



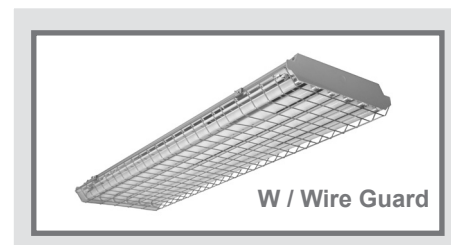
# BAYLIGHTER®

## 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  
 95% Enhanced Specular Aluminum Reflectors  
 Sensor  
 Emergency Battery Pack



Photometric Data and IES Files are Available on [www.lalighting.com](http://www.lalighting.com)



**LOS ANGELES LIGHTING MFG. CO.**

10141 OLNEY ST. / EL MONTE, CA 91731

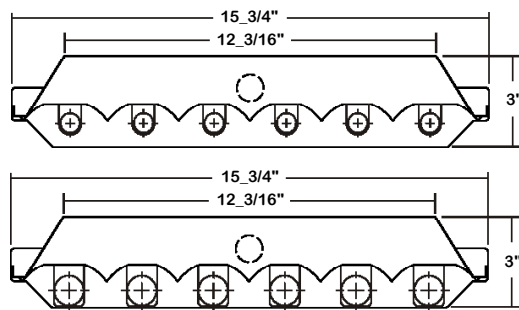
TEL : 626-454-8300 FAX : 626-454-8399

[www.lalighting.com](http://www.lalighting.com)

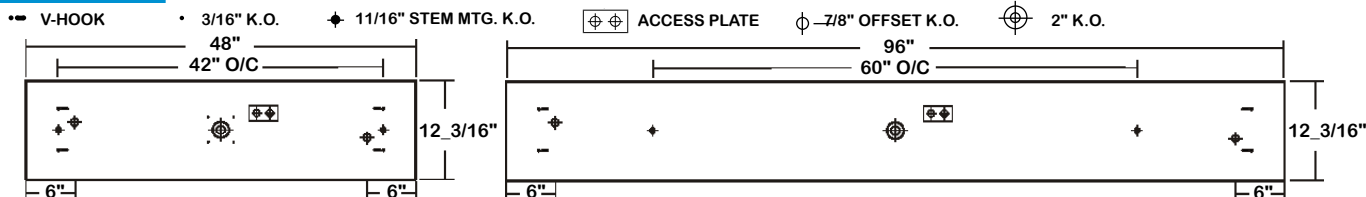


# HBN200 SERIES

## CROSS SECTION



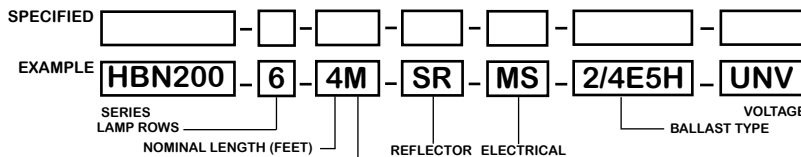
## BACK PLATE



## 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	xE5	Wire Guard - 11 Ga.	WG11-HBN200
White Reflector	WR	Electronic T5HO	xE5H	Fixture Suspension System	*
<b>ELECTRICAL OPTIONS</b>	<b>SUFFIX</b>	Electronic T8 Instant Start	xE8I	Ceiling Spacer	*
Emergency Battery Pack External	BP*	Electronic T8 Rapid Start	xE8R	6" Leg Height V-Hook	V6
Line Fusing (HLR/GLR)	ELF	Electronic T8HO	xE8H		
Motion Sensor	MS				

Note:  
 \*Refer to [www.lalighting.com/resources](http://www.lalighting.com/resources) for more information

## SPECIFICATIONS

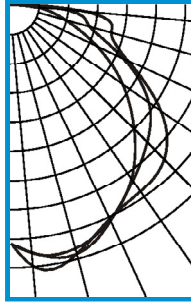
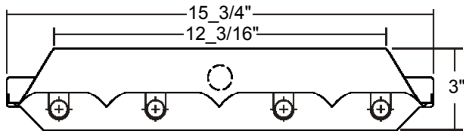
- TYPE** High bay luminaire for surface, pendant, or chain mounting. Must be spaced a minimum of 1 1/2" from ceiling when surface mounted with T5HO lamp.
- CONSTRUCTION** 22 ga. die formed cold rolled steel housing with louvered vents for heat removal. Quarter turn rotary locking lampholders standard. (20 ga. C.R.S. and .040 aluminum housing available as specified).
- REFLECTOR** Enhanced specular aluminum reflector standard, 95% reflectance. (White 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

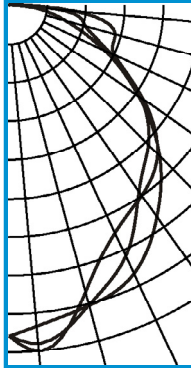
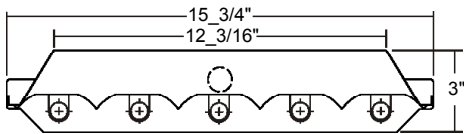
Lumen Output = 18569 lumens  
 Luminaire Efficiency = 92.8%

**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

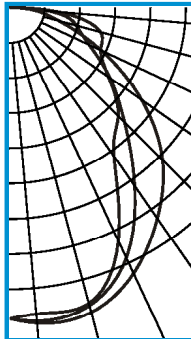
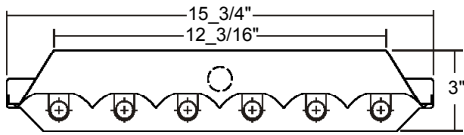
Lumen Output = 23226 lumens  
 Luminaire Efficiency = 92.9%

**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

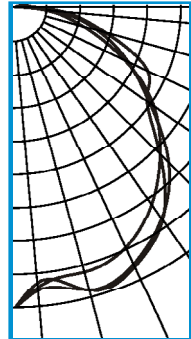
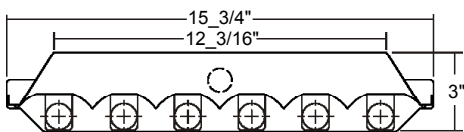
Lumen Output = 28281 lumens  
 Luminaire Efficiency = 94.3%

**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

