

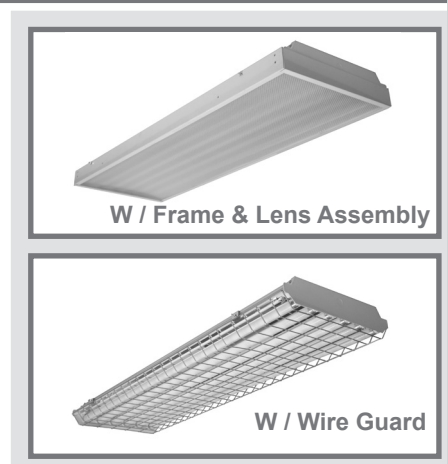


BAYLIGHTER™

HBN200 SERIES High Bay Luminaire



- High Bay Luminaire
- Quarter Turn Rotary Locking Sockets
- Removable Wiring Access Plate
- Stem, Cable or Chain Mountable
- Suitable for Damp Locations
- Available with:
 - Fluorescent, LED and LED T8 (Internally Driven)
 - 11ga. Wire Guard
 - Frame & Lens Assembly (Available in 4' Fixture Only)
 - 95% Enhanced Specular Aluminum Reflectors
 - Sensor
 - Emergency Battery Pack



Photometric Data and IES Files are Available on www.lalighting.com



LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731

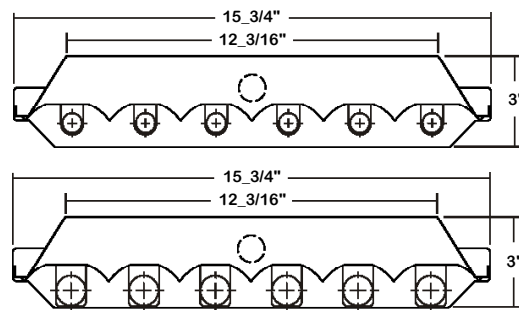
TEL : 626-454-8300 FAX : 626-454-8399

www.lalighting.com

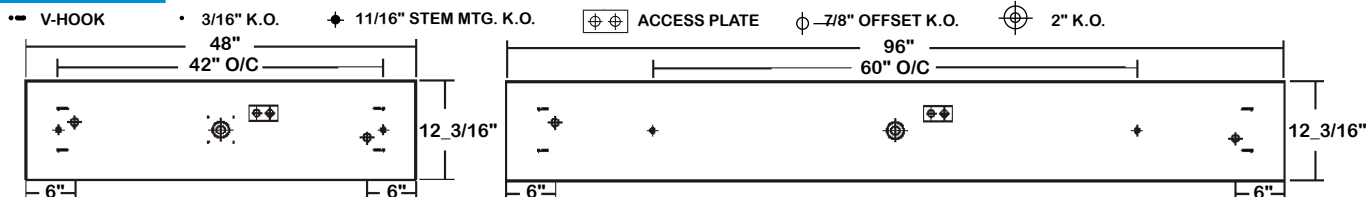


HBN200 SERIES

CROSS SECTION



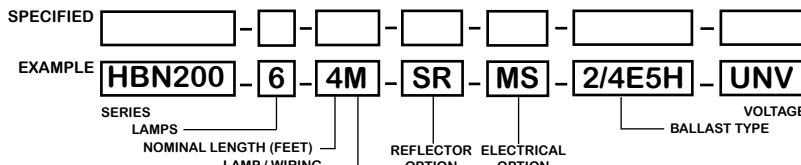
BACK PLATE



CATALOG NUMBER

| | NOMINAL LENGTH | TOTAL LAMPS | | NOMINAL LENGTH | TOTAL LAMPS |
|--------------|----------------|-------------|--------------|----------------|-------------|
| HBN200-3-4M | 4' | 3 | HBN200-3-4R | 4' | 3 |
| HBN200-3-8MT | 8' | 6 | HBN200-3-8RT | 8' | 6 |
| HBN200-4-4M | 4' | 4 | HBN200-4-4R | 4' | 4 |
| HBN200-4-8MT | 8' | 8 | HBN200-4-8RT | 8' | 8 |
| HBN200-5-4M | 4' | 5 | HBN200-5-4R | 4' | 5 |
| HBN200-5-8MT | 8' | 10 | HBN200-5-8RT | 8' | 10 |
| HBN200-6-4M | 4' | 6 | HBN200-6-4R | 4' | 6 |
| HBN200-6-8MT | 8' | 12 | HBN200-6-8RT | 8' | 12 |

ORDERING GUIDE



NOTE: LAMP/WIRING* M= Miniature Bi-Pin T5 MT= Miniature Bi-Pin T5, Tandem Wiring
 R = Medium Bi-Pin T8 RT = Medium Bi-Pin T8, Tandem Wiring

OPTIONS AND ACCESSORIES

| ● REFLECTOR OPTIONS | SUFFIX | ● BALLAST OPTIONS | SUFFIX | ● ACCESSORIES | CAT.NO. |
|-----------------------------------|--------|------------------------------|--------|------------------------------------|---------------|
| Specular Aluminum Reflector (95%) | SR | Electronic T5 | E5* | Wire Guard - 11 Ga. | WG11-HBN200 |
| White Aluminum Reflector (90%) | WR | Electronic T5HO | E5H | Fixture Suspension System | * |
| | | Electronic Step Dimming T5HO | ESDM5H | Ceiling Spacer | * |
| ● ELECTRICAL OPTIONS | SUFFIX | Electronic T8 | E8* | 6" Leg Height V-Hook | V6 |
| Emergency Battery Pack | BP* | Electronic Step Dimming T8 | ESDM8* | Frame with Clear Acrylic | F/CA-HBN200** |
| External Line Fusing (HLR/GLR) | ELF | | | Frame with Clear Prismatic Acrylic | F/PA-HBN200** |
| Radio Interference Filters | RIF | | | | |
| Motion Sensor | MS | | | | |

Note:
 *See appropriate reference page
 ** For 4' fixture only. Other lenses available upon request.
 Wire guard (WG11-HBN200) is not valid when frame & lens assembly is specified.

SPECIFICATIONS

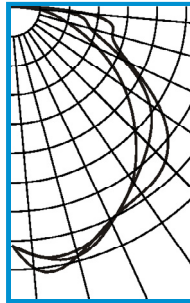
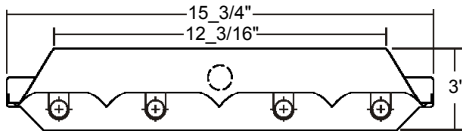
- **TYPE** High bay luminaire for surface, pendant, or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted with T5HO lamp.
- **CONSTRUCTION** 22 ga. die formed cold rolled steel housing with louvered vents for heat removal. Quarter turn rotary locking lampholders standard. (20 ga. C.R.S. and .040 aluminum housing available as specified).
- **REFLECTOR** Enhanced specular aluminum reflector standard, 95% reflectance. (White aluminum reflector available).
- **FINISH** Baked white polyester finish, minimum reflectance 86%.
- **WIRING** 120v 60Hz., 277v 60Hz., UNV (universal voltage 120v thru 277v.) or as otherwise specified.
- **LABELS** U.L. Listed. Suitable for damp locations.



PHOTOMETRIC DATA

HBN200-4-4M-SR-E5H

TEST NO.=LA-T1966
 LAMP TYPE=F54T5HO
 NO. OF LAMP=4
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

| ANGLE | END | 45 | CROSS |
|-------|------|------|-------|
| 0 | 4987 | 4987 | 4987 |
| 5 | 5217 | 5205 | 5494 |
| 15 | 5263 | 5386 | 5373 |
| 25 | 4929 | 4946 | 4904 |
| 35 | 4395 | 4448 | 4733 |
| 45 | 3631 | 4026 | 4528 |
| 55 | 2931 | 3503 | 3810 |
| 65 | 1966 | 2568 | 2673 |
| 75 | 1162 | 1691 | 2166 |
| 85 | 492 | 1131 | 1559 |
| 90 | 62 | 238 | 361 |
| 95 | 0 | 36 | 89 |
| 105 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 |

ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 4302 | 21.5 | 23.2 |
| 0-40 | 7132 | 35.7 | 38.4 |
| 0-60 | 13332 | 66.7 | 71.8 |
| 0-90 | 18474 | 92.4 | 99.5 |
| 90-120 | 95 | 0.5 | 0.5 |
| 90-150 | 95 | 0.5 | 0.5 |
| 90-180 | 95 | 0.5 | 0.5 |
| 0-180 | 18569 | 92.8 | 100.0 |

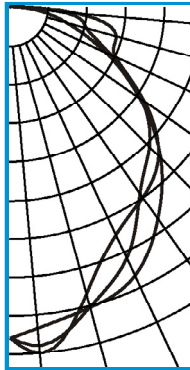
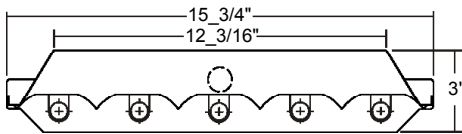
Lumen Output = 18569 lumens
 Luminaire Efficiency = 92.8%

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.36 | 1.45 |

HBN200-5-4M-SR-E5H

TEST NO.=LA-T1967
 LAMP TYPE=F54T5HO
 NO. OF LAMP=5
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

| ANGLE | END | 45 | CROSS |
|-------|------|------|-------|
| 0 | 8233 | 8233 | 8233 |
| 5 | 8013 | 8446 | 8645 |
| 15 | 7725 | 7697 | 7346 |
| 25 | 7350 | 6861 | 6223 |
| 35 | 6387 | 5607 | 5739 |
| 45 | 5268 | 4880 | 5199 |
| 55 | 3904 | 3968 | 4041 |
| 65 | 2587 | 2755 | 2867 |
| 75 | 1428 | 1945 | 2715 |
| 85 | 542 | 1272 | 1611 |
| 90 | 71 | 250 | 336 |
| 95 | 0 | 37 | 100 |
| 105 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 |

ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 6117 | 24.5 | 26.3 |
| 0-40 | 9783 | 39.1 | 42.1 |
| 0-60 | 17261 | 69.0 | 74.3 |
| 0-90 | 23128 | 92.5 | 99.6 |
| 90-120 | 98 | 0.4 | 0.4 |
| 90-150 | 98 | 0.4 | 0.4 |
| 90-180 | 98 | 0.4 | 0.4 |
| 0-180 | 23226 | 92.9 | 100.0 |

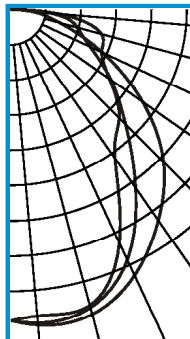
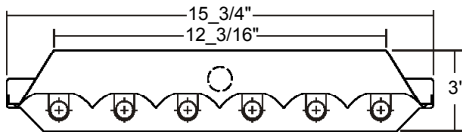
Lumen Output = 23226 lumens
 Luminaire Efficiency = 92.9%

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.24 | 1.07 |

HBN200-6-4M-SR-E5H

TEST NO.=LA-T1964
 LAMP TYPE=F54T5HO
 NO. OF LAMP=6
 LUMENS PER LAMP=5000
 WATTS PER LAMP=54
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

| ANGLE | END | 45 | CROSS |
|-------|-------|-------|-------|
| 0 | 10589 | 10589 | 10589 |
| 5 | 10778 | 10709 | 10461 |
| 15 | 10725 | 10483 | 10408 |
| 25 | 9949 | 9355 | 8698 |
| 35 | 8718 | 7358 | 6128 |
| 45 | 7311 | 5477 | 5187 |
| 55 | 5423 | 4118 | 4059 |
| 65 | 3384 | 2943 | 3390 |
| 75 | 1687 | 2314 | 3166 |
| 85 | 659 | 1310 | 1594 |
| 90 | 83 | 235 | 341 |
| 95 | 1 | 33 | 95 |
| 105 | 0 | 0 | 1 |
| 115 | 0 | 0 | 0 |
| 125 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 |

ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 8324 | 27.7 | 29.4 |
| 0-40 | 12966 | 43.2 | 45.8 |
| 0-60 | 21481 | 71.6 | 76.0 |
| 0-90 | 28187 | 94.0 | 99.7 |
| 90-120 | 94 | 0.3 | 0.3 |
| 90-150 | 94 | 0.3 | 0.3 |
| 90-180 | 94 | 0.3 | 0.3 |
| 0-180 | 28281 | 94.3 | 100.0 |

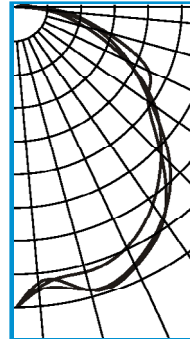
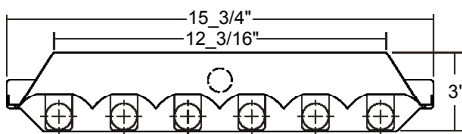
Lumen Output = 28281 lumens
 Luminaire Efficiency = 94.3%

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.29 | 1.15 |

HBN200-6-4R-SR-E8

TEST NO.=LA-T2031
 LAMP TYPE=FO32T8
 NO. OF LAMP=6
 LUMENS PER LAMP=2900
 WATTS PER LAMP=32
 BALLAST FACTOR=1
 PHOTOMETRY TYPE=C



CANDLEPOWER

| ANGLE | END | 45 | CROSS |
|-------|------|------|-------|
| 0 | 4802 | 4802 | 4802 |
| 5 | 4476 | 4531 | 4399 |
| 15 | 4374 | 4682 | 4697 |
| 25 | 4210 | 4503 | 4548 |
| 35 | 3800 | 4079 | 4101 |
| 45 | 3256 | 3442 | 3236 |
| 55 | 2674 | 2588 | 2550 |
| 65 | 1893 | 1958 | 2313 |
| 75 | 1084 | 1324 | 1450 |
| 85 | 443 | 613 | 738 |
| 90 | 64 | 195 | 318 |
| 95 | 6 | 112 | 206 |
| 105 | 0 | 42 | 106 |
| 115 | 0 | 3 | 18 |
| 125 | 0 | 0 | 0 |
| 135 | 0 | 0 | 0 |
| 145 | 0 | 0 | 0 |
| 155 | 0 | 0 | 0 |
| 165 | 0 | 0 | 0 |
| 175 | 0 | 0 | 0 |
| 180 | 0 | 0 | 0 |

ZONAL LUMEN SUMMARY

| DEGREES | LUMENS | % LAMP | % FIXTURE |
|---------|--------|--------|-----------|
| 0-30 | 3792 | 21.8 | 24.7 |
| 0-40 | 6314 | 36.3 | 41.1 |
| 0-60 | 11236 | 64.6 | 73.1 |
| 0-90 | 15166 | 87.2 | 98.7 |
| 90-120 | 198 | 1.1 | 1.3 |
| 90-150 | 198 | 1.1 | 1.3 |
| 90-180 | 198 | 1.1 | 1.3 |
| 0-180 | 15365 | 88.3 | 100.0 |

Lumen Output = 15365 lumens
 Luminaire Efficiency = 88.3%

SPACING CRITERION

| ALONG | ACROSS |
|-------|--------|
| 1.24 | 1.32 |

