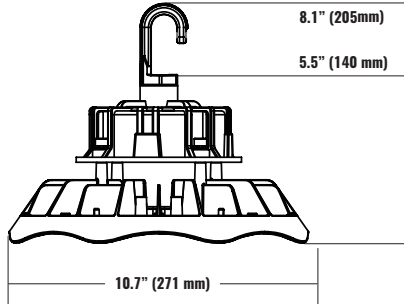


PRODUCT CODE: HBRA7-150351-CW-G

150W LED ARCHITECTURAL HIGH BAY/ROUND



## PRODUCT DESCRIPTION

Etlin-Daniels is pleased to introduce their latest HBRA7 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 easily be modified by choosing one of the many 60° & 90° options using refractors, and either aluminum or prismatic bells. Efficacy levels are between 151.5lm/w and 166lm/w, depending on the voltage and wattage chosen, and we now have a high performance Microwave Sensor option that offers multiple forms of on/off and dimming functions, coupled with daylight priority lux level settings – all easily programmed 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 & 347-480V. 4000K and 5000K color temps.

## FEATURES

- LED Indoor light source
- Light-weight pure aluminum, reduced size housings
- Suspension or precision yoke mounting
- 10' power cord standard
- 110° beam pattern with 60° & 90° beam options using refractors, and aluminum or prismatic bells
- Microwave sensor with remote control optional
- 1-10V Continuous Dimming
- >80CRI
- 120-277V & 347-480V // 4000K & 5000K
- 4kv Surge Protection built in.
- IP65 Wet Location Rated
- 5 year warranty
- L70 – 50,000 hours
- DLC5.0

## PRODUCT SPECIFICATIONS (OPTICAL DATA)

## PRODUCT SPECIFICATIONS (ELECTRICAL 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	158.8 LM/W	23,818LM	5000K	110°	>80CRI	>92%	AC347V-480V	50-60HZ	>90%	>0.96	<5.70%

## 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	- 45°C/+45°C - 49°F/+113°F	10.7 X 10.7 X 8.1 INCHES (271 X 271 X 205 MM)	13.79 X 13.79 X 8.35 INCHES (350 X 350 X 212 MM)



## ADDITIONAL INFORMATION

INSTALLATION METHOD

FIXTURE COLOR

CONTROL TYPE

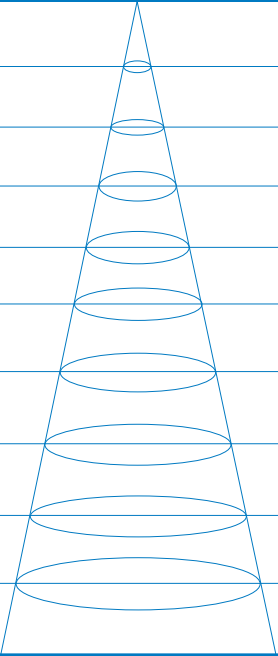
SUSPENSION/YOKE

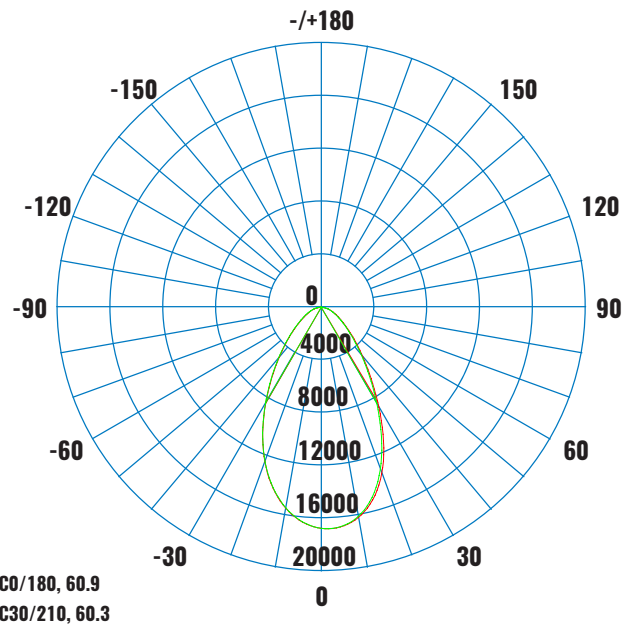
GRAY FINISH

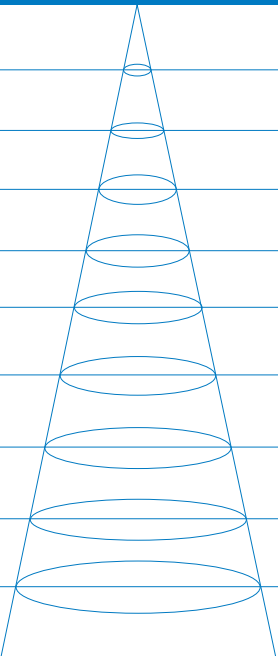
1-10V CONTINUOUS DIMMING

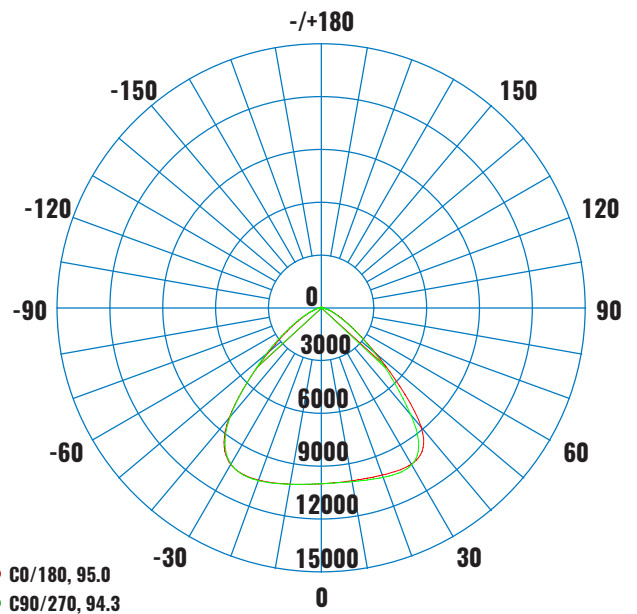
**PRODUCT CODE: HBRA7-150351-CW-G**
**150W LED ARCHITECTURAL HIGH BAY/ROUND**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 60D PMLN**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 10,880LM**

3.28FT 1M	9593,16767LX		3.79FT 115.51CM
6.56FT 2M	2398,4192LX		7.58FT 231.02CM
9.84FT 3M	1066,1863LX		11.37FT 346.52CM
13.12FT 4M	599.5,1048LX		15.16FT 462.03CM
16.40FT 5M	383.7,670.7LX		18.95FT 577.54CM
19.69FT 6M	266.5,465.8LX		22.74FT 693.05CM
22.97FT 7M	195.8,342.2LX		26.53FT 808.56CM
26.25FT 8M	149.9,262.0LX		30.32FT 924.06CM
29.52FT 9M	118.4,207.0LX		34.11FT 1039.57CM
32.80FT 10M	95.93,167.7LX		37.90FT 1155.08CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 60.02DEG</b>	<b>DIA</b>

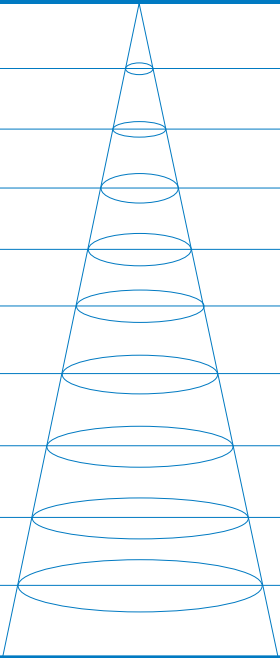
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**AVERAGE BEAM ANGLE(50%) - 60.6DEG**
**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PMLN**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,296LM**

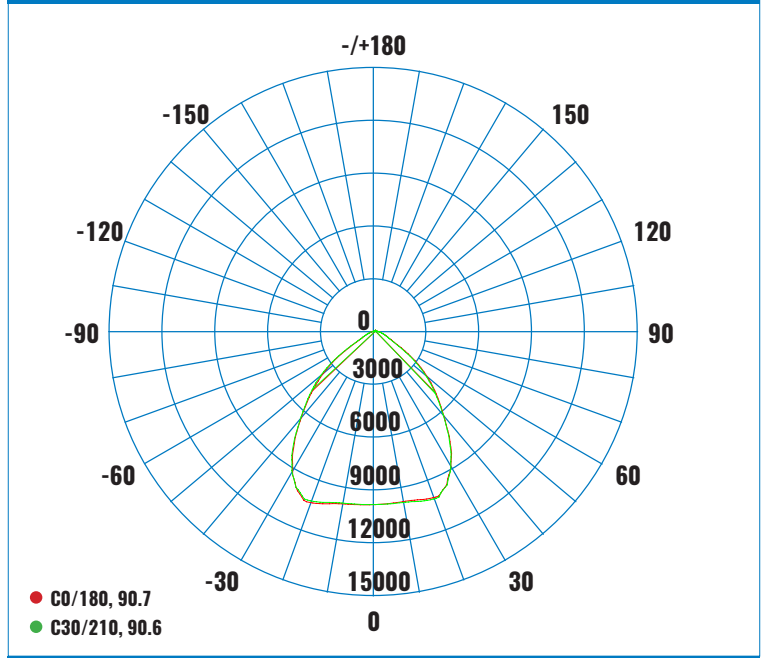
3.28FT 1M	4721,9913LX		7.07FT 215.44CM
6.56FT 2M	1180,2478LX		14.14FT 430.88CM
9.84FT 3M	524.6,1101LX		21.21FT 646.33CM
13.12FT 4M	295.1,619.5LX		28.27FT 861.77CM
16.40FT 5M	188.9,396.5LX		35.34FT 1077.21CM
19.69FT 6M	131.2,275.4LX		42.41FT 1292.65CM
22.97FT 7M	96.36,202.3LX		49.48FT 1508.10CM
26.25FT 8M	73.77,154.9LX		56.55FT 1723.54CM
29.52FT 9M	58.29,122.4LX		63.61FT 1938.98CM
32.80FT 10M	47.21,99.13LX		70.68FT 2154.42CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 94.26DEG</b>	<b>DIA</b>

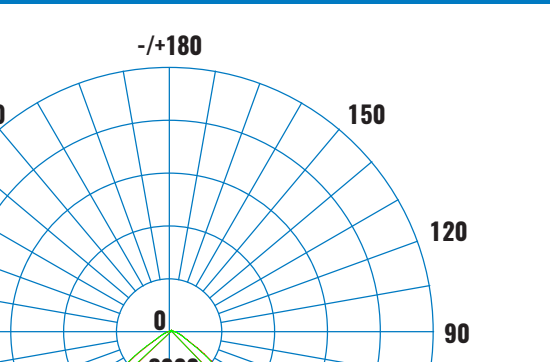
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**AVERAGE BEAM ANGLE(50%) - 94.7 DEG**

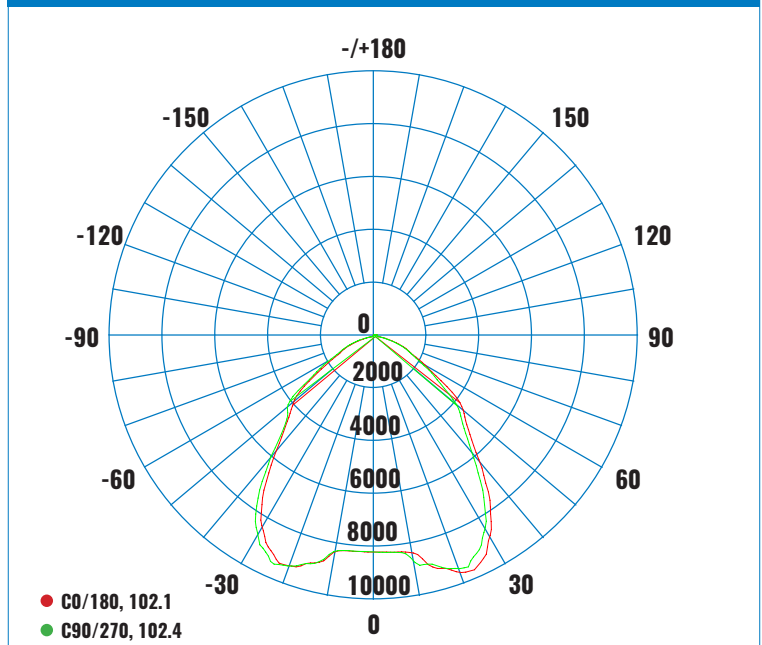
**PRODUCT CODE: HBRA7-150351-CW-G**
**150W LED ARCHITECTURAL HIGH BAY/ROUND**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D ALRF**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 15,519LM**

3.28FT 1M	4607,9872LX		6.65FT 202.61 CM
6.56FT 2M	1152,2468LX		13.29FT 405.22 CM
9.84FT 3M	511.9,1097LX		19.94FT 607.83 CM
13.12FT 4M	287.9,617.0LX		26.59FT 810.44 CM
16.40FT 5M	184.3,349.9LX		33.24FT 1013.05 CM
19.69FT 6M	128.0,274.2LX		39.88FT 1215.66 CM
22.97FT 7M	94.02,201.5LX		46.53FT 1418.27 CM
26.25FT 8M	71.98,154.2LX		53.18FT 1620.88 CM
29.52FT 9M	56.87,121.9LX		59.83FT 1823.49 CM
32.80FT 10M	46.07,98.72LX		66.47FT 2026.10 CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 90.74DEG</b>	<b>DIA</b>

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**AVERAGE BEAM ANGLE(50%) - 90.8 DEG**
**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PCRF**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 16,900LM**

3.28FT 1M	3284,8470LX		8.12FT 247.43CM
6.56FT 2M	820.9,2118LX		16.24FT 494.85CM
9.84FT 3M	364.9,941.1LX		24.35FT 742.28CM
13.12FT 4M	205.2,529.4LX		32.47FT 989.70CM
16.40FT 5M	131.3,338.8LX		40.58FT 1237.13CM
19.69FT 6M	91.21,235.3LX		48.71FT 1484.55CM
22.97FT 7M	67.01,172.9LX		56.82FT 1731.98CM
26.25FT 8M	51.31,132.3LX		64.94FT 1979.40CM
29.52FT 9M	40.54,104.6LX		73.06FT 2226.83CM
32.80FT 10M	32.84,84.70LX		81.18FT 2474.25CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 102.10DEG</b>	<b>DIA</b>

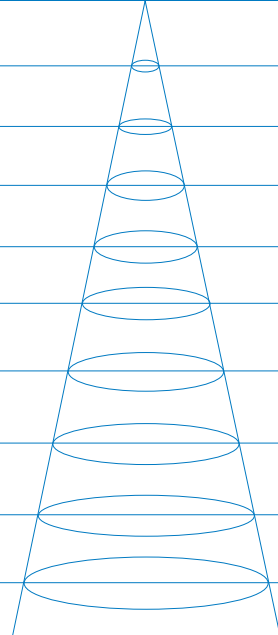
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**AVERAGE BEAM ANGLE(50%) - 102.3 DEG**

**PRODUCT CODE: HBRA7-150351-CW-G**

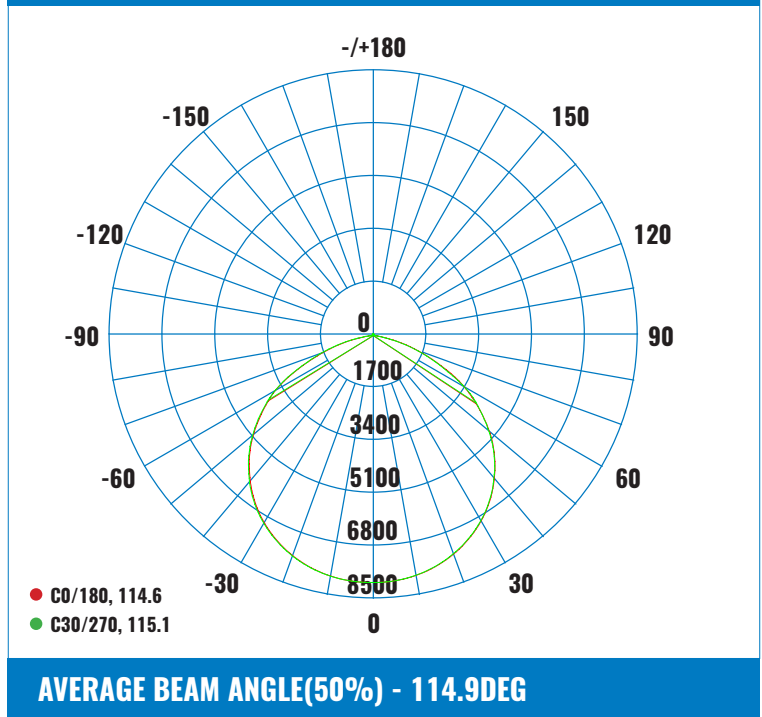
**150W LED ARCHITECTURAL HIGH BAY/ROUND**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 110D STANDARD**

**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 18,330LM**

3.28FT 1M	2278,8225LX		10.22FT 311.50 CM
6.56FT 2M	569.6,2056LX		20.44FT 623.00 CM
9.84FT 3M	253.1,913.9LX		30.66FT 934.50 CM
13.12FT 4M	142.4,514.1LX		40.88FT 1245.99 CM
16.40FT 5M	91.13,329.0LX		51.10FT 1557.49 CM
19.69FT 6M	63.28,228.5LX		61.32FT 1868.99 CM
22.97FT 7M	46.49,167.9LX		71.54FT 2180.49 CM
26.25FT 8M	35.60,128.5LX		81.76FT 2491.99 CM
29.52FT 9M	28.13,101.5LX		91.98FT 2803.49 CM
32.80FT 10M	22.78,82.25LX		109.20FT 3114.99 CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 114.59DEG</b>	<b>DIA</b>

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**CERTIFICATIONS**

**DRIVER / LED CHIP**

**ACCESSORIES**

		 <p><b>60D DIFFUSER - PART#: HBRA7-60D-PMLN-150</b> <b>90D DIFFUSER - PART#: HBRA7-90D-PMLN-150</b></p>	 <p><b>90D ALUMINUM REFLECTOR - PART#: HBRA7-90D-ALRF-150</b> <b>90D PC REFLECTOR - PART#: HBRA7-90D-PCRF-150</b></p>	 <p><b>WIRE GUARD - PART#: HBRA7-WG-100/150</b> <b>ADJ. YOKE MOUNT BRACKET - PART#: HBRA7-YM-100/150</b></p>	 <p><b>MICROWAVE SENSOR - PART#: HBRA7-SEMC-KIT</b> <b>MICROWAVE SENSOR RC - PART#: HBRA7-RC</b></p>
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**ORDERING INFORMATION - HBRA7 SERIES**

SERIES	SIZE	STYLE	WATTAGE	VOLTAGE	COLOR TEMP	DIMMABLE	MICROWAVE SENSOR (OPTIONAL)	LENS	ANGLE	FINISH
E.G. HB	R	A7	150	3	5	1	MS	C	W	G
HB - HIGH BAY	R - ROUND	A7 - ARCHITECTURAL	150 = 150W	3 = 347-480V	5= 5000K	1 = 1-10V CONTINUOUS DIMMING	MS - MICROWAVE SENSOR	C - CLEAR	W - WIDE	G - GRAY

**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

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