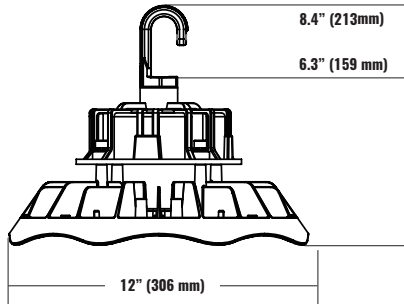


PRODUCT CODE: HBRA7-240U51-CW-G

240W 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	800 CHIPS	158 LM/W	37,911.4LM	5000K	110°	>80CRI	>91%	AC120V-277V	50-60HZ	>90%	>0.96	<6.61%

PRODUCT SPECIFICATIONS

WATTAGE	FIXTURE MATERIAL	INGRESS PROTECT	LIFE SPAN	STORAGE TEMP	OPERATING TEMP	PRODUCT DIMENSIONS	CARTON SIZE	
240W	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

SUSPENSION/YOKE

FIXTURE COLOR

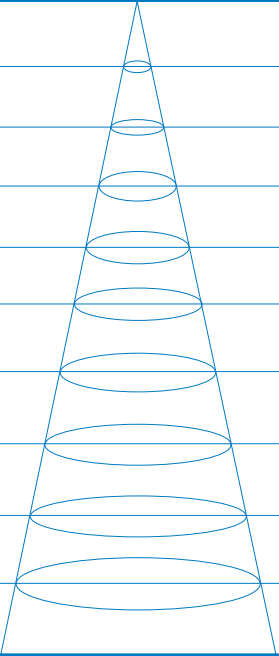
GRAY FINISH

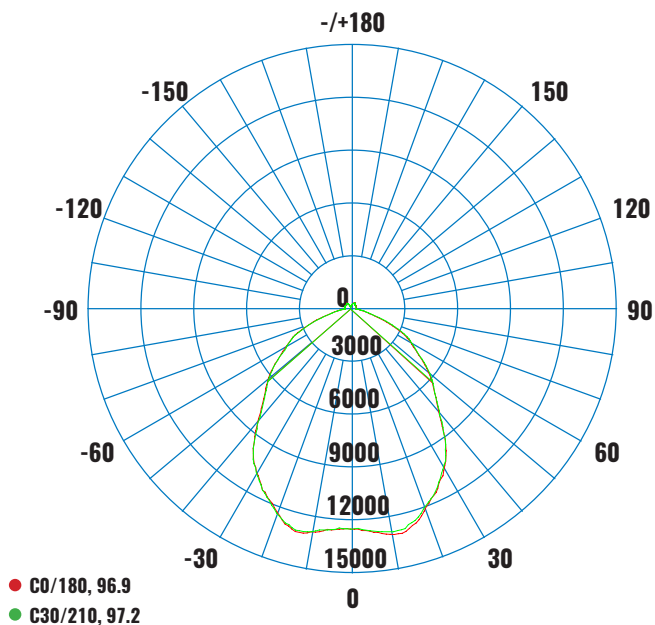
CONTROL TYPE

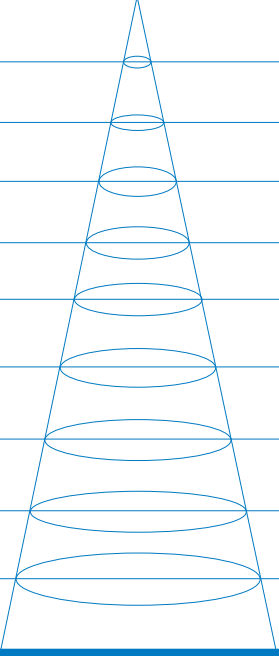
1-10V CONTINUOUS DIMMING

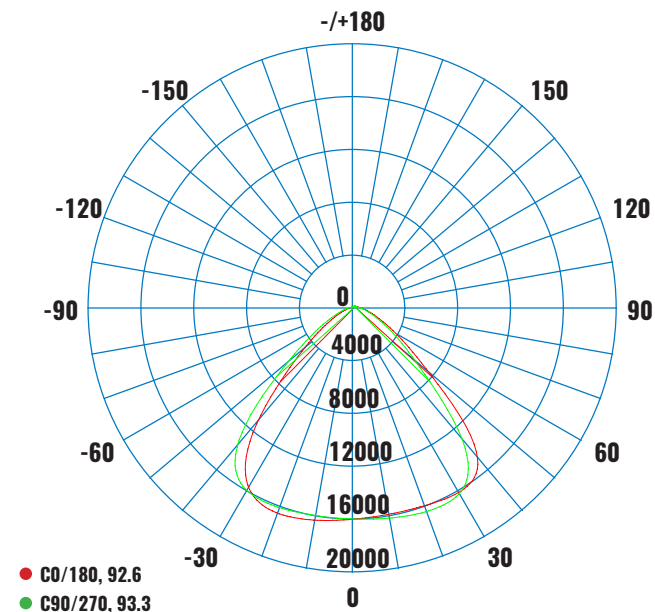
PRODUCT CODE: HBRA7-240U51-CW-G
240W LED ARCHITECTURAL HIGH BAY/ROUND

LUMINAIRE PHOTOMETRIC (TEST REPORT) - 60D PMLN
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,815LM

3.28FT 1M	5007,12672LX		7.38FT 224.85CM
6.56FT 2M	1252,3168LX		14.75FT 449.71CM
9.84FT 3M	556.3,1408LX		22.13FT 674.56CM
13.12FT 4M	312.9,792.0LX		29.51FT 899.42CM
16.40FT 5M	200.3,506.9LX		36.89FT 1124.27CM
19.69FT 6M	139.1,352.0LX		44.26FT 1349.13CM
22.97FT 7M	102.2,258.6LX		51.64FT 1573.98CM
26.25FT 8M	78.23,198.0LX		59.02FT 1798.84CM
29.52FT 9M	61.81,156.4LX		66.39FT 2023.69CM
32.80FT 10M	50.07,126.7LX		73.77FT 2248.55CM
HT	EAVG/EMAX	ANGLE: 96.70DEG	DIA

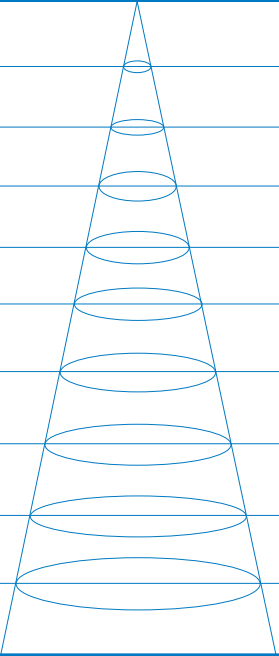
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 97.1DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PMLN
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 28,231LM

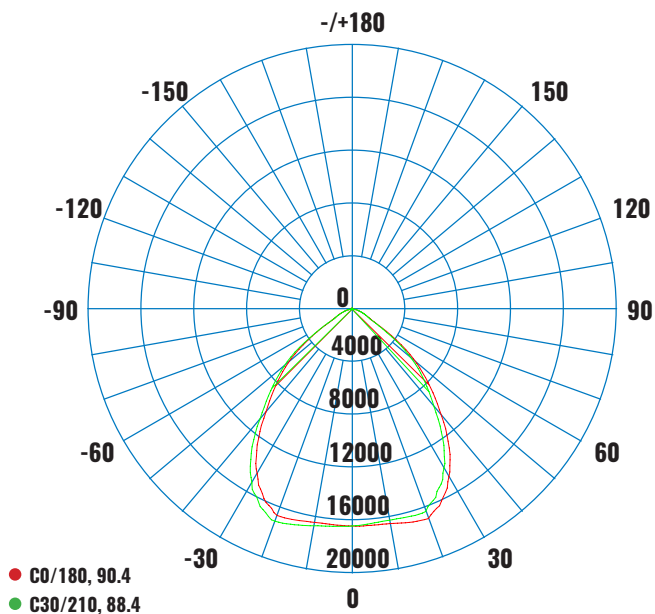
3.28FT 1M	7814,16029LX		6.87FT 209.44CM
6.56FT 2M	1954,4007LX		13.74FT 418.89CM
9.84FT 3M	868.3,1781LX		20.61FT 628.33CM
13.12FT 4M	488.4,1002LX		27.16FT 827.78CM
16.40FT 5M	312.6,641.2LX		34.36FT 1047.22CM
19.69FT 6M	217.1,445.3LX		41.23FT 1256.66CM
22.97FT 7M	159.5,327.1LX		48.10FT 1466.11CM
26.25FT 8M	122.1,250.5LX		54.97FT 1675.55CM
29.52FT 9M	96.47,197.9LX		61.84FT 1885.00CM
32.80FT 10M	78.14,160.3LX		68.72FT 2094.44CM
HT	EAVG/EMAX	ANGLE: 92.64DEG	DIA

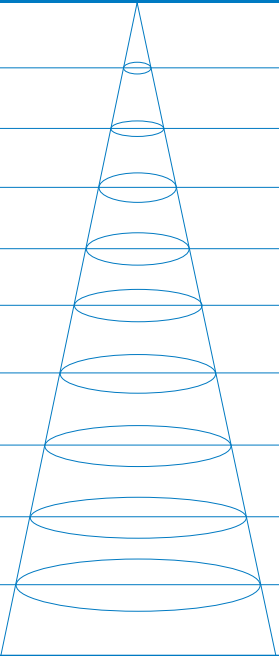
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 93.0 DEG

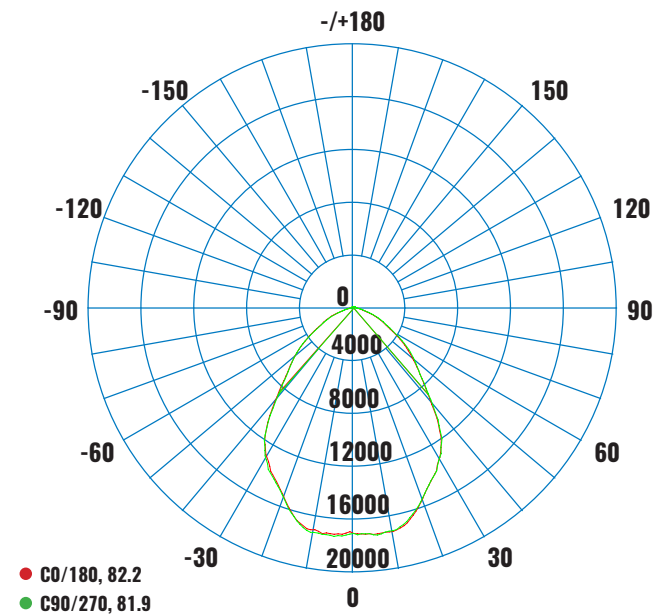
PRODUCT CODE: HBRA7-240U51-CW-G
240W LED ARCHITECTURAL HIGH BAY/ROUND

LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D ALRF
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 24,864LM

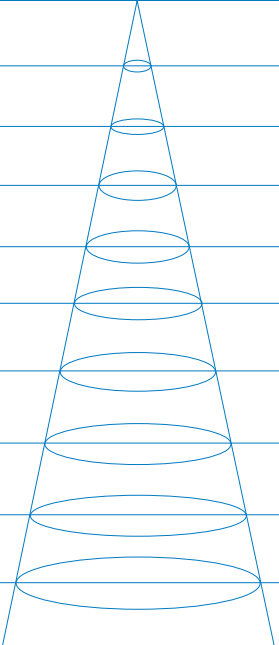
3.28FT 1M	7915,16645LX		6.38FT 194.43 CM
6.56FT 2M	1979,4161LX		12.76FT 388.85 CM
9.84FT 3M	879.4,1849LX		19.14FT 583.28 CM
13.12FT 4M	494.7,1040LX		25.51FT 777.70 CM
16.40FT 5M	316.6,665.8LX		31.89FT 972.13 CM
19.69FT 6M	219.8,462.4LX		38.27FT 1166.56 CM
22.97FT 7M	161.5,339.7LX		44.65FT 1360.98 CM
26.25FT 8M	123.7,260.1LX		51.03FT 1555.41 CM
29.52FT 9M	97.71,205.5LX		57.41FT 1749.83 CM
32.80FT 10M	79.15,166.5LX		63.79FT 1944.26 CM
HT	EAVG/EMAX	ANGLE: 88.38DEG	DIA

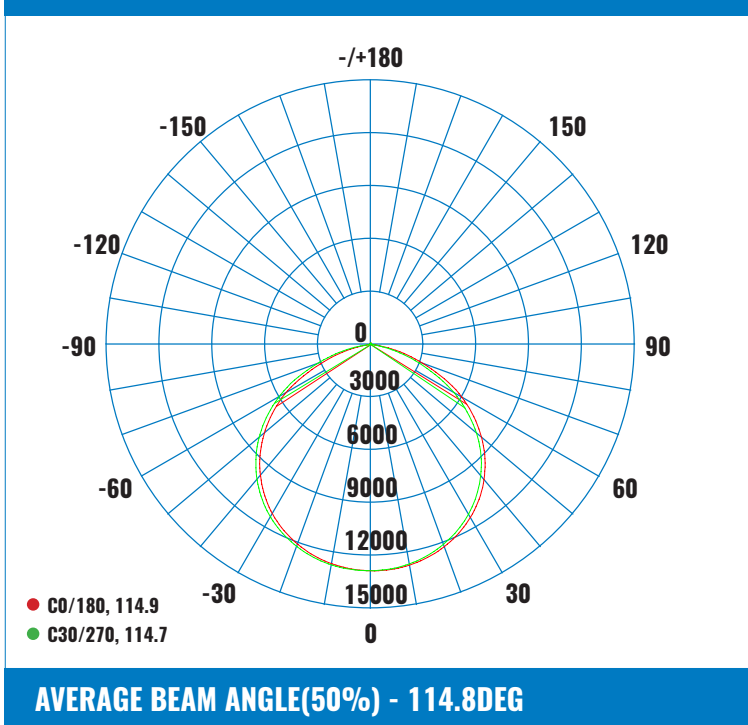
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 89.4 DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PCRF
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 20,935LM

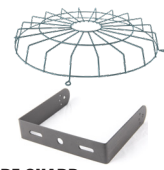
3.28FT 1M	8819,17523LX		5.70FT 173.72CM
6.56FT 2M	2205,4381LX		11.40FT 347.43CM
9.84FT 3M	979.9,1947LX		17.10FT 521.15CM
13.12FT 4M	551.2,1095LX		22.80FT 694.87CM
16.40FT 5M	352.7,700.9LX		28.49FT 868.59CM
19.69FT 6M	245.0,486.8LX		34.20FT 1042.30CM
22.97FT 7M	180.0,357.6LX		39.90FT 1216.02CM
26.25FT 8M	137.8,273.8LX		45.60FT 1389.74CM
29.52FT 9M	108.9,216.3LX		51.29FT 1563.45CM
32.80FT 10M	88.19,175.2LX		56.99FT 1737.17CM
HT	EAVG/EMAX	ANGLE: 81.95DEG	DIA

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 82.1 DEG

PRODUCT CODE: HBRA7-240U51-CW-G
240W LED ARCHITECTURAL HIGH BAY/ROUND
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 110D STANDARD
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 28,811LM

3.28FT 1M	3868,13262LX		10.01FT 307.53 CM
6.56FT 2M	937.8,3233LX		20.18FT 615.06 CM
9.84FT 3M	416.8,1437LX		30.27FT 922.58 CM
13.12FT 4M	234.5,808.4LX		40.36FT 1230.11 CM
16.40FT 5M	150.0,517.4LX		50.45FT 1537.64 CM
19.69FT 6M	104.2,359.3LX		60.54FT 1845.17 CM
22.97FT 7M	76.56,264.0LX		70.63FT 2152.69 CM
26.25FT 8M	58.61,202.1LX		80.72FT 2460.22 CM
29.52FT 9M	46.31,159.7LX		90.81FT 2767.75 CM
32.80FT 10M	37.51,129.3LX		100.90FT 3075.28 CM
HT	EAVG/EMAX	ANGLE: 113.92DEG	DIA

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

CERTIFICATIONS
DRIVER / LED CHIP
ACCESSORIES

		 60D DIFFUSER - PART#: HBRA7-60D-PMLN-200/240 90D DIFFUSER - PART#: HBRA7-90D-PMLN-200/240	 90D ALUM REFLECTOR - PART#: HBRA7-90D-ALRF-200/240 90D PC REFLECTOR - PART#: HBRA7-90D-PCRF-200/240	 WIRE GUARD - PART#: HBRA7-WG-200/240 ADJ. YOKE MOUNT BRACKET - PART#: HBRA7-YM-200/240	 MICROWAVE SENSOR - PART#: HBRA7-SENMC-KIT MICROWAVE SENSOR RC - PART#: HBRA7-RC
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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	240	U	5	1	MS	C	W	G
HB - HIGH BAY	R - ROUND	A7 -	240 = 240W	U = 120-277V	5= 5000K	1 = 1-10V	MS -	C - CLEAR	W - WIDE	G - GRAY
		ARCHITECTURAL				CONTINUOUS DIMMING	MICROWAVE SENSOR			

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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