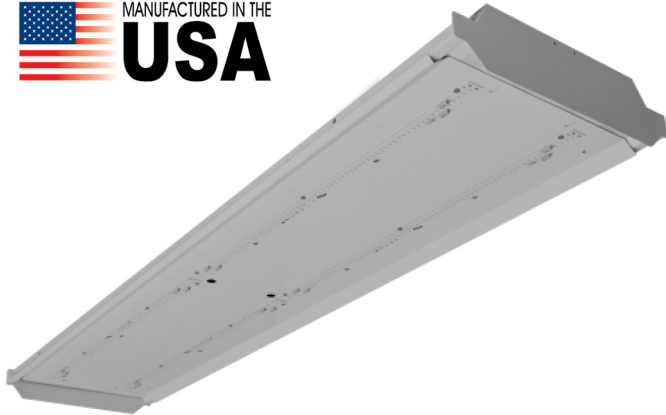




BAYLIGHTER - LED

Job Name _____ Type _____

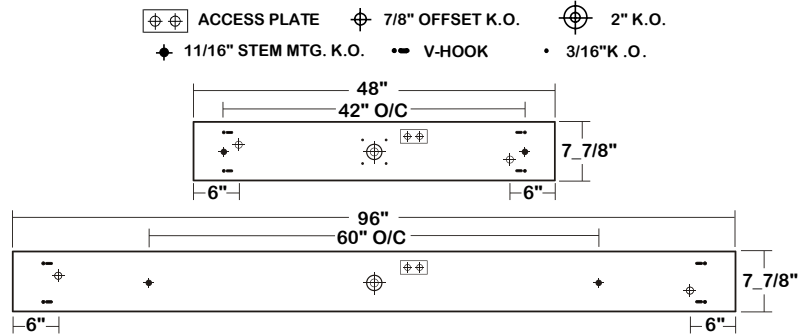
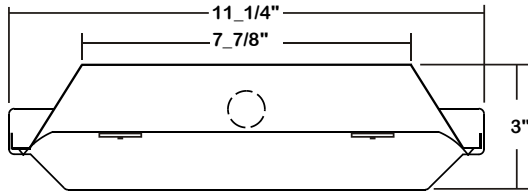


1-HBN100 SERIES

- 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 up to 206,000 hours (L70)
- Available with:
 - 11ga. Wire Guard
 - Emergency Battery Pack
 - Frame & Lens Assembly (Available in 4' Fixture Only)
 - Sensor



DIMENSIONS



ORDERING GUIDE

Example: **1-HBN100** - **8K** - **4L** - **BPL** - **1DRDM** - **UNV** - **2** / **850**

1-HBN100 - [] - [] - [] - [] - **UNV** - **2** / []

SERIES **LENGTH**
 4L- Nominal 4'
 8L- Nominal 8'

LED SYSTEM LUMEN
 4'- **8K**-Nominal 8000 Lumens LED System
 12K-Nominal 12000 Lumens LED System
 16K-Nominal 16000 Lumens LED System
 8'- **16K**-Nominal 16000 Lumens LED System
 24K-Nominal 24000 Lumens LED System
 32K-Nominal 32000 Lumens LED System
 *Additional Luman Packages Available

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

VOLTAGE
UNV- 120V-277V

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

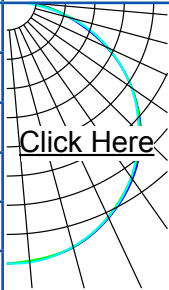
DRIVER INFO.
1DRDM- 0-10V Dimming Driver
2DRDM- 0-10V Dimming Driver
Additional Driver Options



Los Angeles Lighting Mfg. Co. El Monte / California

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

BAYLIGHTER - LED**1-HBN100 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	8014 LM	63.75 W	125.71 LPW	2-F54T5HO	LA-T2727	
	12K		12823 LM	98.32 W	130.42 LPW	3-F54T5HO	LA-T2728	
	16K*		15405 LM	131.23 W	117.39 LPW	4-F54T5HO	*	
8'	16K		15405 LM	127.5 W	125.85 LPW	4-F54T5HO	LA-T2730	
	24K		25674 LM	131.23 W	117.39 LPW	6-F54T5HO	LA-T2731	
	32K		32092 LM	260.37 W	123.26 LPW	8-F54T5HO	LA-T2732	

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-HBN100**

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

Ceiling Space

- See appropriate reference page.

Fixture Suspension System

- See appropriate reference page.

F/CA-HBN100

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

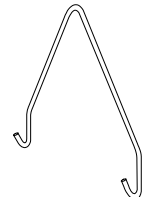
F/PA-HBN100

- Frame with Clear Prismatic Acrylic

Note: Other lenses available request. Wire guard (WG11-HBN100) is not valid when frame and lens assembly is specified.

V6

- 6" Leg Height V-Hook

**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).
 - **FINISH** Baked white polyester finish, minimum reflectance 86%.
 - **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-HBN100-16K-4L-2DRDM-UNV-2/850

- 16000 Lumen System
- L90 performance at 67,000 hours
- L70 performance at 206,000 hours



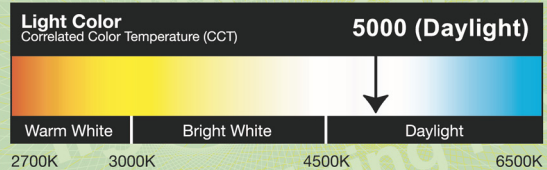

Los Angeles Lighting

Light Output (Lumens)	15405
Watts	131.23
Lumens per Watt (Efficacy)	117.39

Color Accuracy Color Rendering Index (CRI)	80
--	-----------

Light Color
Correlated Color Temperature (CCT)

5000 (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: -E7XWZF (11/16/2015)
Model Number: 1-HBN100-16K-4L-2DRDM-UNV-2/850
Type: Luminaire - Industrial

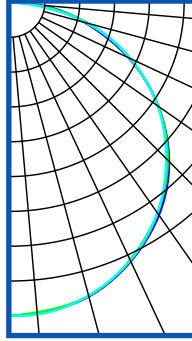
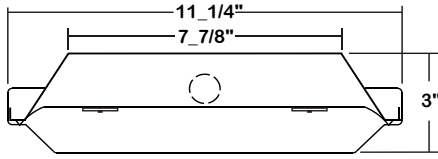
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PHOTOMETRIC DATA - 1-HBN100 SERIES

1-HBN100-8K-4L-1DRDM(PHI)-UNV-2P/850

TEST NO.=LA-T2727
 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	2565	2565	2565
5	2553	2547	2564
15	2492	2487	2484
25	2338	2325	2330
35	2125	2103	2104
45	1841	1826	1807
55	1480	1481	1475
65	1074	1085	1087
75	635	663	648
85	233	189	137
90	11	8	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	2027	25.2	25.3
0-40	3352	41.7	41.8
0-60	6092	75.8	76.0
0-90	8011	99.6	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	8014	99.7	100.0

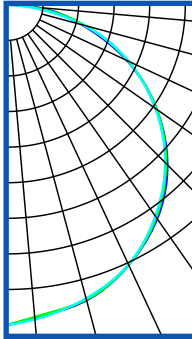
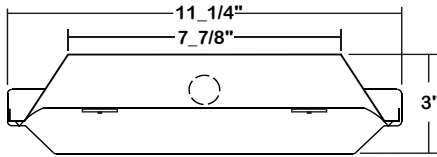
Luminaire Output= 8014 lumens
 Luminaire Efficacy = 125.71 LPW

SPACING CRITERION

ALONG	ACROSS
1.29	1.27

1-HBN100-12K-4L-1DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2728
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=98.32
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	4127	4127	4127
5	4101	4078	4098
15	3981	3974	3967
25	3731	3731	3705
35	3395	3376	3358
45	2935	2923	2893
55	2378	2368	2351
65	1722	1737	1743
75	1013	1059	1037
85	375	302	222
90	17	14	6
95	0	2	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	3241	25.2	25.3
0-40	5362	41.7	41.8
0-60	9745	75.8	76.0
0-90	12818	99.6	100.0
90-120	5	0.0	0.0
90-150	5	0.0	0.0
90-180	5	0.0	0.0
0-180	12823	99.7	100.0

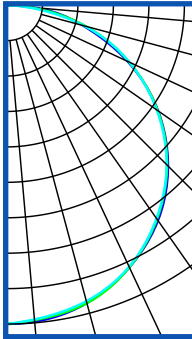
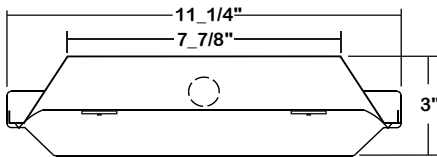
Luminaire Output= 112823 lumens
 Luminaire Efficacy = 130.42 LPW

SPACING CRITERION

ALONG	ACROSS
1.29	1.27

1-HBN100-16K-8L-2DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2730
 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	5061	5061	5061
5	5037	5017	5029
15	4890	4880	4863
25	4636	4583	4559
35	4272	4158	4127
45	3726	3640	3564
55	3062	2965	2888
65	2277	2204	2138
75	1387	1360	1274
85	536	396	272
90	25	11	5
95	0	1	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	3987	24.8	24.9
0-40	6613	41.1	41.2
0-60	12098	75.2	75.4
0-90	16041	99.8	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	16046	99.8	100.0

Luminaire Output= 16046 lumens
 Luminaire Efficacy = 125.85 LPW

SPACING CRITERION

ALONG	ACROSS
1.31	1.27

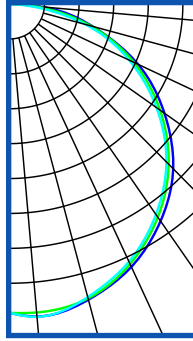
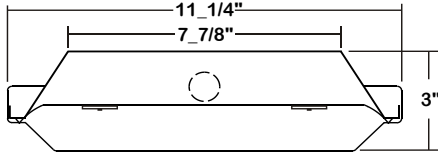
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PHOTOMETRIC DATA - 1-HBN100 SERIES

1-HBN100-24K-8L-2DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2731
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=8
 SYSTEM WATT (W)=196.64
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	7917	7917	7917
5	8044	7939	8053
15	7848	7815	7779
25	7435	7357	7289
35	6794	6672	6587
45	5974	5809	5726
55	4880	4743	4631
65	3660	3541	3409
75	2215	2168	2032
85	855	635	435
90	40	19	8
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	6384	24.8	24.9
0-40	10581	41.1	41.2
0-60	19357	75.2	75
0-90	25667	99.8	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	25674	99.8	100.0

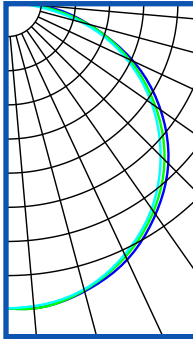
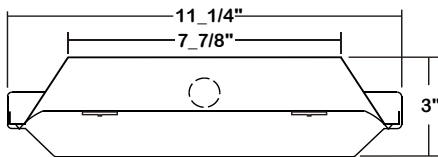
Luminaire Output= 25674 lumens
 Luminaire Efficacy = 130.56 LPW

SPACING CRITERION

ALONG	ACROSS
1.32	1.30

1-HBN100-32K-8L-3DRDM(PHI)-UNV-2P/850(PHI)

TEST NO.=LA-T2732
 LED TYPE= 44 LED MODULE
 NO. OF MODULE=8
 SYSTEM WATT (W)=260.37
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	10015	10015	10015
5	10054	10060	9980
15	9793	9755	9725
25	9293	9179	9104
35	8470	8353	8246
45	7461	7287	7103
55	6132	5927	5780
65	4559	4414	4274
75	2762	2725	2538
85	1065	797	539
90	48	24	11
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	7977	24.8	24.9
0-40	13226	41.1	41.2
0-60	24198	75.2	75.4
0-90	32084	99.8	100.0
90-120	8	0.0	0.0
90-150	8	0.0	0.0
90-180	8	0.0	0.0
0-180	32092	99.8	100.0

Luminaire Output= 32092 lumens
 Luminaire Efficacy = 123.26 LPW

SPACING CRITERION

ALONG	ACROSS
1.31	1.29

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