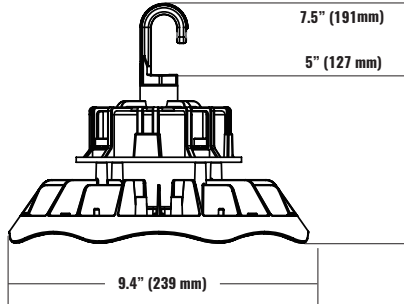


PRODUCT CODE: HBRA7-100U51-CW-G

100W 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 | 360 CHIPS | 154 LM/W | 15,401LM | 5000K | 110° | >80CRI | >90% | AC120V-277V | 50-60HZ | >90% | >0.90 | 11.80% |

PRODUCT SPECIFICATIONS

| WATTAGE | FIXTURE MATERIAL | INGRESS PROTECT | LIFE SPAN | STORAGE TEMP | OPERATING TEMP | PRODUCT DIMENSIONS | CARTON SIZE |
|---------|------------------|-----------------|---------------|-------------------------------|-------------------------------|--|---|
| 100W | ALUMINUM/PC LENS | IP65 | >50,000 HOURS | - 40°C/+70°C - 40°F/+158°F | - 45°C/+45°C - 49°F/+113°F | 9.4 X 9.4 X 7.5 INCHES (239 X 239 X 191 MM) | 12.2 X 12.2 X 7.48 INCHES (310 X 310 X 190 MM) |



ADDITIONAL INFORMATION

INSTALLATION METHOD

FIXTURE COLOR

CONTROL TYPE

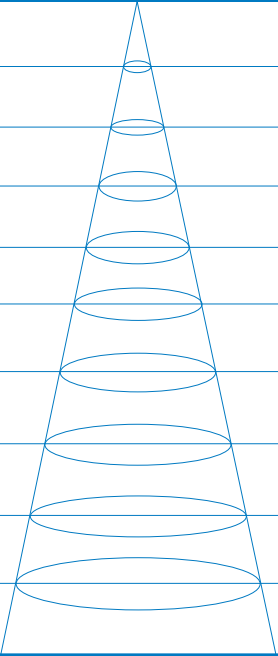
SUSPENSION/YOKE

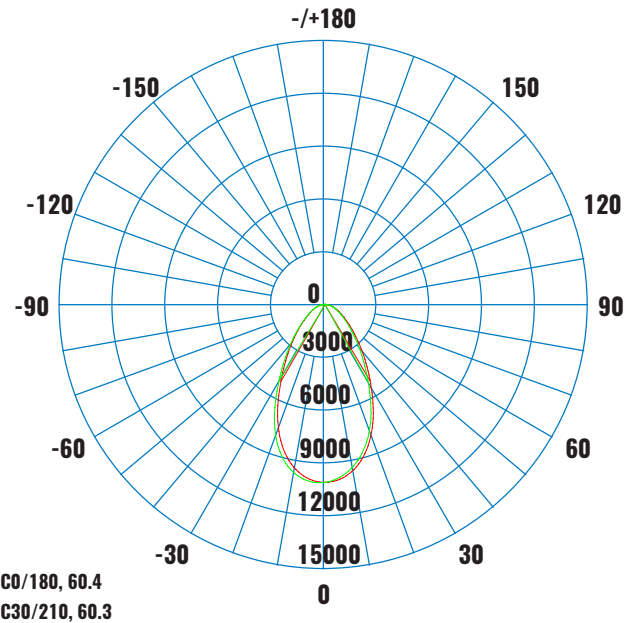
GRAY FINISH

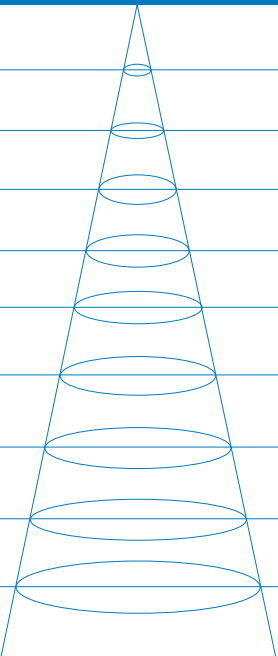
1-10V CONTINUOUS DIMMING

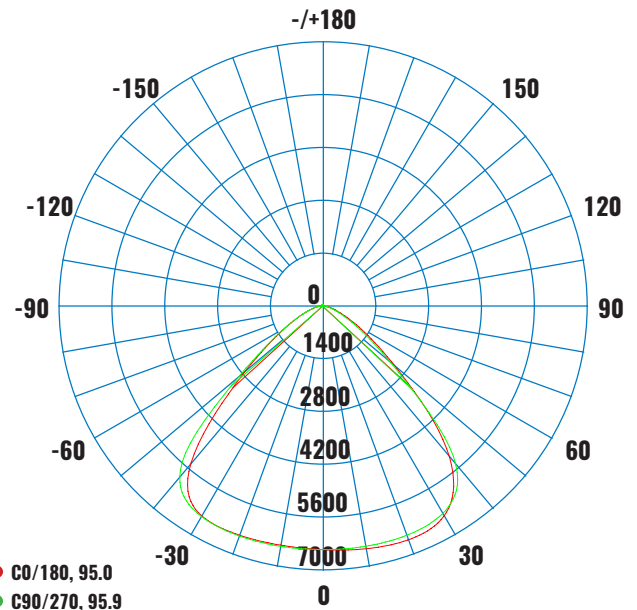
PRODUCT CODE: HBRA7-100U51-CW-G
100W LED ARCHITECTURAL HIGH BAY/ROUND

LUMINAIRE PHOTOMETRIC (TEST REPORT) - 60D PMLN
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 6,622LM

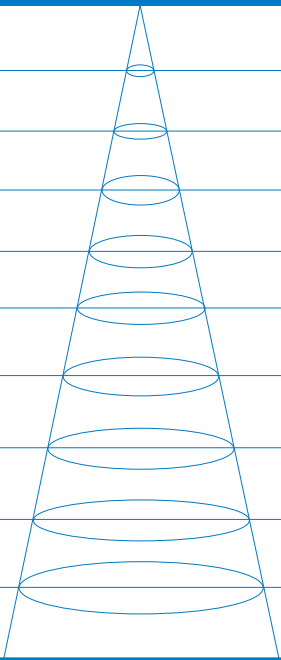
| | | | |
|----------------|------------------|--|----------------------|
| 3.28FT 1M | 6323,10625LX |  | 3.79FT 115.39CM |
| 6.56FT 2M | 1581,2656LX | | 7.57FT 230.78CM |
| 9.84FT 3M | 702.6,1181LX | | 11.36FT 346.18CM |
| 13.12FT 4M | 395.2,664.0LX | | 15.14FT 461.57CM |
| 16.40FT 5M | 252.9,425.0LX | | 18.93FT 576.96CM |
| 19.69FT 6M | 175.6,295.1LX | | 22.71FT 692.35CM |
| 22.97FT 7M | 129.0,216.8LX | | 26.50FT 807.74CM |
| 26.25FT 8M | 98.80,166.0LX | | 30.29FT 923.13CM |
| 29.52FT 9M | 78.06,131.2LX | | 34.07FT 1038.53CM |
| 32.80FT 10M | 63.23,106.2LX | | 37.86FT 1153.92CM |
| HT | EAVG/EMAX | ANGLE: 59.97DEG | DIA |

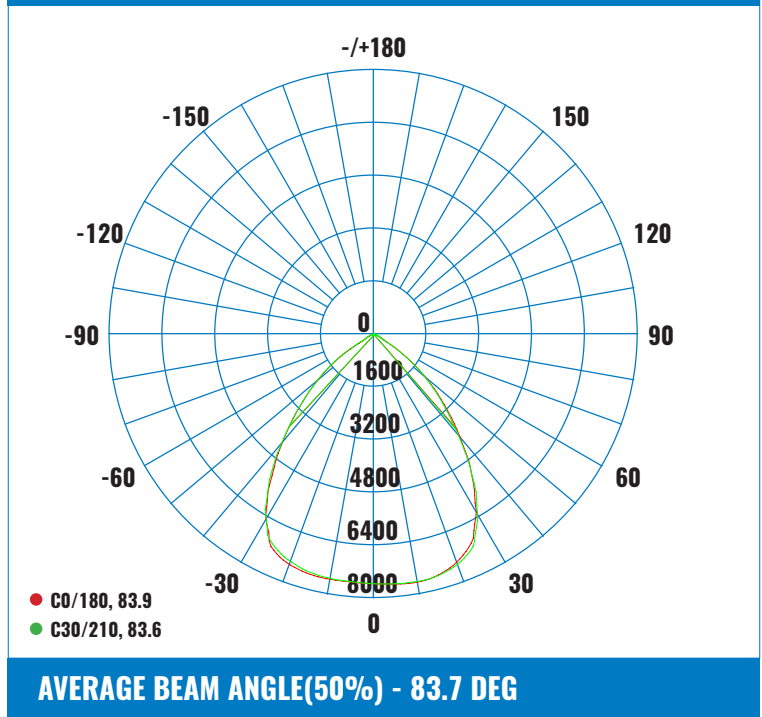
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 60.4DEG
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PMLN
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 12,074LM

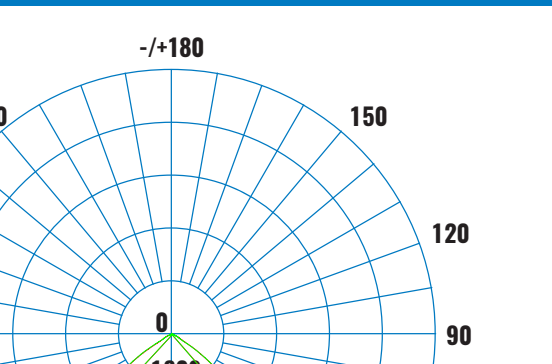
| | | | |
|----------------|------------------|---|----------------------|
| 3.28FT 1M | 3116,6590LX |  | 7.167FT 218.46CM |
| 6.56FT 2M | 779.0,1647LX | | 14.33FT 436.92CM |
| 9.84FT 3M | 346.2,732.2LX | | 21.50FT 655.38CM |
| 13.12FT 4M | 194.7,411.8LX | | 28.67FT 873.85CM |
| 16.40FT 5M | 124.6,263.6LX | | 35.84FT 1092.31CM |
| 19.69FT 6M | 86.55,183.0LX | | 43.00FT 1310.77CM |
| 22.97FT 7M | 63.59,134.5LX | | 50.17FT 1529.23CM |
| 26.25FT 8M | 48.69,103.0LX | | 57.34FT 1747.69CM |
| 29.52FT 9M | 38.47,81.35LX | | 64.51FT 1966.15CM |
| 32.80FT 10M | 31.16,65.90LX | | 71.67FT 2184.62CM |
| HT | EAVG/EMAX | ANGLE: 95.05DEG | DIA |

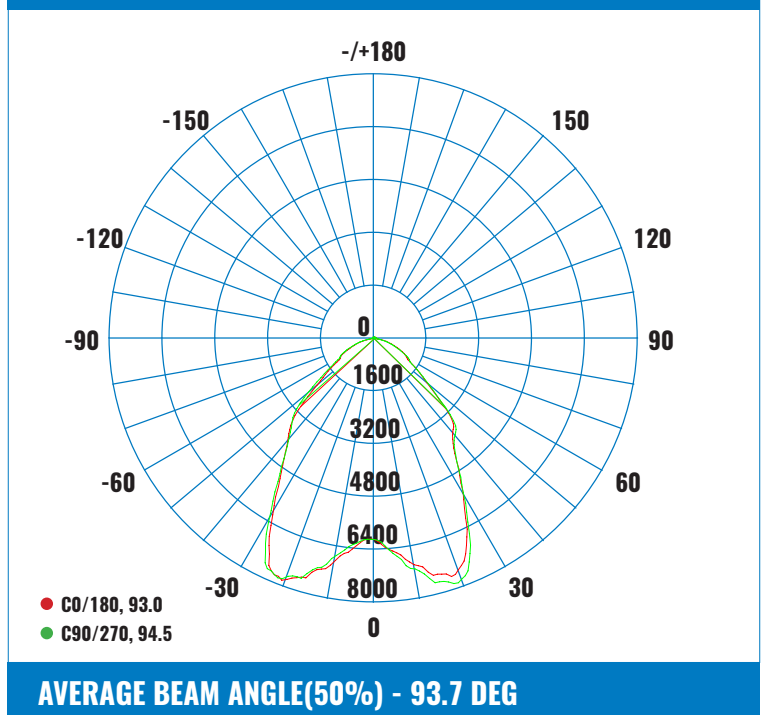
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE(50%) - 95.5 DEG

PRODUCT CODE: HBRA7-100U51-CW-G
100W LED ARCHITECTURAL HIGH BAY/ROUND
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D ALRF
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 10,276LM

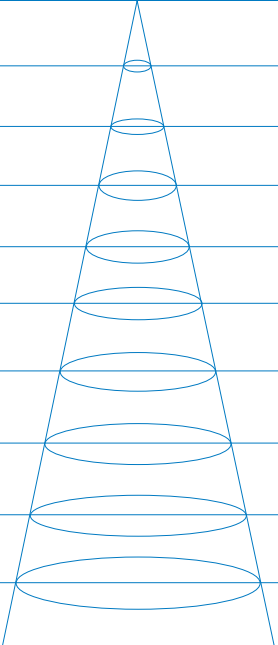
| | | | |
|----------------|------------------|--|-----------------------|
| 3.28FT 1M | 4034,7846LX |  | 5.84FT 178.02 CM |
| 6.56FT 2M | 1009,1962LX | | 11.68FT 356.03 CM |
| 9.84FT 3M | 448.3,871.8LX | | 17.52FT 534.05 CM |
| 13.12FT 4M | 252.2,490.4LX | | 23.36FT 712.07 CM |
| 16.40FT 5M | 161.4,313.8LX | | 29.20FT 890.08 CM |
| 19.69FT 6M | 112.1,217.9LX | | 35.04FT 1068.10 CM |
| 22.97FT 7M | 82.34,160.1LX | | 40.88FT 1246.12 CM |
| 26.25FT 8M | 63.04,122.6LX | | 46.72FT 1424.13 CM |
| 29.52FT 9M | 49.81,96.87LX | | 52.56FT 1602.15 CM |
| 32.80FT 10M | 40.34,78.46LX | | 58.40FT 1780.17 CM |
| HT | EAVG/EMAX | ANGLE: 83.34DEG | DIA |

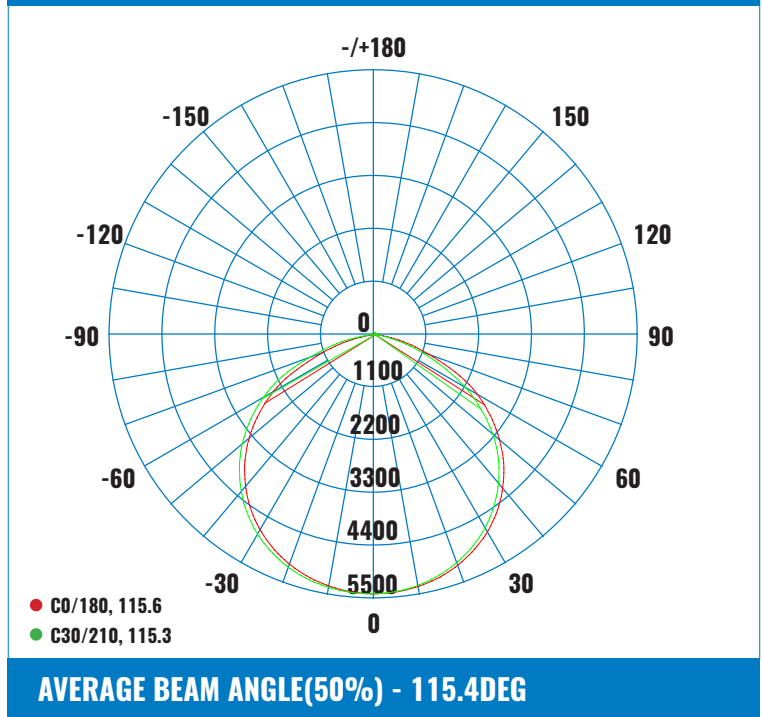
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

LUMINAIRE PHOTOMETRIC (TEST REPORT) - 90D PCRF
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 10,873LM

| | | | |
|----------------|------------------|---|----------------------|
| 3.28FT 1M | 3009,7037LX |  | 6.90FT 210.51CM |
| 6.56FT 2M | 752.4,1759LX | | 13.81FT 421.02CM |
| 9.84FT 3M | 334.4,781.9LX | | 20.72FT 631.52CM |
| 13.12FT 4M | 188.1,439.8LX | | 27.62FT 842.03CM |
| 16.40FT 5M | 120.4,281.5LX | | 34.53FT 1052.54CM |
| 19.69FT 6M | 83.60,195.5LX | | 41.43FT 1263.05CM |
| 22.97FT 7M | 61.42,143.6LX | | 48.35FT 1473.56CM |
| 26.25FT 8M | 47.02, 109.9LX | | 55.25FT 1684.06CM |
| 29.52FT 9M | 37.15,86.87LX | | 62.16FT 1894.57CM |
| 32.80FT 10M | 30.09,70.37LX | | 69.06FT 2105.08CM |
| HT | EAVG/EMAX | ANGLE: 92.93DEG | DIA |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM


PRODUCT CODE: HBRA7-100U51-CW-G
100W LED ARCHITECTURAL HIGH BAY/ROUND
LUMINAIRE PHOTOMETRIC (TEST REPORT) - 110D STANDARD
ILLUMINANCE (AT A DISTANCE) - FLUX OUT: 12,266LM

| | | | |
|----------------|------------------|--|-----------------------|
| 3.28FT 1M | 1524, 5500LX |  | 10.24FT 312.04CM |
| 6.56FT 2M | 381.1, 1375LX | | 20.47FT 624.07CM |
| 9.84FT 3M | 169.4, 611.1LX | | 30.72FT 936.11CM |
| 13.12FT 4M | 95.28, 343.8LX | | 40.95FT 1248.15CM |
| 16.40FT 5M | 60.98, 220.0LX | | 51.19FT 1560.19CM |
| 19.69FT 6M | 42.35, 152.8LX | | 61.43FT 1872.22CM |
| 22.97FT 7M | 31.11, 112.2LX | | 71.66FT 2184.26CM |
| 26.25FT 8M | 23.82, 85.94LX | | 81.90FT 2496.30CM |
| 29.52FT 9M | 18.82, 67.90LX | | 92.14FT 2808.34CM |
| 32.80FT 10M | 15.24, 55.00LX | | 102.37FT 3120.37CM |
| HT | EAVG/EMAX | ANGLE: 114.68DEG | DIA |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

CERTIFICATIONS
DRIVER / LED CHIP
ACCESSORIES

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

ORDERING INFORMATION - HBRA7 SERIES

| SERIES | SIZE | STYLE | WATTAGE | VOLTAGE | COLOR TEMP | DIMMABLE | MICROWAVE SENSOR (OPTIONAL) | LENS | ANGLE | FINISH |
|---------------|-----------|--------------------|------------|--------------|------------|---------------------------------|-----------------------------|-----------|----------|----------|
| E.G. HB | R | A7 | 100 | U | 5 | 1 | MS | C | W | G |
| HB - HIGH BAY | R - ROUND | A7 - ARCHITECTURAL | 100 - 100W | U - 120-277V | 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.

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