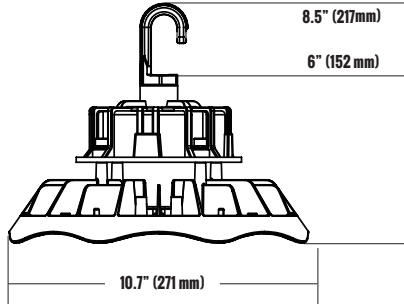


PRODUCT CODE: HBRA7-150W4MB-CW-G
150W LED ARCHITECTURAL HIGH BAY/ROUND


PRODUCT DESCRIPTION

Etlin-Daniels is pleased to introduce their latest generation of LED round highbay luminaires. The silver-gray color, along with the new light weight and reduced size housings provide a high-end aesthetic look. Using a pure aluminum shell with innovative finning, the HBRA7 series provides superior heat dissipation than die-cast aluminum options. The standard 110° beam pattern can be easily modified by choosing one of the many 60° & 90° options using diffusers, and either aluminum or prismatic reflectors.

Efficacy levels range between 151.5 and 166lm/w, depending on the product chosen, and we now offer a high-performance Microwave Sensor option that provides multiple forms of on / off and dimming functions, coupled with daylight priority lux level settings - all programmable with a unique remote control.

IP65 Wet Location rated, the HBRA7 series has available wire guards to protect against physical shock, and a directional yoke mount for precision illumination. Available in 100W / 150W / 200W / 240W, in 120-277V and 347-480V. 4000K & 5000K color temps.

The W4MB & W5MB designation shows fixtures with 120-347V drivers and the Microwave Sensor base and cover factory pre-installed.

FEATURES

- Led Indoor Light Source
- Light-weight pure aluminum, reduced size housing
- Suspension or precision yoke mounting
- 10' power cord standard
- 110° beam pattern with 60° & 90° beam options using diffusers, and aluminum & prismatic reflectors
- Microwave Sensor base & base cover pre-installed
- >80CRI
- 120-347V / 4000K
- 4kv Surge Protection built in
- IP65 Wet Location rated
- 5 year warranty
- L70 - 50,000 hours
- DLC5.1

PRODUCT SPECIFICATIONS (OPTICAL DATA)

LED TYPE	LED QTY	SYSTEM EFFICACY	LUMENS	COLOR TEMPERATURE	BEAM ANGLE	CRI	SYSTEM EFFICIENCY	VOLTAGE	POWER FREQ.	POWER EFFICIENCY	POWER FACTOR	HARMONIC DISTORTION
2835	480 CHIPS	156.79 LM/W	23,519LM	4000K	110°	>80CRI	>90%	AC120V~347V	50-60HZ	>90%	>0.94	9.03%

PRODUCT SPECIFICATIONS

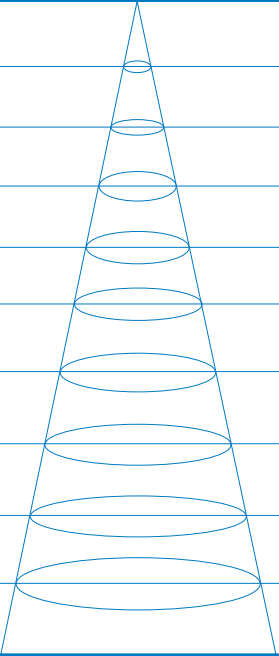
WATTAGE	FIXTURE MATERIAL	INGRESS PROTECT	LIFE SPAN	STORAGE TEMP	OPERATING TEMP	PRODUCT DIMENSIONS	CARTON SIZE	
150W	ALUMINUM / PC LENS	IP65	>50,000 HOURS	-40°C ~ -70°C -40°F ~ -158°F	-40°C ~ -45°C -40°F ~ -113°F	10.7 X 10.7 X 8.5 INCHES (271 X 271 X 217 MM)	13.79 X 13.79 X 8.35 INCHES (350 X 350 X 212 MM)	

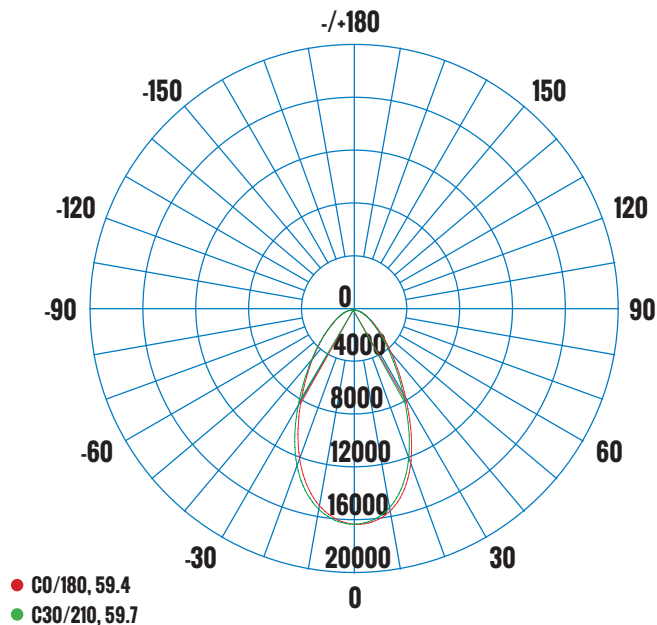
ADDITIONAL INFORMATION

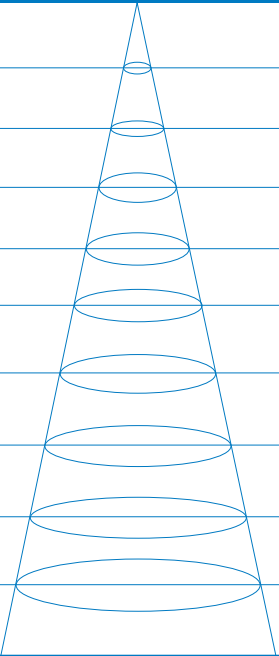
INSTALLATION METHOD
SUSPENSION/YOKE
FIXTURE COLOR
GRAY FINISH

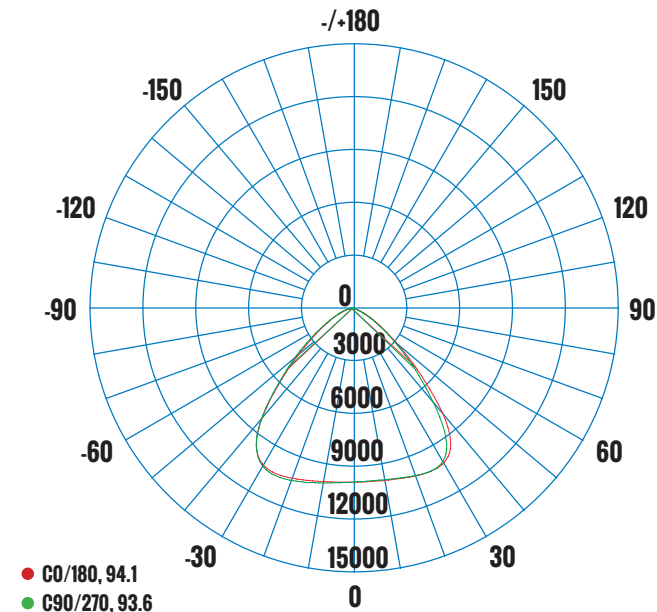
PRODUCT CODE: HBRA7-150W4MB-CW-G
150W LED ARCHITECTURAL HIGH BAY/ROUND

LUMINAIRE PHOTOMETRIC (TEST REPORT) - 60D PMLN
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 10,118LM

3.28FT 1M	9662,16384LX		3.73FT 113.65CM
6.56FT 2M	2416,4096LX		7.46FT 227.31CM
9.84FT 3M	1074,1820LX		11.19FT 340.96CM
13.12FT 4M	603.9,1024LX		14.92FT 454.62CM
16.40FT 5M	386.5,655.4LX		18.64FT 568.27CM
19.69FT 6M	268.4,455.1LX		22.37FT 681.93CM
22.97FT 7M	197.2,334.4LX		26.10FT 795.58CM
26.25FT 8M	151.0,256.0LX		29.83FT 909.24CM
29.52FT 9M	119.3,202.3LX		33.56FT 1022.89CM
32.80FT 10M	96.62,163.8LX		37.29FT 1136.54CM
HT	EAVG/EMAX	ANGLE: 59.22DEG	DIA

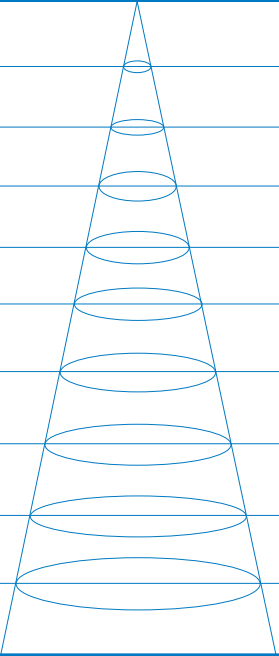
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 59.5DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PMLN
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 17,314LM

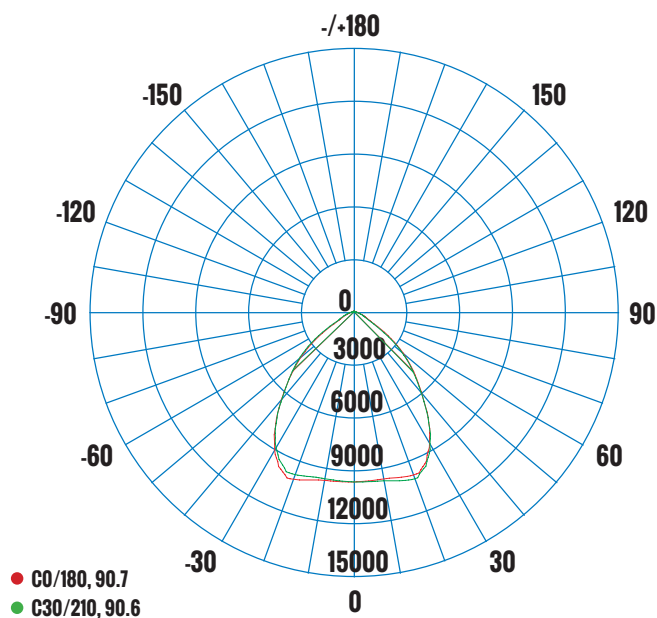
3.28FT 1M	4793,9652LX		6.99FT 212.93CM
6.56FT 2M	1198,2413LX		13.97FT 425.87CM
9.84FT 3M	522.5,1072LX		20.96FT 638.80CM
13.12FT 4M	299.5,603.2LX		27.94FT 851.73CM
16.40FT 5M	191.7,386.1LX		34.93FT 1064.67CM
19.69FT 6M	133.1,268.1LX		41.92FT 1277.60CM
22.97FT 7M	97.81,197.0LX		48.90FT 1490.53CM
26.25FT 8M	74.88,150.8LX		55.89FT 1703.47CM
29.52FT 9M	59.17,119.2LX		62.87FT 1916.40CM
32.80FT 10M	47.93,96.52LX		69.86FT 2129.33CM
HT	EAVG/EMAX	ANGLE: 93.59DEG	DIA

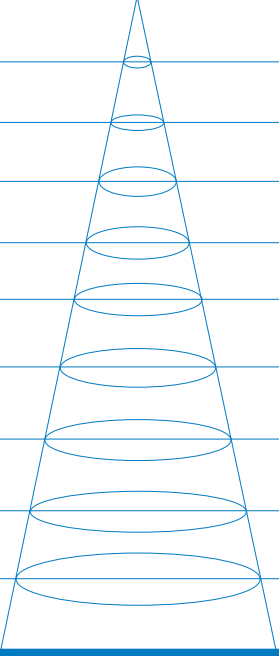
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 93.9 DEG

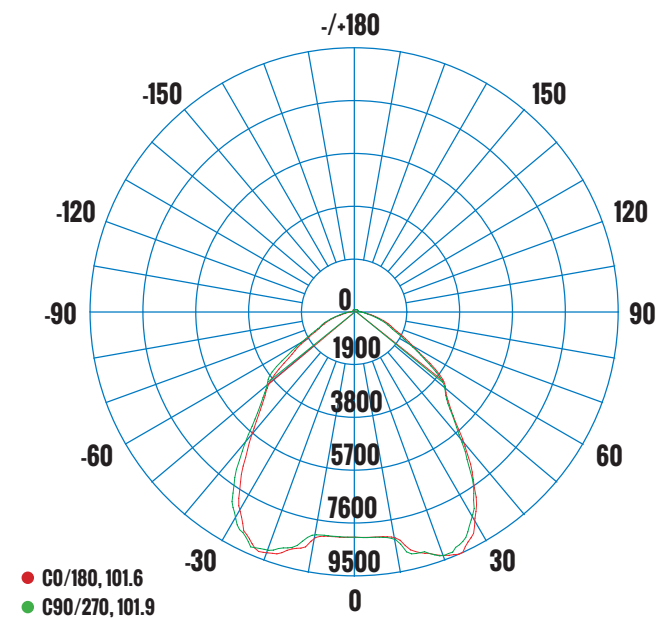
PRODUCT CODE: HBRA7-150W4MB-CW-G
150W LED ARCHITECTURAL HIGH BAY/ROUND

LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D ALRF
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 15,055LM

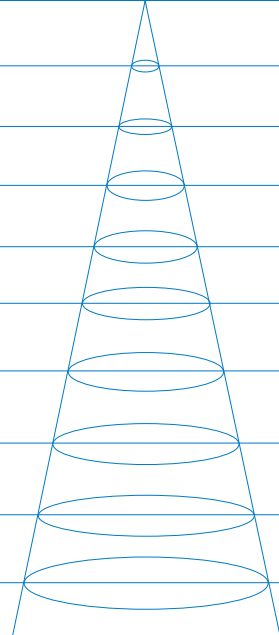
3.28FT 1M	4469,9619LX		6.64FT 202.28 CM
6.56FT 2M	1117,2405LX		13.27FT 404.56 CM
9.84FT 3M	496.5,1069LX		19.91FT 606.84 CM
13.12FT 4M	279.3,601.2LX		26.55FT 809.12 CM
16.40FT 5M	178.8,384.8LX		33.18FT 1011.40 CM
19.69FT 6M	124.1,267.2LX		39.82FT 1213.68 CM
22.97FT 7M	91.20,196.3LX		46.46FT 1415.96 CM
26.25FT 8M	69.83,150.3LX		53.09FT 1618.24 CM
29.52FT 9M	55.17,118.8LX		59.73FT 1820.52 CM
32.80FT 10M	44.69,96.19LX		66.36FT 2022.80 CM
HT	EAVG/EMAX	ANGLE: 90.65DEG	DIA

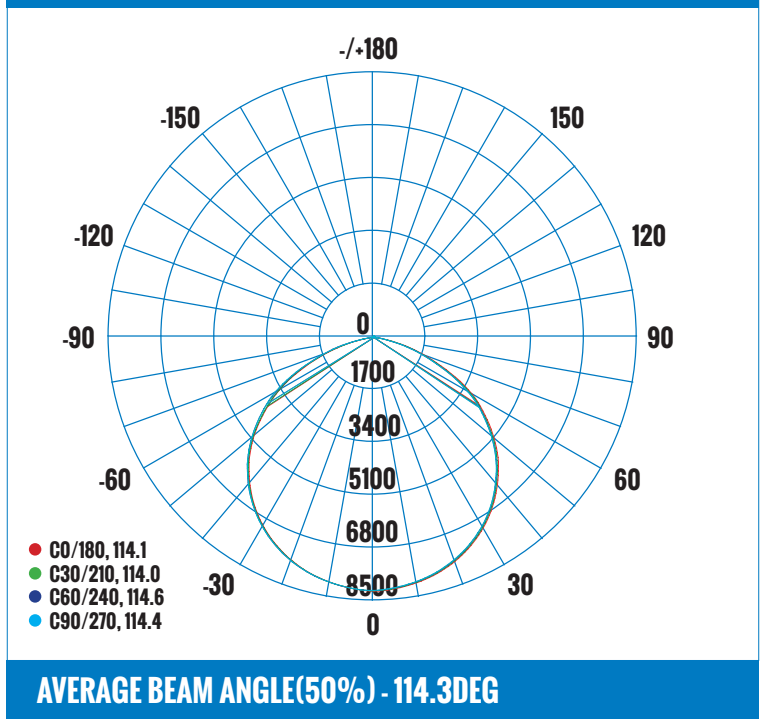
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 90.7 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PCRF
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 16,070LM

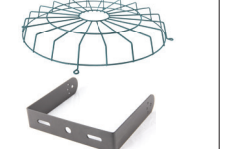
3.28FT 1M	3354,8248LX		8.03FT 244.79CM
6.56FT 2M	838.6,2062LX		16.06FT 489.59CM
9.84FT 3M	372.7,916.4LX		24.09FT 734.38CM
13.12FT 4M	209.6,515.5LX		32.13FT 979.17CM
16.40FT 5M	134.2,329.9LX		40.16FT 1223.96CM
19.69FT 6M	93.17,229.1LX		48.19FT 1468.76CM
22.97FT 7M	68.46,168.3LX		56.22FT 1713.55CM
26.25FT 8M	52.41,128.9LX		64.25FT 1958.34CM
29.52FT 9M	41.41,101.8LX		72.18FT 2203.14CM
32.80FT 10M	33.54,82.48LX		80.31FT 2447.93CM
HT	EAVG/EMAX	ANGLE: 101.50DEG	DIA

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 101.7 DEG

PRODUCT CODE: HBRA7-150W4MB-CW-G
150W LED ARCHITECTURAL HIGH BAY/ROUND
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 110D STANDARD
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,462LM

3.28FT 1M	2295,8329LX		10.12FT 308.62 CM
6.56FT 2M	573.6,2082LX		20.22FT 616.52 CM
9.84FT 3M	255.0,925.5LX		30.34FT 924.78 CM
13.12FT 4M	143.4,520.6LX		40.45FT 1233.05 CM
16.40FT 5M	91.78,333.2LX		50.56FT 1541.31 CM
19.69FT 6M	63.74,231.4LX		60.68FT 1849.57 CM
22.97FT 7M	46.83,170.01LX		70.79FT 2157.83 CM
26.25FT 8M	35.85,130.1LX		80.90FT 2466.09 CM
29.52FT 9M	28.33,102.8LX		91.02FT 2774.35 CM
32.80FT 10M	22.95,83.29LX		101.14FT 3082.62 CM
HT	EAVG/EMAX	ANGLE: 114.05DEG	DIA

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

CERTIFICATIONS
DRIVER / LED CHIP
ACCESSORIES

		 60D DIFFUSER - PART#: HBRA7-60D-PMLN-150 90D DIFFUSER - PART#: HBRA7-90D-PMLN-150	 90D ALUMINUM REFLECTOR - PART#: HBRA7-90D-ALRF-150 90D PC REFLECTOR - PART#: HBRA7-90D-PCRF-150	 WIRE GUARD - PART#: HBRA7-WG-100/150 ADJ. YOKE MOUNT BRACKET - PART#: HBRA7-YM-100/150	 MICROWAVE SENSOR - PART#: HBRA7-W-SENMC MICROWAVE SENSOR RC - PART#: HBRA7-W-RC
--	---	--	---	---	--

ORDERING INFORMATION - HBRA7 SERIES

SERIES	SIZE	STYLE	WATTAGE	VOLTAGE	COLOR TEMP	MICROWAVE BASE	LENS	ANGLE	FINISH
E.G. HB	R	A7	150	W	4	MB	C	W	G
HB - HIGH BAY	R - ROUND	A7 -	150 = 150W	W - 120-347V	4- 4000K	MB - MICROWAVE BASE	C - CLEAR	W - WIDE	G - GRAY
		ARCHITECTURAL							

WHEN PURCHASING LENS/REFLECTORS OR MOUNTING OPTIONS, PLEASE REFERENCE PART NUMBER.
Head Office - 1850 Wilson Ave. · Toronto, ON · M9M 1A1 · **Tel:** 416.741.7336 · **Fax:** 416.741.9104

Toll Free: in Canada. 1.800.661.9610 · in USA. 1.888.762.5384 (SOCKETS4U)

www.etlin-daniels.com · For sales/service questions - sales@etlin.com