

Round LED High Bay Series



ProLED® Round LED High Bay Series is a long life and energy efficient replacement for existing linear fluorescent or HID installations. Ideal for high mounting heights, the ProLED Round LED High Bays deliver instant-on capabilities, uniform illumination, and reduced maintenance costs. Wiring and control options and accessories are available to help reduce installation times and save energy. Applications include; warehouses, distribution centers, industrial facilities, gymnasiums, retail, grocery stores. ProLED® Round LED High Bay Series is backed by a 5-year limited warranty.

Performance Specifications

CRI	80	Min. Start Temp.	-40°C (-40°F)
Rated Life	100,000 hours	Max. Operating Temp.	50°C (122°F)
Watts	150W, 200W	Power Factor	>95%
Lumens	20,250-27,445	Warranty	5-Year Limited
Lumens (Per Watt)	135/135	Control	Dimming (0-10V DC)
Input Line Voltage	120-277V	Weight	11.0/14.1 lbs
Input Line Frequency	50/60 Hz	Dimmable	0-10V

Energy Savings

Standard High Bay HID	System Watts	Replacement LED	Energy Savings
400W	458W	200W	56%

Construction

- Die-cast aluminum body and driver housing for maximum thermal performance and durability
- Clear polycarbonate lens reduces dust intrusion
- Specular reflector for smooth, even light distribution
- UL listed for wet locations, IP65 rated (Excluding mounting box)
- Unique easy-access door and removable mounting plate facilitate quick and safe mounting of luminaire
- Durable steel mounting box finished in a polyester powder coating
- Control options available
- 3/4" NPT hook available

Installation

- Dimming (0-10V DC)
- Instant on
- 135 lumens per watt
- 6' or 12' NEMA twist lock cord assembly (optional)

Accessories

- 10122 - Round LED High Bay 60° Degree Aluminum Reflector
- 10123 - Round LED High Bay 90° Degree Aluminum Reflector
- 10124 - Round LED High Bay 70° Degree Polycarbonate Reflector
- 10125 - Round LED High Bay 60° Degree Wireguard for Aluminum Reflectors
- 10126 - Round LED High Bay 90° Degree Wireguard for Aluminum Reflectors
- 10127 - Round LED High Bay Wireguard for Polycarbonate Reflector
- 10128 - 3/4" NPT Hook (Zinc Material)

Ordering Information

Series	Watt option	CRI	Color Temperature	Voltage	Optic Option	Cord Length Option	Cord Volt Option**	Motion Control Option
RHB	150 = 150W 200 = 200W	8 = 80	40 = 4000K 50 = 5000K	UNV = 120-277V	W = Wide	C06 = 6 Feet C12 = 12 Feet	12V = 120V 20V = 208V 24V = 240V 27V = 277V	MC = 0-10V Sensor

Use the nomenclature on the left to create product code. Description is on the right. All columns are required except cord length, cord volt and motion control.

Example

RHB 200 8 40 UNV W C06 12V MC

Ordering information.

* Useful Life is defined as the point in time at which the lamp will maintain at least 70% of its initial lumens. The lamp will continue to burn past this point, but at decreased light levels.

Warranty Commercial/Industrial: This product is warranted for 5 years from the date purchase.

** Cord voltage designates included NEMA plug configuration.

Round High Bay Series

Accessories



Motion Control Sensor. Includes high and low mount lens.



60° Degree Aluminum Reflector



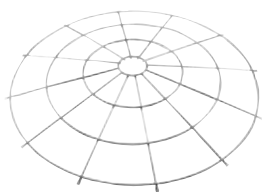
90° Degree Aluminum Reflector



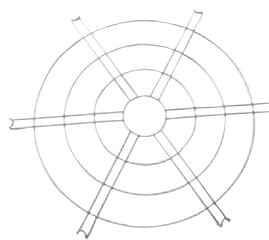
70° Degree Polycarbonate Reflector



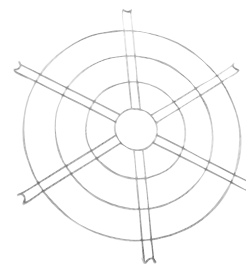
3/4" NPT Hook (Zinc Material)



Wireguard for Polycarbonate Reflector



90° Degree Wireguard for Aluminum Reflector



60° Degree Wireguard for Aluminum Reflector

Accessories Ordering Information

Product #	Product Code	Description	Weight
10122	RHB/AL60D	Round LED High Bay 60° Degree Aluminum Reflector 14"W x 6"H	1.14 lb
10123	RHB/AL90D	Round LED High Bay 90° Degree Aluminum Reflector 14"W x 6"H	1.14 lb
10124	RHB/AY70D	Round LED High Bay 70° Degree Polycarbonate Reflector 16"W x 11"H	2.31 lb
10125	RHB/WG/AL60D	Round LED High Bay 60° Degree Wireguard for Aluminum Reflectors	1.10 lb
10126	RHB/WG/AL90D	Round LED High Bay 90° Degree Wireguard for Aluminum Reflectors	1.10 lb
10127	RHB/WG/AY	Round LED High Bay Wireguard for Polycarbonate Reflector	0.60 lb
10128	RHB/H	3/4" NPT Hook (Zinc Material)	0.40 lb
10129	RHB/MC	(0-10V) Motion Control Sensor	0.05 lb



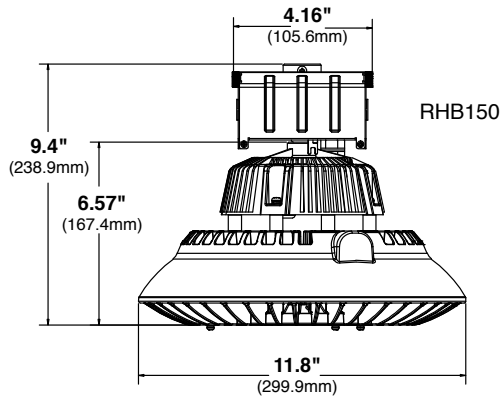
Base Product Information

Watt	Product #	Product Code	Volts	Color Temp.	CRI	Lumen Output	Useful Life*	Dimmable	Size	DLC Product ID	Equivalent Replacement
150W	10120	RHB150/840/UNV/W	120-277V	4000K	80	20,250	100,000	0-10V	11.8" w x 11.8" l x 9.4" h	PU9UG7XG	4-lamp (T5HO)/6-Lamp (T8)/250W
200W	10121	RHB200/840/UNV/W	120-277V	4000K	80	27,000	100,000	0-10V	11.8" w x 11.8" l x 9.4" h	P1YDK4YQ	6-lamp (T5HO)/8-Lamp (T8)/400W
150W	10130	RHB150/850/UNV/W	120-277V	5000K	80	20,531	100,000	0-10V	11.8" w x 11.8" l x 9.4" h	PLZHBHQ0FOY2	4-lamp (T5HO)/6-Lamp (T8)/250W
200W	10131	RHB200/850/UNV/W	120-277V	5000K	80	27,445	100,000	0-10V	11.8" w x 11.8" l x 9.4" h	PL7VN2E6RHVO	6-lamp (T5HO)/8-Lamp (T8)/400W

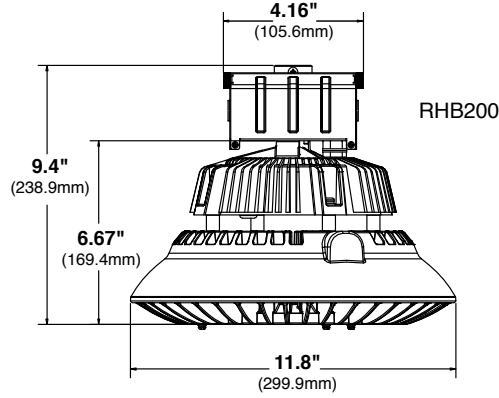
Warranty Commercial/Industrial: This product is warranted for 5 years from the date purchase.

May not be compatible with all dimmable systems, dimming performance may vary by system, please check the website www.halcolighting.com for up-to-date dimmer compatibility information. Use on incompatible systems may shorten lamp life.

** Check the latest update at www.DesignLights.org for listed product catalog numbers. All versions may not be listed.



RHB150

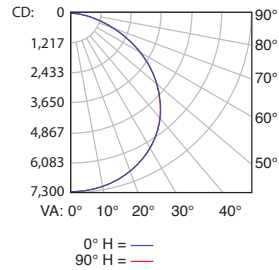


RHB200

Ambient Temp.	Rated Life
77°F(25°C)	100,000 Hours
86°F(30°C)	100,000 Hours
95°F(35°C)	100,000 Hours
104°F(40°C)	70,000 Hours
122°F(50°C)	50,000 Hours

Photometrics

RHB150_840_UNV_W 10120



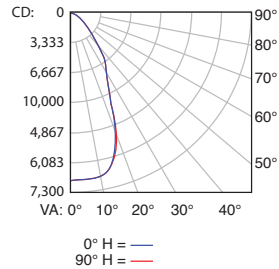
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	5,732.5	28.3%	28.3%
0-40	9,465.9	46.7%	46.7%
0-60	16,819.6	82.9%	82.9%
60-90	3,377.4	16.7%	16.7%
70-100	1,024.0	5%	5%
90-120	20.5	0.1%	0.1%
0-90	20,197.0	99.6%	99.6%
90-180	83.5	0.4%	0.4%
0-180	20,280.4	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	689.2	3.4%	90-100	3.5	0%
10-20	1,989.8	9.8%	100-110	6.7	0%
20-30	3,053.4	15.1%	110-120	10.4	0.1%
30-40	3,733.5	18.4%	120-130	13.3	0.1%
40-50	3,890.4	19.2%	130-140	14.6	0.1%
50-60	3,463.2	17.1%	140-150	13.7	0.1%
60-70	2,356.8	11.6%	150-160	11.3	0.1%
70-80	924.3	4.6%	160-170	7.4	0%
80-90	96.3	0.5%	170-180	2.6	0%

RHB150_840_UNV_W with 60 DEG aluminum reflector



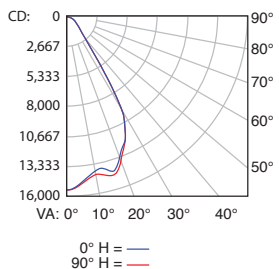
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	11,413.0	62.1%	62.1%
0-40	15,360.7	83.5%	83.6%
0-60	18,267.7	99.3%	99.4%
60-90	44.2	0.2%	0.2%
70-100	16.9	0.1%	0.1%
90-120	5.1	0%	0%
0-90	18,312.0	99.6%	99.6%
90-180	72.2	0.4%	0.4%
0-180	18,384.2	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,798.3	9.8%	90-100	1.0	0%
10-20	4,799.6	26.1%	100-110	1.0	0%
20-30	4,815.1	26.2%	110-120	3.1	0%
30-40	3,947.7	21.5%	120-130	6.8	0%
40-50	2,409.4	13.1%	130-140	11.3	0.1%
50-60	497.7	2.7%	140-150	15.2	0.1%
60-70	28.4	0.2%	150-160	16.3	0.1%
70-80	12.5	0.1%	160-170	12.6	0.1%
80-90	3.3	0.0%	170-180	4.9	0%

RHB150_840_UNV_W with 70 DEG acrylic reflector



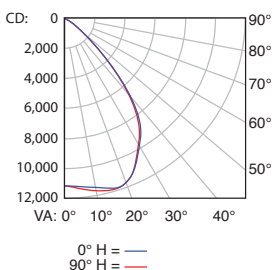
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	10,992.4	59%	59%
0-40	14,392.5	77.2%	77.2%
0-60	16,777.9	90%	90%
60-90	1,269.7	6.8%	6.8%
70-100	849.8	4.6%	4.6%
90-120	372.9	2%	2%
0-90	18,047.6	96.8%	96.8%
90-180	587.4	3.2%	3.2%
0-180	18,635.0	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,400.1	7.5%	90-100	185.4	1%
10-20	4,065.3	21.8%	100-110	123.6	0.7%
20-30	5,526.9	29.7%	110-120	63.9	0.3%
30-40	3,400.2	18.2%	120-130	48.3	0.3%
40-50	1,376.2	7.4%	130-140	45.9	0.2%
50-60	1,009.2	5.4%	140-150	44.3	0.2%
60-70	605.3	3.2%	150-160	38.7	0.2%
70-80	373.1	2.0%	160-170	27.4	0.1%
80-90	291.3	1.6%	170-180	9.9	0.1%

RHB150_840_UNV_W with 90 DEG aluminum reflector

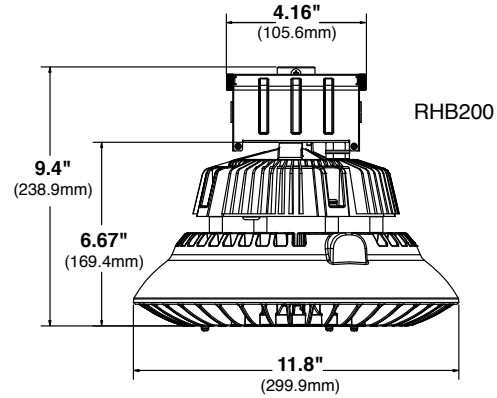
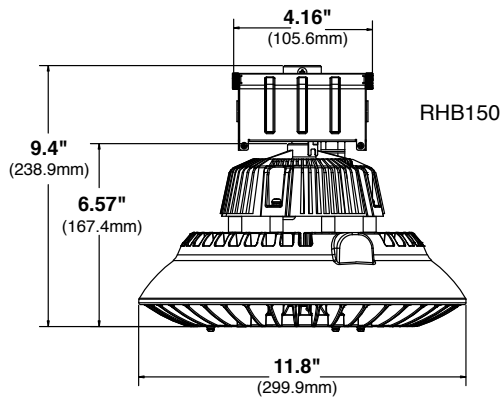


ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	9,356.5	50%	50%
0-40	14,604.8	78.1%	78.1%
0-60	18,529.7	99.1%	99.1%
60-90	95.1	0.5%	0.5%
70-100	32.3	0.2%	0.2%
90-120	6.8	0%	0%
0-90	18,624.8	99.6%	99.6%
90-180	73.8	0.4%	0.4%
0-180	18,698.6	100%	100%

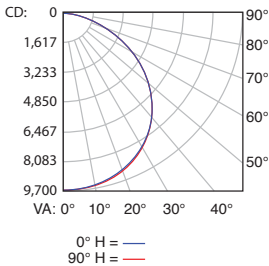
LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,083.0	5.8%	90-100	1.5	0%
10-20	3,320.0	17.8%	100-110	1.5	0%
20-30	4,953.4	26.5%	110-120	3.8	0%
30-40	5,248.3	28.1%	120-130	8.5	0%
40-50	3,228.7	17.3%	130-140	13.5	0.1%
50-60	696.3	3.7%	140-150	15.9	0.1%
60-70	64.2	0.3%	150-160	14.8	0.1%
70-80	24.2	0.1%	160-170	10.4	0.1%
80-90	6.6	0.0%	170-180	3.9	0%



Photometrics

RHB200_840_UNV_W 10121



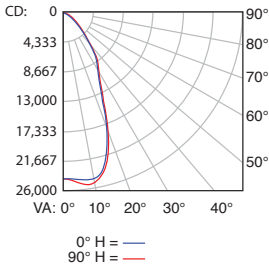
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	7,610.8	28.3%	28.3%
0-40	12,563.1	46.7%	46.7%
0-60	22,303.9	83%	83%
60-90	4,468.7	16.6%	16.6%
70-100	1,350.4	5%	5%
90-120	26.5	0.1%	0.1%
0-90	26,772.6	99.6%	99.6%
90-180	107.7	0.4%	0.4%
0-180	26,880.3	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	914.8	3.4%	90-100	4.2	0%
10-20	2,642.2	9.8%	100-110	8.6	0%
20-30	4,053.8	15.1%	110-120	13.6	0.1%
30-40	4,952.2	18.4%	120-130	17.3	0.1%
40-50	5,154.2	19.2%	130-140	18.9	0.1%
50-60	4,586.7	17.1%	140-150	17.7	0.1%
60-70	3,122.6	11.6%	150-160	14.4	0.1%
70-80	1,223.3	4.6%	160-170	9.5	0%
80-90	122.8	0.5%	170-180	3.4	0%

RHB200_840_UNV_W with 60 DEG aluminum reflector



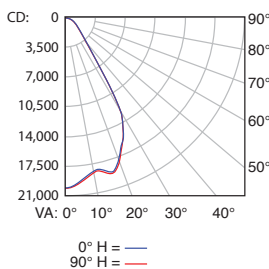
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	15,021.6	62.1%	62.1%
0-40	20,217.4	83.6%	83.6%
0-60	24,034.6	99.3%	99.4%
60-90	58.1	0.2%	0.2%
70-100	21.9	0.1%	0.1%
90-120	6.4	0%	0%
0-90	24,092.7	99.6%	99.6%
90-180	94.3	0.4%	0.4%
0-180	24,187.0	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	2,362.1	9.8%	90-100	1.0	0%
10-20	6,353.9	26.3%	100-110	1.3	0%
20-30	6,305.6	26.1%	110-120	4.1	0%
30-40	5,195.8	21.5%	120-130	8.9	0%
40-50	3,162.8	13.1%	130-140	14.8	0.1%
50-60	654.4	2.7%	140-150	19.9	0.1%
60-70	37.2	0.2%	150-160	21.4	0.1%
70-80	16.6	0.1%	160-170	16.5	0.1%
80-90	4.3	0.0%	170-180	6.4	0%

RHB200_840_UNV_W with 70 DEG polycarbonate reflector



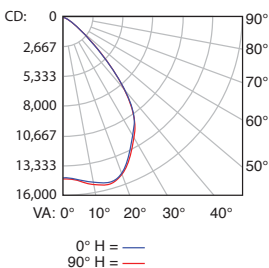
ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	14,347.5	59%	59%
0-40	18,795.3	77.2%	77.3%
0-60	21,886.7	89.9%	90%
60-90	1,654.5	6.8%	6.8%
70-100	1,123.6	4.6%	4.6%
90-120	501.6	2.1%	2.1%
0-90	23,541.2	96.7%	96.8%
90-180	787.0	3.2%	3.2%
0-180	24,328.2	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,825.2	7.5%	90-100	250.1	1%
10-20	5,307.1	21.8%	100-110	166.1	0.7%
20-30	7,215.3	29.7%	110-120	85.4	0.4%
30-40	4,447.8	18.3%	120-130	64.8	0.3%
40-50	1,782.8	7.3%	130-140	61.7	0.3%
50-60	1,308.6	5.4%	140-150	59.2	0.2%
60-70	781.0	3.2%	150-160	51.0	0.2%
70-80	489.3	2.0%	160-170	35.8	0.1%
80-90	384.2	1.6%	170-180	12.8	0.1%

RHB200_840_UNV_W with 90 DEG aluminum reflector



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	12,195.6	50.2%	50.2%
0-40	19,012.1	78.2%	78.2%
0-60	24,078.0	99.1%	99.1%
60-90	124.6	0.5%	0.5%
70-100	42.2	0.2%	0.2%
90-120	8.1	0%	0%
0-90	24,202.5	99.6%	99.6%
90-180	95.1	0.4%	0.4%
0-180	24,297.6	100%	100%

LUMENS PER ZONE

ZONE	LUMENS	% TOTAL	ZONE	LUMENS	% TOTAL
0-10	1,414.4	5.8%	90-100	1.6	0%
10-20	4,348.1	17.9%	100-110	1.6	0%
20-30	6,433.0	26.5%	110-120	4.9	0%
30-40	6,816.6	28.1%	120-130	11.1	0%
40-50	4,171.1	17.2%	130-140	17.5	0.1%
50-60	894.7	3.7%	140-150	20.6	0.1%
60-70	83.9	0.3%	150-160	19.1	0.1%
70-80	32.1	0.1%	160-170	13.6	0.1%
80-90	8.6	0.0%	170-180	5.1	0%