



BAYLIGHTER - LED

Job Name _____ Type _____

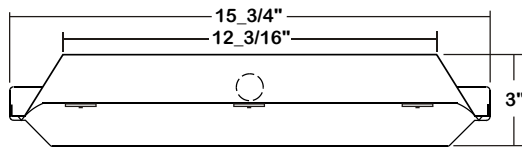


1-HBN200 SERIES

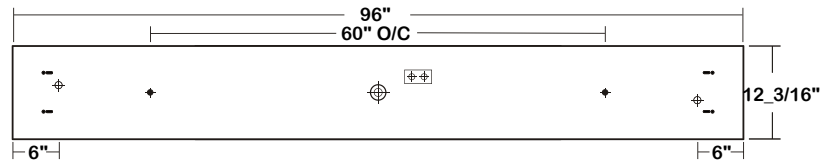
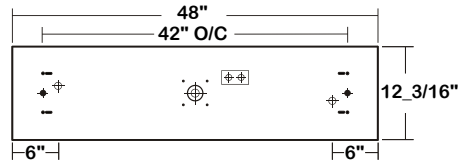
- High Bay LED Luminaire
- Removable Wiring Access Plate
- Stem, Cable or Chain Mountable
- Suitable for Damp Locations
- High efficiency drivers coupled with long-life LEDs, service life greater than 50,000 hours (L70)
- Available with:
 - 11 ga. Wire Guard
 - Frame & Lens Assembly (Available in 4')
 - Sensor
 - Emergency Battery Pack



DIMENSIONS



- ⊕ ⊕ ACCESS PLATE
- ⊕ 2" K.O.
- ⊕ 7/8" OFFSET K.O.
- ◆ 11/16" STEM MTG. K.O.
- V-HOOK
- 3/16" K.O.



ORDERING GUIDE

Example: **1-HBN200** - **8K** - **4L** - **BPL** - **1DRDM** - **UNV** - **2** / **850**

1-HBN200 - [] - [] - [] - [] - **UNV** - [] / []

SERIES

LENGTH

LED SYSTEM LUMEN

- 4' - **8K**-Nominal 8000 Lumens LED System
 - **16K**-Nominal 16000 Lumens LED System
 - **24K**-Nominal 24000 Lumens LED System

- 8' - **16K**-Nominal 16000 Lumens LED System
 - **32K**-Nominal 32000 Lumens LED System
 - **48K**-Nominal 48000 Lumens LED System

*Additional Luman Packages Available

ELECTRICAL OPTION

- LEAVE BLANK IF NOT SPECIFIED
BPL- Emergency Battery Pack
MS- Motion Sensor
Additional Motion Sensor Options
Additional Electrical Options

CRI/CCT

- 835**- 80+CRI / 3500K Color Temp.
840- 80+CRI / 4000K Color Temp.
850- 80+CRI / 5000K Color Temp.

*Additional Color Temp. Available

OF LED ROW

- 2**- Two LED Rows For 8K,16K & 32K Lumens System
3- Three LED Rows For 24K & 48K Lumens System

VOLTAGE

UNV- 120V-277V

DRIVER INFO.

- 1DRDM**- 0-10V Dimming for 8K Lumens System
2DRDM- 0-10V Dimming for 16K & 24K Lumens System
3DRDM- 0-10V Dimming for 32K Lumens System
4DRDM- 0-10V Dimming for 48K Lumens System


Additional Driver Options




Los Angeles Lighting Mfg. Co. El Monte / California

TEL: 626-454-8300 FAX: 626-454-8399 www.lalighting.com

BAYLIGHTER - LED**1-HBN200 SERIES****SYSTEM DATA**

Nominal Size	LED Lumen Package	CRI/CCT	Delivered Lumens	System Watts	Luminaire Efficacy	Fluorescent Equivalent	IES Files	Photometric Report
4'	8K	850	8822 LM	63.75 W	138.4 LPW	2-F54T5HO	LA-T2623	 Click Here
	16K		16040 LM	127.5 W	125.8 LPW	4-F54T5HO	LA-T2606	
	24K*		24330 LM	190.5 W	127.7 LPW	6-F54T5HO	LA-T2780	

Nominal Size	LED Lumen Package	CRI/CCT	Delivered Lumens	System Watts	Luminaire Efficacy	Fluorescent Equivalent	IES Files	Photometric Report
8'	16K	850	16073 LM	127.5 W	126.1 LPW	4-F54T5HO	LA-T2624	 Click Here
	32K		32130 LM	258.2 W	124.4 LPW	8-F54T5HO	LA-T2608	
	48K		48147 LM	388.9 W	123.8 LPW	12-F54T5HO	LA-T2609	

Note:

System data above are based on 120V input voltage.

Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

**ACCESSORIES****WG11-HBN200**

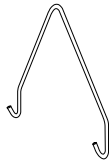
- 11 ga. Wire Guard
- Chrome epoxy powder coated finish.

Ceiling Space

- See appropriate reference page.

Fixture Suspension System**V6**

- 6" Leg Height V-Hook

**F/CA-HBN200**

- Die formed cold rolled steel frame assembly
- with Clear Acrylic lens.
- Two safety thumb screws on one of the frames.

F/PA-HBN200

- Frame with Clear Prismatic Acrylic

Note: Other lenses available request. Wire guard (WG11-HBN200) is not valid when frame and lens assembly is specified.

* Other fixture suspension system available. see appropriate reference page.

SPECIFICATIONS

- **TYPE** High bay LED Luminaire for surface, or suspension mounted. Must be spaced a minimum of 1½" from ceiling when surface mounted.
- **CONSTRUCTION** 22 ga. die formed cold rolled steel housing with louvered vents for heat removal. (20 ga. C.R.S. and .040 aluminum housing available as specified).
Baked white polyester finish, minimum reflectance 86%.
- **FINISH**
- **LED SYSTEM** High efficiency drivers coupled with long-life LEDs, service life greater than 50,000 hours (L70).
- **WIRING** Universal voltage 120v thru 277v.
- **WARRANTY** 5-Year Limited Warranty.
- **LISTING** U. L. Listed. Suitable for damp locations.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified.

Please check the DLC Qualified Products List at

www.designlights.org/QPL to confirm which versions are qualified.



Los Angeles Lighting Mfg. Co. El Monte / California


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LED lighting facts

1-HBN200-24K-4L-2DRDM-UNV-3/850

- 24000 Lumen System
- L70 performance at 279,000 hours





LED
lighting facts[®]
A Program of the U.S. DOE

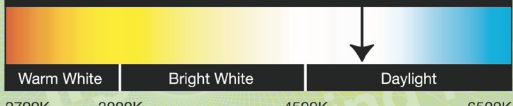
LA Lighting

Light Output (Lumens)	24330
Watts	190.5
Lumens per Watt (Efficacy)	127.7

Color Accuracy Color Rendering Index (CRI)	83
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Light Color
Correlated Color Temperature (CCT)

5096 (Daylight)



Warm White
Bright White
Daylight

2700K
3000K
4500K
6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting*. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide*.

Registration Number: -J71615 (11/9/2015)
Model Number: 1-HBN200-24K-4L-2DRDM-UNV-3/850
Type: Luminaire - Industrial

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LOS ANGELES LIGHTING MFG. CO.

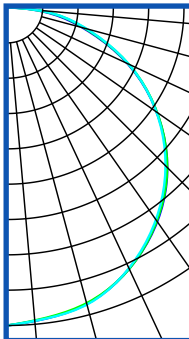
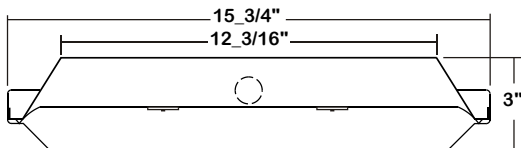
10141 OLNEY ST. / EL MONTE, CA 91731

TEL 626-454-8300 | FAX 626-454-8399 | www.lalighting.com

PHOTOMETRIC DATA - 1-HBN200 SERIES

1-HBN200-8K-4L-1DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2623
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=63.75
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	2818	2818	2818
5	2788	2784	2788
15	2721	2713	2725
25	2554	2555	2550
35	2316	2309	2296
45	2005	2003	1983
55	1616	1619	1613
65	1177	1186	1187
75	693	714	728
85	253	276	274
90	14	12	4
95	0	1	1
105	0	0	0
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

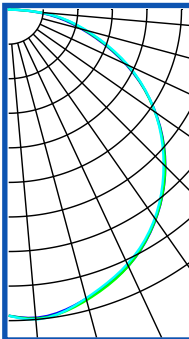
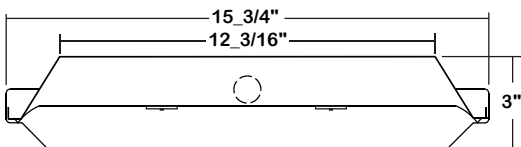
ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2219	25.1	25.1
0-40	3668	41.5	41.6
0-60	6666	75.4	75.6
0-90	8818	99.7	100.0
90-120	3	0.0	0.0
90-150	3	0.0	0.0
90-180	3	0.0	0.0
0-180	8822	99.7	100.0

Luminaire Output= 8822 lumens
 Luminaire Efficacy = 138.4 LPW

SPACING CRITERION	
ALONG	ACROSS
1.29	1.27

1-HBN200-16K-4L-2DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2606
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=127.5 W
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	5034	5034	5034
5	5087	5102	5115
15	4923	4947	4915
25	4651	4653	4617
35	4214	4208	4188
45	3642	3638	3603
55	2946	2937	2938
65	2128	2153	2166
75	1256	1296	1327
85	462	503	498
90	26	21	7
95	0	1	1
105	0	0	0
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

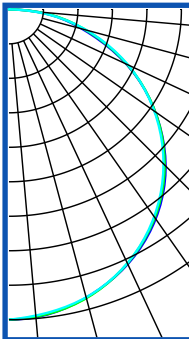
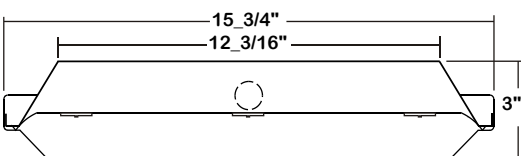
ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	4034	25.1	25.2
0-40	6675	41.5	41.6
0-60	12124	75.4	75.6
0-90	16034	99.7	100.0
90-120	6	0.0	0.0
90-150	6	0.0	0.0
90-180	6	0.0	0.0
0-180	16040	99.7	100.0

Luminaire Output= 16040 lumens
 Luminaire Efficacy = 125.8 LPW

SPACING CRITERION	
ALONG	ACROSS
1.30	1.30

1-HBN200-24K-4L-2DRDM-UNV-3/850

TEST NO.=LA-T2780
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=6
 SYSTEM WATT (W)=190.5 W
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	7952	7952	7952
5	8030	7890	7890
15	7943	7678	7675
25	7337	7230	7213
35	6635	6544	6514
45	5704	5623	5592
55	4547	4480	4440
65	3124	3117	3063
75	1557	1596	1580
85	243	274	207
90	2	1	2
95	0	0	0
105	0	0	0
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	% FIXTURE
0-40	10387	43.6
0-60	18745	78.6
0-90	23850	100.0
90-180	0.0	0.0

Luminaire Output = 23850 lumens
 Luminaire Efficacy = 125 LPW
 L70 Performance = 279,000 hrs

SPACING CRITERION	
ALONG	ACROSS
1.31	1.31

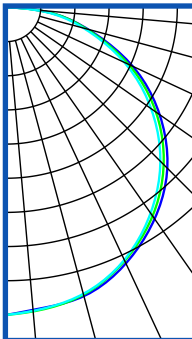
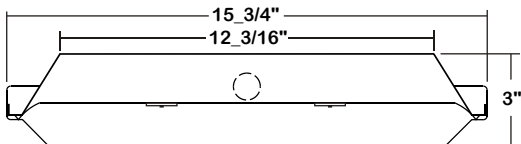
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PHOTOMETRIC DATA - 1-HBN200 SERIES

1-HBN200-16K-8L-2DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2624
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=8
 SYSTEM WATT (W)=127.5
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	5013	5013	5013
5	4950	4975	4967
15	4873	4849	4835
25	4605	4558	4543
35	4209	4151	4095
45	3707	3623	3547
55	3048	2974	2878
65	2271	2196	2121
75	1375	1343	1301
85	532	528	489
90	30	14	4
95	0	0	0
105	0	0	0
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

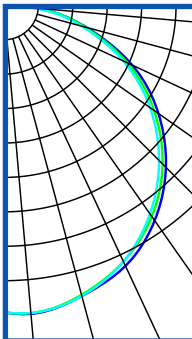
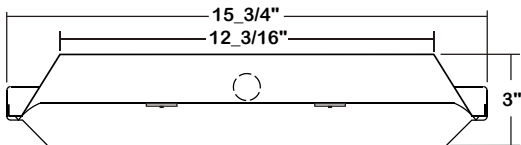
ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	3963	24.6	24.7
0-40	6571	40.8	40.9
0-60	12042	74.9	74.9
0-90	16069	99.9	100.0
90-120	4	0.0	0.0
90-150	4	0.0	0.0
90-180	4	0.0	0.0
0-180	16073	99.9	100.0

Luminaire Output= 16073 lumens
 Luminaire Efficacy = 126.1 LPW

SPACING CRITERION	
ALONG	ACROSS
1.30	1.27

1-HBN200-32K-8L-3DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2608
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=8
 SYSTEM WATT (W)=258.2
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	9896	9896	9896
5	9982	9956	9950
15	9696	9660	9694
25	9266	9111	9107
35	8467	8306	8204
45	7381	7231	7069
55	6079	5909	5748
65	4564	4400	4247
75	2751	2700	2589
85	1053	1056	970
90	62	29	9
95	0	1	1
105	0	0	0
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

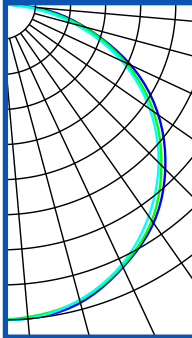
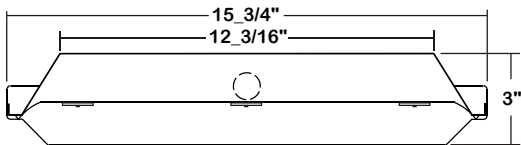
ZONAL LUMEN SUMMARY			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	7928	24.7	24.7
0-40	13155	40.9	40.9
0-60	24057	74.8	74.9
0-90	32121	99.9	100.0
90-120	9	0.0	0.0
90-150	9	0.0	0.0
90-180	9	0.0	0.0
0-180	32130	99.9	100.0

Luminaire Output= 32130 lumens
 Luminaire Efficacy = 124.4 LPW

SPACING CRITERION	
ALONG	ACROSS
1.32	1.29

1-HBN200-48K-8L-4DRDM(PHI)-UNV-3P/850(PHI)

TEST NO.=LA-T2609
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=12
 SYSTEM WATT (W)=388.9
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER			
ANGLE	END	45	CROSS
0	15045	15045	15045
5	15038	14961	15033
15	14725	14615	14585
25	13825	13766	13682
35	12724	12584	12326
45	11114	10852	10665
55	9192	8916	8691
65	6859	6602	6382
75	4145	4048	3721
85	1591	1284	1060
90	78	57	34
95	0	1	1
105	0	0	0
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	11949	24.8	24.8
0-40	19836	41.1	41.2
0-60	36265	75.2	75.3
0-90	48130	99.8	100.0
90-120	16	0.0	0.0
90-150	16	0.0	0.0
90-180	16	0.0	0.0
0-180	48147	99.8	100.0

Luminaire Output= 48147 lumens
 Luminaire Efficacy = 123.8 LPW

SPACING CRITERION	
ALONG	ACROSS
1.31	1.27

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