Prismatic Drop	
		LUMENS							For 90° lens Medium Distribution (MD) - is available with any reflectors	Lens accessories only for Acrylic reflectors	
		14000/17000/21000 26000/29000/33000 30000/35000/42000									
OPTION/ACCESSORY											
FSP311-B-D* SIDE Mount 0-10V continuous dimming PIR photo/ motion sensor with bluetooth control option. ORHB5-MS-PIR Integrated 0-10V continuous dimming PIR motion sensor with handheld control option. ORHB5-MS-MW Microwave Motion Sensor ORHB5-WG-12 Wire Guard (11" Diameter) ORHB5-WG-14 Wire Guard (13" Diameter) ORHB5-WG-14 Wire Guard (15" Diameter) ORHB5-BRK Pendant/Stem mount bracket with 3/4" hub and j-box IP rated J-Box ORHB5-IP67-JBOX											

*NOTE: Jbox is to be included when using a Sensor

REFLECTORS:



ORHB6-ALR
Aluminum Reflector



ORHB6-ARC
Acrylic Clear Reflector

LENS ACCESSORIES:



ORHB6-CB
Conical Bottom lens

MOUNTING:



Hook Mount (included)
Hook mount is easy to install
and offer one ant-off screw



Safety cable (included)

ACCESSORY:



ORHB6-BRK
Pendant/Stem mount bracket with 3/4"
hub and j-box

EMERGENCY:



Emergency Options



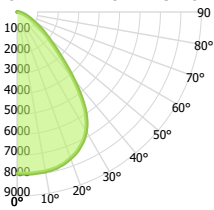
ORHB6-WG
Wire Guard

ORHB5-LED-14000L-17000L-21000L-DIM10-MVOLT-40K-WD-BK (14000L)

TEST NO.:

INPUT WATTS: **99.9** LUMENS: **15175** EFFICACY: **152** BEAM ANGLE: **83** SPACING CRITERIA: **1.24**

CANDELA DISTRIBUTION



CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	219.7 fc	10.7 ft	10.8 ft
8.0 ft	123.6 fc	14.3 ft	14.4 ft
10.0 ft	79.1 fc	17.8 ft	18.0 ft
12.0 ft	54.9 fc	21.4 ft	21.6 ft
14.0 ft	40.3 fc	25.0 ft	25.2 ft
16.0 ft	30.9 fc	28.5 ft	28.8 ft
18.0 ft	24.4 fc	32.1 ft	32.4 ft
20.0 ft	19.8 fc	35.7 ft	35.9 ft

CANDELA TABLE

	0°	90°
0°	7909	7909
10°	7918	7903
20°	7613	7544
30°	6714	6616
40°	4257	4271
50°	1988	2115
60°	902	937
70°	388	388
80°	82	89
90°	3	2

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0°	0	0
10°	45.00°	0
20°	55.00°	0
30°	65.00°	0
40°	75.00°	0
50°	85.00°	0
60°	902	937
70°	388	388
80°	82	89
90°	3	2

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	757
10° - 20°	2230
20° - 30°	3481
30° - 40°	3824
40° - 50°	2497
50° - 60°	1341
60° - 70°	637
70° - 80°	243
80° - 90°	35

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	2987	20%
0° - 30°	6468	43%
0° - 40°	10292	68%
0° - 60°	14129	93%
0° - 80°	15009	99%
0° - 90°	15044	99%

INDOOR COEFFICIENTS OF UTILIZATION

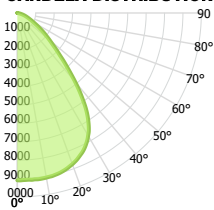
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pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	101	101	101	101	99
1	111	108	105	102	109	106	103	100	101	99	97	97	95	94	94	92	91	89	89	89
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79	79	79
3	96	88	82	77	94	87	81	76	84	79	74	81	77	73	78	75	72	70	70	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62	62	62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	61	58	56	56	56
6	78	67	59	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50	50	50
7	73	61	54	49	71	61	53	48	59	53	48	58	52	48	56	51	47	46	46	46
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35	35

ORHB5-LED-14000L-17000L-21000L-DIM10-MVOLT-40K-WD-BK (17000L)

TEST NO.:

INPUT WATTS: **119.4** LUMENS: **17425** EFFICACY: **146** BEAM ANGLE: **83** SPACING CRITERIA: **1.23**

CANDELA DISTRIBUTION



CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	252.6 fc	10.7 ft	10.8 ft
8.0 ft	142.1 fc	14.3 ft	14.4 ft
10.0 ft	90.9 fc	17.8 ft	18.0 ft
12.0 ft	63.1 fc	21.4 ft	21.6 ft
14.0 ft	46.4 fc	24.9 ft	25.2 ft
16.0 ft	35.5 fc	28.5 ft	28.8 ft
18.0 ft	28.1 fc	32.1 ft	32.4 ft
20.0 ft	22.7 fc	35.6 ft	36.0 ft

CANDELA TABLE

	0°	90°
0°	9092	9092
10°	9083	9080
20°	8743	8670
30°	7695	7617
40°	4896	4924
50°	2283	2432
60°	1035	1076
70°	447	445
80°	95	103
90°	3	2

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0°	0	0
10°	45.00°	0
20°	55.00°	0
30°	65.00°	0
40°	75.00°	0
50°	85.00°	0
60°	1035	1076
70°	447	445
80°	95	103
90°	3	2

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	871
10° - 20°	2562
20° - 30°	3998
30° - 40°	4389
40° - 50°	2864
50° - 60°	1539
60° - 70°	731
70° - 80°	279
80° - 90°	40

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3433	20%
0° - 30°	7431	43%
0° - 40°	11820	68%
0° - 60°	16223	93%
0° - 80°	17234	99%
0° - 90°	17274	99%

INDOOR COEFFICIENTS OF UTILIZATION

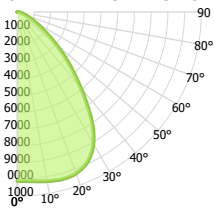
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pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	106	101	101	101	101	99
1	111	108	105	102	109	106	103	100	101	99	97	97	95	94	94	92	91	89	89	89
2	104	97	92	88	101	96	91	87	92	88	85	89	85	83	86	83	81	79	79	79
3	96	88	82	77	94	87	81	76	84	79	74	81	77	73	78	75	72	70	70	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	62	62	62
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	61	58	56	56	56
6	78	67	59	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50	50	50
7	73	61	54	49	71	61	53	48	59	53	48	58	52	48	56	51	47	46	46	46
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35	35

ORHB5-LED-14000L-17000L-21000L-DIM10-MVOLT-40K-WD-BK (21000L)

TEST NO.:

INPUT WATTS: **150.2** LUMENS: **21023** EFFICACY: **140** BEAM ANGLE: **88** SPACING CRITERIA: **1.27**

CANDELA DISTRIBUTION



CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	280.7 fc	11.5 ft	11.6 ft
8.0 ft	157.9 fc	15.4 ft	15.5 ft
10.0 ft	101.1 fc	19.2 ft	19.3 ft
12.0 ft	70.2 fc	23.1 ft	23.2 ft
14.0 ft	51.6 fc	26.9 ft	27.1 ft
16.0 ft	39.5 fc	30.7 ft	30.9 ft
18.0 ft	31.2 fc	34.6 ft	34.8 ft
20.0 ft	25.3 fc	38.4 ft	38.6 ft

CANDELA TABLE

	0°	90°
0°	10106	10106
10°	10264	10309
20°	10263	10197
30°	9082	8898
40°	5869	5979
50°	3042	3169
60°	1284	1324
70°	500	514
80°	156	154
90°	4	3

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0°	0	0
10°	45.00°	0
20°	55.00°	0
30°	65.00°	0
40°	75.00°	0
50°	85.00°	0
60°	1284	1324
70°	500	514
80°	156	154
90°	4	3

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	975
10° - 20°	2928
20° - 30°	4575
30° - 40°	4979
40° - 50°	3775
50° - 60°	2145
60° - 70°	989
70° - 80°	393
80° - 90°	84

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	3904	19%
0° - 30°	8479	40%
0° - 40°	13458	64%
0° - 60°	19378	92%
0° - 80°	20760	99%
0° - 90°	20844	99%

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%	0%										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99													
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88													
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	82	80	78													
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	77	74	71	69													
4	89	79	72	66	87	78	71	65	75	69	65	73	68	64	71	66	63	61													
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54													
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7	72	60	52	47	70	59	52	47	58	51	46	56	50	46	55	50	46	44													
8	67	55	48	42	66	55	47	42	53	47	42	52	46	42	51	46	42	40													
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36													
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33													

ORHB5-LED-26000L-29000L-30000L-DIM10-MVOLT-40K-WD-BK (26000L)

TEST NO.:

INPUT WATTS: 177.3

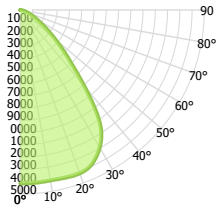
LUMENS: 26465

EFFICACY: 149

BEAM ANGLE: 83

SPACING CRITERIA: 1.30

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	14138	14138
10°	14109	14114
20°	14169	14146
30°	12932	12725
40°	8133	7603
50°	3724	3592
60°	1610	1610
70°	680	666
80°	141	145
90°	9	6

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1351
10° - 20°	4005
20° - 30°	6222
30° - 40°	6621
40° - 50°	4202
50° - 60°	2246
60° - 70°	1095
70° - 80°	423
80° - 90°	61

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	5356	20%
0° - 30°	11578	44%
0° - 40°	18199	69%
0° - 60°	24647	93%
0° - 80°	26164	99%
0° - 90°	26225	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	392.7 fc	10.6 ft	10.5 ft
8.0 ft	220.9 fc	14.1 ft	14.0 ft
10.0 ft	141.4 fc	17.6 ft	17.5 ft
12.0 ft	98.2 fc	21.2 ft	21.0 ft
14.0 ft	72.1 fc	24.7 ft	24.4 ft
16.0 ft	55.2 fc	28.2 ft	27.9 ft
18.0 ft	43.6 fc	31.8 ft	31.4 ft
20.0 ft	35.3 fc	35.3 ft	34.9 ft

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	101	101	101	99	
1	111	108	105	102	109	106	103	100	101	99	97	97	96	94	94	92	91	89	
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	
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10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	

ORHB5-LED-26000L-29000L-30000L-DIM10-MVOLT-40K-WD-BK (29000L)

TEST NO.:

INPUT WATTS: 199.9

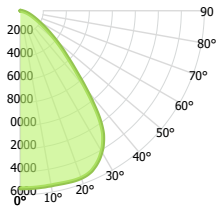
LUMENS: 28958

EFFICACY: 145

BEAM ANGLE: 83

SPACING CRITERIA: 1.30

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	15453	15453
10°	15427	15430
20°	15474	15468
30°	14134	14016
40°	8868	8493
50°	4071	3979
60°	1746	1768
70°	738	730
80°	153	152
90°	7	2

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1477
10° - 20°	4378
20° - 30°	6807
30° - 40°	7254
40° - 50°	4605
50° - 60°	2458
60° - 70°	1197
70° - 80°	461
80° - 90°	66

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	5856	20%
0° - 30°	12662	44%
0° - 40°	19916	69%
0° - 60°	26979	93%
0° - 80°	28637	99%
0° - 90°	28703	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	429.3 fc	10.6 ft	10.6 ft
8.0 ft	241.5 fc	14.1 ft	14.1 ft
10.0 ft	154.5 fc	17.6 ft	17.6 ft
12.0 ft	107.3 fc	21.2 ft	21.1 ft
14.0 ft	78.8 fc	24.7 ft	24.6 ft
16.0 ft	60.4 fc	28.2 ft	28.2 ft
18.0 ft	47.7 fc	31.7 ft	31.7 ft
20.0 ft	38.6 fc	35.3 ft	35.2 ft

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%	10%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	
1	111	108	105	102	109	106	103	100	101	99	97	97	96	94	94	92	91	89	
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79	
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	79	75	72	70	
4	90	80	73	68	88	79	72	67	77	71	66	74	69	65	72	68	65	63	
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	66	62	58	56	
6	78	67	60	54	77	66	59	54	64	58	54	63	57	53	61	56	53	51	
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	57	52	48	46	
8	69	57	50	45	67	56	49	44	55	49	44	54	48	44	53	48	44	42	
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38	
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	

ORHB5-LED-26000L-29000L-30000L-DIM10-MVOLT-40K-WD-BK (33000L)

TEST NO.:

INPUT WATTS: 237.9

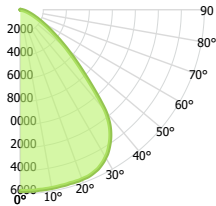
LUMENS: 32867

EFFICACY: 138

BEAM ANGLE: 90

SPACING CRITERIA: 1.35 x 1.35

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	15767	15767
10°	15738	15717
20°	15679	15659
30°	14817	14815
40°	11502	10952
50°	5239	4722
60°	2167	1902
70°	801	684
80°	183	121
90°	6	3

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1507
10° - 20°	4449
20° - 30°	7031
30° - 40°	8305
40° - 50°	6221
50° - 60°	3145
60° - 70°	1368
70° - 80°	493
80° - 90°	69

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	5957	18%
0° - 30°	12987	40%
0° - 40°	21292	65%
0° - 60°	30658	93%
0° - 80°	32519	99%
0° - 90°	32588	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	438.0 fc	12.0 ft	12.1 ft
8.0 ft	246.4 fc	16.0 ft	16.2 ft
10.0 ft	157.7 fc	20.0 ft	20.2 ft
12.0 ft	109.5 fc	24.0 ft	24.2 ft
14.0 ft	80.4 fc	28.0 ft	28.3 ft
16.0 ft	61.6 fc	32.0 ft	32.3 ft
18.0 ft	48.7 fc	36.0 ft	36.4 ft
20.0 ft	39.4 fc	40.0 ft	40.4 ft

INDOOR COEFFICIENTS OF UTILIZATION

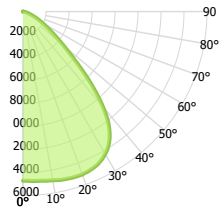
pf pc pw	20%																		0%
	80%				70%				50%				30%				10%		0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99	
1	111	108	104	102	109	105	102	100	101	99	97	97	95	94	94	92	91	89	
2	103	97	92	87	101	95	90	86	92	88	84	88	85	82	85	83	80	78	
3	96	88	81	76	94	86	80	75	83	78	74	80	76	72	78	74	71	69	
4	89	79	72	66	87	78	71	66	75	70	65	73	68	64	71	67	63	61	
5	83	72	64	59	81	71	64	58	69	63	58	67	61	57	65	60	57	55	
6	77	66	58	52	75	65	58	52	63	57	52	61	56	51	60	55	51	49	
7	72	60	53	47	70	59	52	47	58	51	47	56	51	46	55	50	46	44	
8	67	55	48	43	66	55	47	42	53	47	42	52	46	42	51	46	42	40	
9	63	51	44	39	62	51	43	39	49	43	38	48	42	38	47	42	38	36	
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33	

ORHB5-LED-30000L-35000L-42000L-DIM10-MVOLT-40K-WD-BK (30000L)

TEST NO.:

INPUT WATTS: **201.1**LUMENS: **31696**EFFICACY: **158**BEAM ANGLE: **91**SPACING CRITERIA: **1.37**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	14709	14709
10°	14898	14768
20°	15070	14998
30°	14297	14566
40°	10825	11551
50°	4619	5104
60°	1894	2091
70°	659	729
80°	138	157
90°	5	3

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1415
10° - 20°	4250
20° - 30°	6877
30° - 40°	8282
40° - 50°	6035
50° - 60°	2851
60° - 70°	1246
70° - 80°	411
80° - 90°	59

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	5665	18%
0° - 30°	12542	40%
0° - 40°	20824	66%
0° - 60°	29711	94%
0° - 80°	31368	99%
0° - 90°	31427	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	408.6 fc	12.2 ft	12.2 ft
8.0 ft	229.8 fc	16.2 ft	16.2 ft
10.0 ft	147.1 fc	20.3 ft	20.3 ft
12.0 ft	102.1 fc	24.3 ft	24.3 ft
14.0 ft	75.0 fc	28.4 ft	28.4 ft
16.0 ft	57.5 fc	32.5 ft	32.4 ft
18.0 ft	45.4 fc	36.5 ft	36.5 ft
20.0 ft	36.8 fc	40.6 ft	40.5 ft

INDOOR COEFFICIENTS OF UTILIZATION

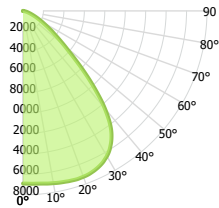
pf	20%																		0%		
pc	80%				70%				50%				30%				10%				0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99			
1	111	108	105	102	109	106	103	100	101	99	97	97	95	94	94	92	91	89			
2	104	97	92	87	101	95	91	86	92	88	84	89	85	82	86	83	80	79			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	74	71	69			
4	89	80	72	67	87	78	71	66	76	70	65	73	68	64	71	67	64	62			
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	65	61	57	55			
6	77	66	58	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49			
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	55	50	46	44			
8	68	56	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40			
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37			
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	33			

ORHB5-LED-30000L-35000L-42000L-DIM10-MVOLT-40K-WD-BK (35000L)

TEST NO.:

INPUT WATTS: **239.8**LUMENS: **36430**EFFICACY: **152**BEAM ANGLE: **91**SPACING CRITERIA: **1.37**

CANDELA DISTRIBUTION



CANDELA TABLE

	0°	90°
0°	16891	16891
10°	17109	16945
20°	17269	17211
30°	16411	16743
40°	12443	13308
50°	5313	5861
60°	2183	2408
70°	760	838
80°	159	181
90°	7	5

LUMINANCE (cd/sq.m)

	0.00°	90.00°
0.00°	0	0
45.00°	0	0
55.00°	0	0
65.00°	0	0
75.00°	0	0
85.00°	0	0

LUMENS PER ZONE

ZONE	LUMENS
0° - 10°	1624
10° - 20°	4878
20° - 30°	7892
30° - 40°	9517
40° - 50°	6953
50° - 60°	3283
60° - 70°	1432
70° - 80°	472
80° - 90°	68

ZONAL LUMEN SUMMARY

ZONE	UMENS	% LUMINAIRE
0° - 20°	6502	18%
0° - 30°	14394	40%
0° - 40°	23911	66%
0° - 60°	34147	94%
0° - 80°	36051	99%
0° - 90°	36119	99%

CONE OF LIGHT

MOUNTING HEIGHT	FC AT BEAM CENTER	BEAM DIA. 0°-180°	BEAM DIA. 90°-270°
6.0 ft	469.2 fc	12.2 ft	12.2 ft
8.0 ft	263.9 fc	16.2 ft	16.2 ft
10.0 ft	168.9 fc	20.3 ft	20.3 ft
12.0 ft	117.3 fc	24.4 ft	24.4 ft
14.0 ft	86.2 fc	28.4 ft	28.4 ft
16.0 ft	66.0 fc	32.5 ft	32.5 ft
18.0 ft	52.1 fc	36.6 ft	36.5 ft
20.0 ft	42.2 fc	40.6 ft	40.6 ft

INDOOR COEFFICIENTS OF UTILIZATION

pf pc pw	20%																		0%	
	80%				70%				50%				30%				10%			
	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	101	101	101	99		
1	111	108	105	102	109	106	103	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	91	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	74	71	69		
4	89	80	72	67	87	78	71	66	76	70	65	73	68	64	71	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	57	65	61	57	55		
6	77	66	58	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	44		
8	68	56	48	43	66	55	48	43	54	47	42	52	46	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	48	43	38	47	42	38	37		
10	60	48	40	36	58	47	40	35	46	40	35	45	39	35	44	39	35	33		