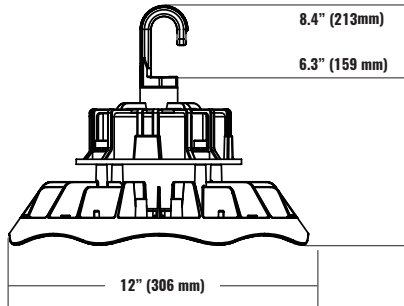


PRODUCT CODE: HBRA7-200U41-CW-G

200W 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	720 CHIPS	163.9 LM/W	32,772LM	4000K	110°	>80CRI	>91%	AC120V-277V	50-60HZ	>90%	>0.94	<9.38%

## PRODUCT SPECIFICATIONS

WATTAGE	FIXTURE MATERIAL	INGRESS PROTECT	LIFE SPAN	STORAGE TEMP	OPERATING TEMP	PRODUCT DIMENSIONS	CARTON SIZE
200W	ALUMINUM/PC LENS	IP65	>50,000 HOURS	- 40°C/+70°C - 40°F/+158°F	- 45°C/+45°C - 49°F/+113°F	12 X 12 X 8.4 INCHES (306 X 306 X 213 MM)	14.96 X 14.96 X 8.66 INCHES (380 X 380 X 220 MM)



## ADDITIONAL INFORMATION

INSTALLATION METHOD

FIXTURE COLOR

CONTROL TYPE

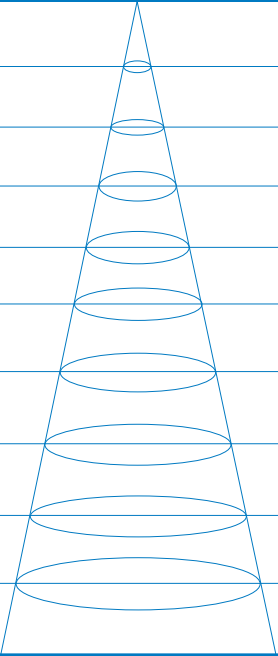
SUSPENSION/YOKE

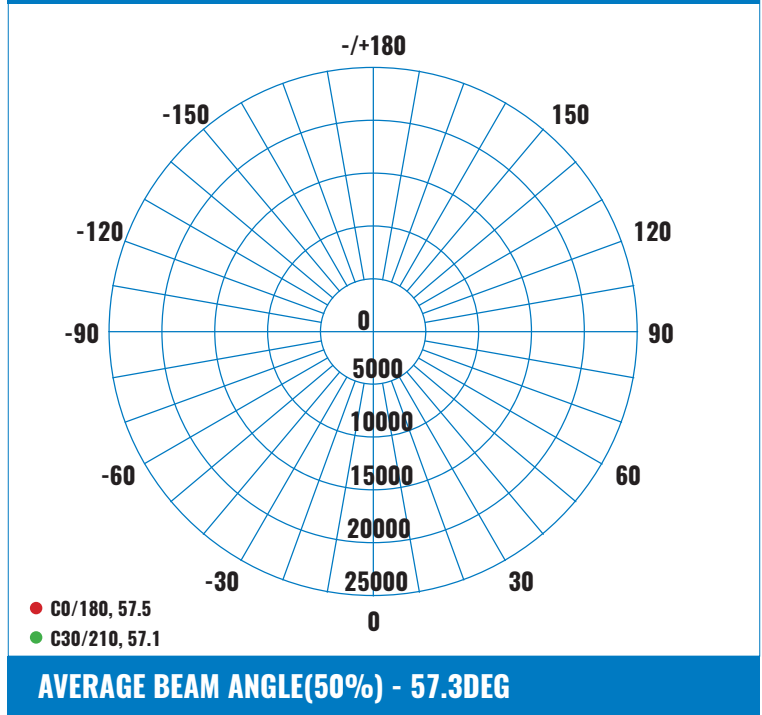
GRAY FINISH

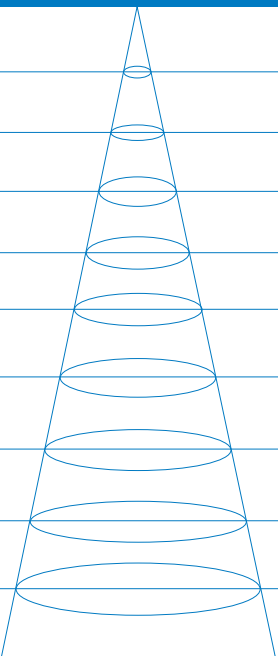
1-10V CONTINUOUS DIMMING

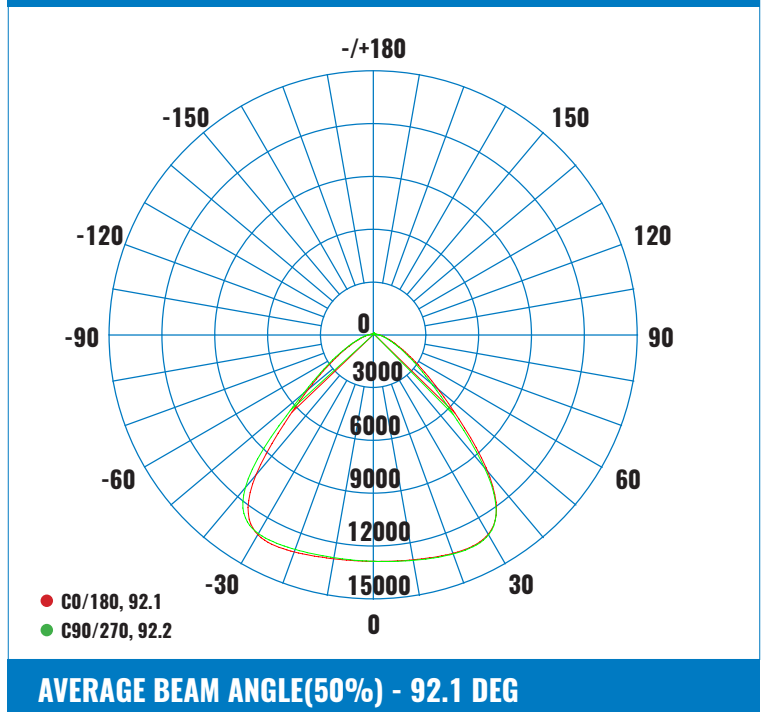
**PRODUCT CODE: HBRA7-200U41-CW-G**
**200W LED ARCHITECTURAL HIGH BAY/ROUND**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 60D PMLN**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 13,172LM**

3.28FT 1M	13645,22986LX		3.52FT 107.15CM
6.56FT 2M	3411,5747LX		7.03FT 214.29CM
9.84FT 3M	1516,2554LX		10.55FT 321.44CM
13.12FT 4M	852.8,1437LX		14.06FT 428.58CM
16.40FT 5M	545.9,919.4LX		17.58FT 535.73CM
19.69FT 6M	379.0,638.5LX		21.09FT 642.87CM
22.97FT 7M	278.5,469.1LX		24.61FT 750.02CM
26.25FT 8M	213.2,359.2LX		28.12FT 857.16CM
29.52FT 9M	168.5,238.8LX		31.64FT 964.31CM
32.80FT 10M	136.5,229.9LX		35.15FT 1071.45CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 56.36DEG</b>	<b>DIA</b>

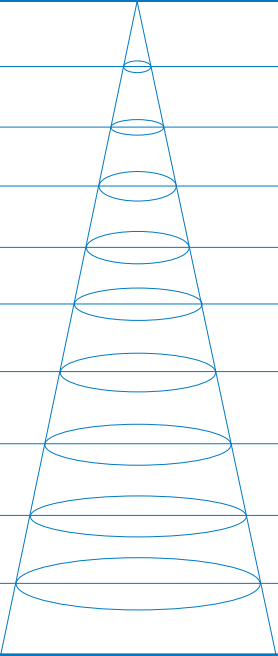
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PMLN**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 23,136LM**

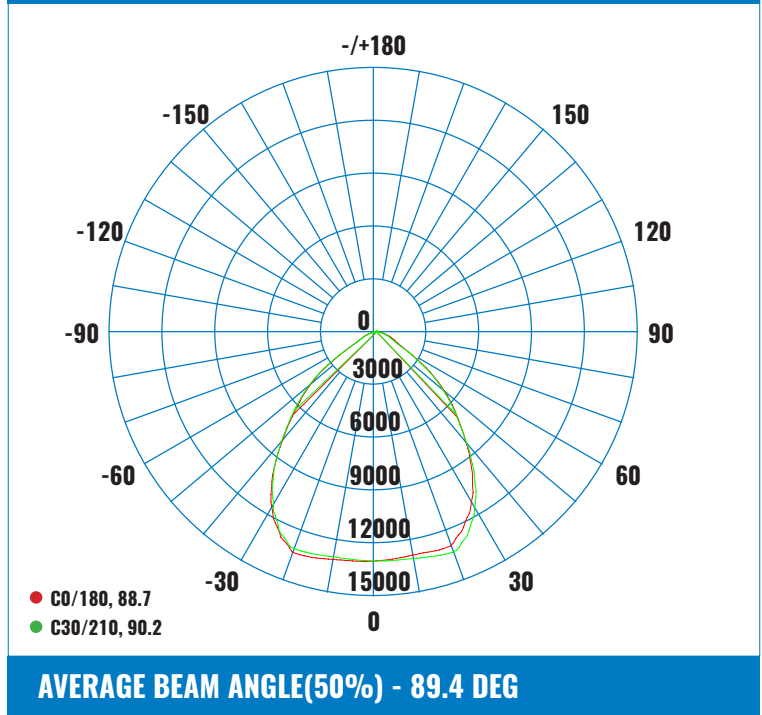
3.28FT 1M	6404,13137LX		6.80FT 207.41CM
6.56FT 2M	1601,3284LX		13.61FT 414.81CM
9.84FT 3M	711.5,1460LX		20.41FT 622.22CM
13.12FT 4M	400.2,821.1LX		27.22FT 829.62CM
16.40FT 5M	256.2,525.5LX		34.02FT 1037.03CM
19.69FT 6M	177.9,364.9LX		40.83FT 1244.43CM
22.97FT 7M	130.7,268.1LX		47.63FT 1451.84CM
26.25FT 8M	100.1,205.3LX		54.44FT 1659.24CM
29.52FT 9M	79.06,162.2LX		61.24FT 1866.65CM
32.80FT 10M	64.04,131.4LX		68.05FT 2074.06CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 92.08DEG</b>	<b>DIA</b>

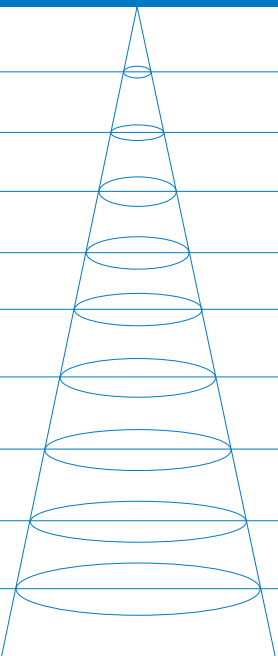
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**


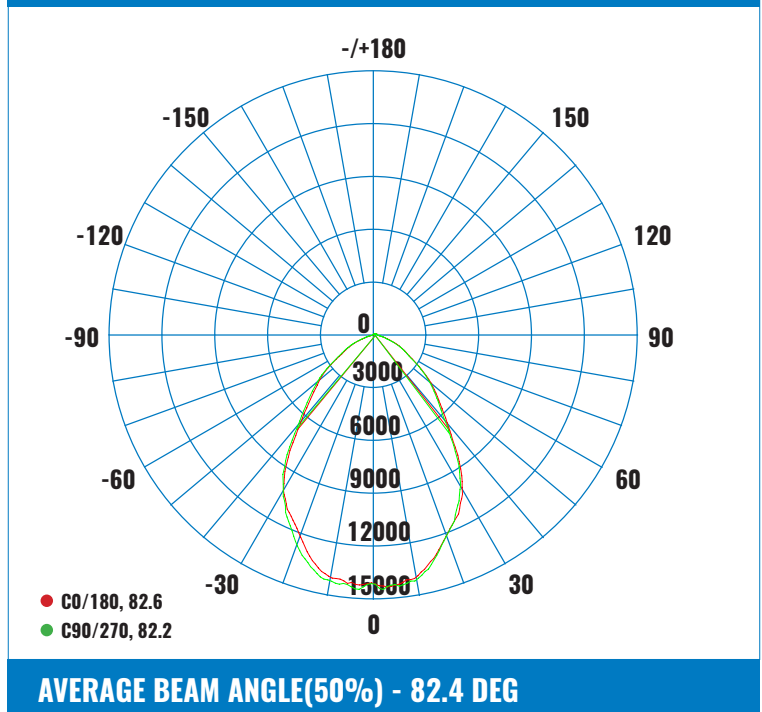
**PRODUCT CODE: HBRA7-200U41-CW-G**
**200W LED ARCHITECTURAL HIGH BAY/ROUND**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D ALRF**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 19,458LM**

3.28FT 1M	6194,13038LX		6.55FT 199.66 CM
6.56FT 2M	1548,3260LX		13.10FT 399.32 CM
9.84FT 3M	688.2,1449LX		19.65FT 598.99 CM
13.12FT 4M	387.1,814.9LX		26.20FT 798.65 CM
16.40FT 5M	247.7,521.5LX		32.75FT 998.31 CM
19.69FT 6M	172.0,362.2LX		39.30FT 1197.97 CM
22.97FT 7M	126.4,266.1LX		45.85FT 1397.63 CM
26.25FT 8M	96.78,203.7LX		52.40FT 1597.30 CM
29.52FT 9M	76.47,161.01LX		58.96FT 1796.96 CM
32.80FT 10M	61.94,130.4LX		65.51FT 1996.62 CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 89.90DEG</b>	<b>DIA</b>

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**

**LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PCRF**
**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 17,728LM**

3.28FT 1M	6961,14581LX		5.73FT 174.58CM
6.56FT 2M	1740,3645LX		11.46FT 349.15CM
9.84FT 3M	773.4,1620LX		17.18FT 523.73CM
13.12FT 4M	435.0,911.3LX		22.91FT 698.30CM
16.40FT 5M	134.2,329.9LX		28.64FT 872.88CM
19.69FT 6M	93.17,229.1LX		34.37FT 1047.46CM
22.97FT 7M	68.46,168.3LX		40.09FT 1222.03CM
26.25FT 8M	52.41,128.9LX		45.82FT 1396.61CM
29.52FT 9M	41.41,101.8LX		51.55FT 1571.18CM
32.80FT 10M	33.54,82.48LX		57.28FT 1745.76CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 82.23DEG</b>	<b>DIA</b>

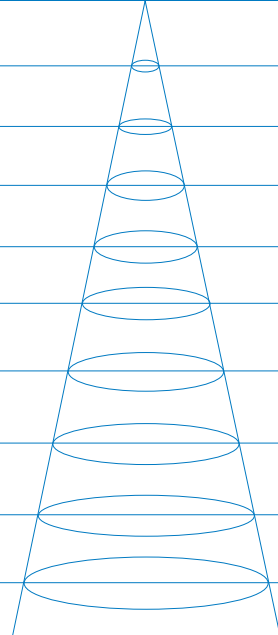
**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**


**PRODUCT CODE: HBRA7-200U41-CW-G**

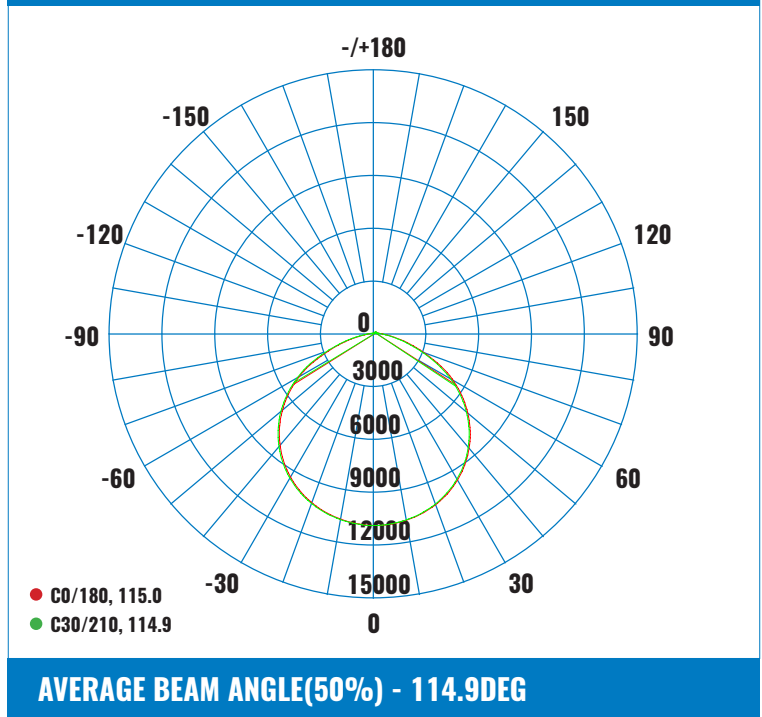
**200W LED ARCHITECTURAL HIGH BAY/ROUND**

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

**ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 24,192LM**

3.28FT 1M	3007,10920LX		10.14FT 309.06 CM
6.56FT 2M	751.7,2730LX		20.28FT 618.12 CM
9.84FT 3M	334.1,1213LX		30.42FT 927.18 CM
13.12FT 4M	187.9,682.5LX		40.56FT 1236.24 CM
16.40FT 5M	120.3,436.8LX		50.70FT 1545.30 CM
19.69FT 6M	83.52,303.3LX		60.84FT 1854.36 CM
22.97FT 7M	61.36,222.8LX		70.98FT 2163.42 CM
26.25FT 8M	46.98,170.6LX		81.12FT 2472.48 CM
29.52FT 9M	37.12,134.8LX		91.26FT 2781.54 CM
32.80FT 10M	30.07,109.2LX		101.40FT 3090.60 CM
<b>HT</b>	<b>EAVG/EMAX</b>	<b>ANGLE: 114.18DEG</b>	<b>DIA</b>

**LUMINOUS INTENSITY DISTRIBUTION DIAGRAM**



**CERTIFICATIONS**

**DRIVER / LED CHIP**

**ACCESSORIES**

		 <p><b>60D DIFFUSER - PART#:</b> HBRA7-60D-PMLN-200/240 <b>90D DIFFUSER - PART#:</b> HBRA7-90D-PMLN-200/240</p>	 <p><b>90D ALUM REFLECTOR - PART#:</b> HBRA7-90D-ALRF-200/240 <b>90D PC REFLECTOR - PART#:</b> HBRA7-90D-PCRF-200/240</p>	 <p><b>WIRE GUARD - PART#:</b> HBRA7-WG-200/240 <b>ADJ. YOKE MOUNT BRACKET - PART#:</b> HBRA7-YM-200/240</p>	 <p><b>MICROWAVE SENSOR - PART#:</b> HBRA7-SENMK-KIT <b>MICROWAVE SENSOR RC - PART#:</b> HBRA7-RC</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	200	U	4	1	MS	C	W	G
HB - HIGH BAY	R - ROUND	A7 - ARCHITECTURAL	200 - 200W	U - 120-277V	4- 4000K	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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