



BAYLIGHTER™ LED

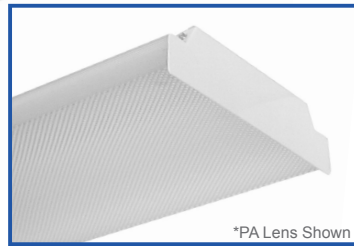
HBN 100 (4FT) SERIES (2' AND 8' AVAILABLE)

INDUSTRIAL HIGH BAY LUMINAIRE

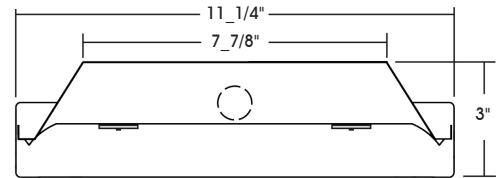
DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

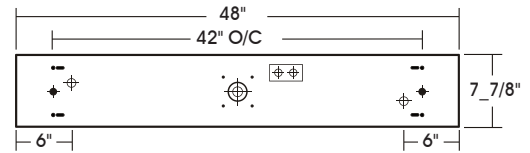
SURFACE / SUSPENSION MOUNTED HIGH BAY LED LUMINAIRE



DIMENSIONS



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



APPLICATIONS

- Commercial, Industrial, Warehouse

FEATURES

- 0-10V dimming driver standard (See DRIVER OPTIONS for other dimming types)
- Supports California Title 24 compliance
- Safety cables attached to LED gear tray

OPTIONS

- High (HT) ambient temperature version available for extreme temperature ranges (See SYSTEM DATA for ranges)
- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available (See SENSOR OPTIONS for controls and sensors)
- Clear prismatic acrylic lens available
- Emergency battery pack available (See BATTERY PACK OPTIONS for battery pack options)
- 11 ga. wire guard available (See ACCESSORIES for details)
- Cable suspension systems available (See ACCESSORIES for details)
- Pendant mounting adapter available (See ACCESSORIES for details)
- Hub available (See ACCESSORIES for details)
- Fixture stabilizer available (See ACCESSORIES for details)
- Tunable white available (2700K-6500K)

SPECIFICATIONS

CONSTRUCTION

- 22 ga. die formed cold rolled steel housing (20 ga. C.R.S. and 0.040 aluminum housing available as specified)

FINISH

- Baked white polyester finish (powder coated finish available) / minimum reflectance 86%
- End Plates - powder coated finish / painted after fabrication

OPTICAL

- No lens assembly standard

ELECTRICAL

- High efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000-173,000 hours (L70), up to 49,000 hours (L90)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

- UL USA and Canada listed / suitable for dry locations with no lens / suitable for damp locations with lens

WARRANTY

- 5-year limited warranty



Los Angeles Lighting Mfg. Co.
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Revised 08-07-19

WARNING

ORDERING INFORMATION

EXAMPLE: HBN100-16-4L-PA-DRDM-UNV-1/850HT

NORMAL AMBIENT TEMPERATURE ORDERING GUIDE

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
HBN100			4L				DRDM	UNV	1	
HBN100 Industrial High Bay LED Luminaire (Normal Ambient Temperature Version)	8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens 24 Nom. 24000 Lumens *Additional Lumen Packages Available	(Blank) Standard (Only 8000 / 12000 / 16000 lumens Systems) HE High Efficacy	4L 4'	(Blank) No Lens Assembly PA Clear Prismatic Acrylic	HUB Aluminum Die Cast Hub (Safety Cable Set Included) SMA Pendant Mounting Adapter (Safety Cable Set Included) STA Fixture Stabilizer *Leave Blank if Not Specified <i>Additional Mechanical Options</i>	BPL1.5 Emergency Battery Pack, Nom. 1500 lm <i>See BATTERY PACK OPTIONS for Options</i> MSxx Motion Sensor <i>See SENSOR OPTIONS for Options</i> *Leave Blank if Not Specified <i>Additional Electrical Options</i>	DRDM 0-10V Dimming Driver <i>See DRIVER OPTIONS for Options</i>	UNV 120V-277V <i>See DRIVER OPTIONS for Options</i>	1 One LED Row	830 80+CRI / 3000K Color Temp. 835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

HIGH AMBIENT TEMPERATURE ORDERING GUIDE

SERIES	LED LUMEN PACKAGE	NOMINAL LENGTH	OPTICAL	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT	AMBIENT TEMP.
HBN100		4L				DRDM	UNV			HT
HBN100 Industrial High Bay LED Luminaire (HT - High Ambient Temperature Version)	8 Nom. 8000 Lumens 12 Nom. 12000 Lumens 16 Nom. 16000 Lumens 24 Nom. 24000 Lumens 32 Nom. 32000 Lumens *Additional Lumen Packages Available	4L 4'	(Blank) No Lens Assembly PA Clear Prismatic Acrylic	HUB Aluminum Die Cast Hub (Safety Cable Set Included) SMA Pendant Mounting Adapter (Safety Cable Set Included) STA Fixture Stabilizer *Leave Blank if Not Specified <i>Additional Mechanical Options</i>	BPL1.5 Emergency Battery Pack, Nom. 1500 lm <i>See BATTERY PACK OPTIONS for Options</i> MSxx Motion Sensor <i>See SENSOR OPTIONS for Options</i> *Leave Blank if Not Specified <i>Additional Electrical Options</i>	DRDM 0-10V Dimming Driver <i>See DRIVER OPTIONS for Options</i>	UNV 120V-277V <i>See DRIVER OPTIONS for Options</i>	1 One LED Row (Only 8000 / 12000 / 16000 lumens Systems) 2 Two LED Rows (Only 24000 / 32000 lumens Systems)	835 80+CRI / 3500K Color Temp. 840 80+CRI / 4000K Color Temp. 850 80+CRI / 5000K Color Temp. *Additional Color Temp. Available	HT High Ambient Temp.

PERFORMANCE DATA

VIEW LIGHTING FACTS

VIEW PHOTOMETRICS



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SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
8000 Lumens (Nominal)	HBN100-8-4L-DRDM-UNV-1/850	8543 lm	66.7 W	128.2 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
	HBN100-8-4L-PA-DRDM-UNV-1/850	7472 lm	66.7 W	112.1 lm/W			*
12000 Lumens (Nominal)	HBN100-12-4L-DRDM-UNV-1/850	12211 lm	104.6 W	116.7 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	*
	HBN100-12-4L-PA-DRDM-UNV-1/850	10680 lm	104.6 W	102.1 lm/W			*
16000 Lumens (Nominal)	HBN100-16-4L-DRDM-UNV-1/850	16176 lm	111.6 W	145.0 lm/W	-20°C / 35°C	4-F54T5HO	*
	HBN100-16-4L-PA-DRDM-UNV-1/850	14170 lm	111.6 W	127.0 lm/W			*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
8000 Lumens (Nominal)	HBN100-8HE-4L-DRDM-UNV-1/850	7987 lm	46.4 W	172.2 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
	HBN100-8HE-4L-PA-DRDM-UNV-1/850	6997 lm	46.4 W	150.9 lm/W			*
12000 Lumens (Nominal)	HBN100-12HE-4L-DRDM-UNV-1/850	12066 lm	73.6 W	163.9 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	*
	HBN100-12HE-4L-PA-DRDM-UNV-1/850	10570 lm	73.6 W	143.6 lm/W			*
16000 Lumens (Nominal)	HBN100-16HE-4L-DRDM-UNV-1/850	16183 lm	103.3 W	156.7 lm/W	-20°C / 35°C	4-F54T5HO	*
	HBN100-16HE-4L-PA-DRDM-UNV-1/850	14176 lm	103.3 W	137.2 lm/W			*
24000 Lumens (Nominal)	HBN100-24HE-4L-DRDM-UNV-1/850	24132 lm	147.2 W	163.9 lm/W	-20°C / 35°C	6-F54T5HO	*
	HBN100-24HE-4L-PA-DRDM-UNV-1/850	21140 lm	147.2 W	143.6 lm/W			*

LED LUMEN PACKAGE	HIGH AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
8000 Lumens (Nominal)	HBN100-8-4L-DRDM-UNV-1/850HT	8147 lm	48.6 W	167.8 lm/W	-30°C / TBD	4-F32T8, 2-F54T5HO	*
	HBN100-8-4L-PA-DRDM-UNV-1/850HT	7137 lm	48.6 W	147.0 lm/W			*
12000 Lumens (Nominal)	HBN100-12-4L-1DRDM-UNV-1/840HT**	12385 lm	76.3 W	162.3 lm/W	-30°C / TBD	6-F32T8, 3-F54T5HO	LA-T3227
	HBN100-12-4L-PA-1DRDM-UNV-1/840HT**	11682 lm	76.0 W	153.7 lm/W			LA-T3228
	HBN100-12-4L-DRDM-UNV-1/850HT	12012 lm	76.1 W	157.9 lm/W			*
	HBN100-12-4L-PA-DRDM-UNV-1/850HT	10523 lm	76.1 W	138.3 lm/W			*
16000 Lumens (Nominal)	HBN100-16-4L-1DRDM-UNV-1/840HT**	16075 lm	102.2 W	157.2 lm/W	-30°C / 50°C	4-F54T5HO	*
	HBN100-16-4L-PA-1DRDM-UNV-1/840HT**	15100 lm	101.8 W	148.3 lm/W	-30°C / 45°C		*
	HBN100-16-4L-DRDM-UNV-1/850HT	15840 lm	96.3 W	164.5 lm/W	-30°C / 50°C		LA-T3418
	HBN100-16-4L-PA-DRDM-UNV-1/850HT	13876 lm	96.3 W	144.1 lm/W	-30°C / 45°C		LA-T3420
24000 Lumens (Nominal)	HBN100-24-4L-1DRDM-UNV-2/840HT**	24504 lm	151.4 W	161.8 lm/W	-30°C / 50°C	6-F54T5HO	*
	HBN100-24-4L-PA-1DRDM-UNV-2/840HT**	22999 lm	150.73 W	152.6 lm/W	-30°C / 45°C		*
	HBN100-24-4L-DRDM-UNV-2/850HT	24018 lm	150.4 W	159.6 lm/W	-30°C / 50°C		LA-T3419
	HBN100-24-4L-PA-DRDM-UNV-2/850HT	20981 lm	150.4 W	139.5 lm/W	-30°C / 45°C		*
32000 Lumens (Nominal)	HBN100-32-4L-DRDM-UNV-2/840HT	32048 lm	206.8 W	155.0 lm/W	-30°C / TBD	8-F54T5HO	*
	HBN100-32-4L-DRDM-UNV-2/850HT	28083 lm	206.8 W	135.8 lm/W			*

NOTE:

System data is based on 120V input voltage. DLC system data** based on DLC testing parameters. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

Due to constant updates on this product, please visit the [DLC QPL Website](#) for the most accurate system data and information.



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SENSOR OPTIONS

DRY AND DAMP LOCATIONS - HIGH / LOW AISLE MOUNTING APPLICATIONS - END MOUNT

MS - Motion Sensor

- Turns light ON/OFF based on motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)
- 480V available

MSSD - Motion Sensor – Step Dimming

- Step-dims light to desired preset level (based on motion detection)
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPC - Motion Sensor & Photocell

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCD(ADC) - Motion Sensor & PhotoCell Dimming (Auto Dim Control)

- Variably dims output to desired preset footcandle level through photocell ON/OFF with motion detection
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCD(ANL) - Motion Sensor & Photocell Dimming (Auto Night Light)

- Variably dims output to desired footcandles through photocell
- Low setting when unoccupied (full on with motion)
- For 24 hour use
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCDR - Motion Sensor & Photocell Dimming (Setup with Remote Control)

- Field adjustable dimming sensor capabilities:
 - Step Dim (HIGH/LOW output)
 - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
 - Auto Night Light (dim to desired footcandles, LOW without motion)
- Used in conjunction with 0-10V dimming Ballast /Driver
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Adjustable ramp up and fade down time
- Fixture mounting height 8-40'
- Universal Voltage (120V-277V)
- Remote setup and adjustment with handheld wireless tool (sold separately)

PCS - Photocell Sensor

- Turns light ON/OFF based on light levels
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

PCD - Photocell Dimming

- Dims output to desired footcandles through photocell
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

DRIVER OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.

DRDM – UNV

* Normal Stock Item

VOLTAGE

- 120V** 120 Volt
- 277V** 277 Volt
- UNV*** Universal 120-277 Volt
- 347V** 347 Volt
- 480V** 480 Volt

DRIVER TYPE

- DRDM*** 0-10V Dimming Driver
- DRDM1** 0-10V Dimming Driver, 1% Dimming
- DRDM2C** 2-Channel 0-10V Dimming Driver (for Color Tunable White)
- DR2W** 2-Wire Phase Dimming Driver
- DRDA** Digital Addressable DALI Dimming Driver
- DRDA2C** Digital Addressable DALI Type8 2-Channel Driver (for Color Tunable White)
- DRDA2.0** Digital Addressable DALI 2.0 Dimming Driver
- DRDA2.02C** Digital Addressable DALI 2.0 Type8 2-Channel Driver (for Color Tunable White)
- DRSD** Step Dimming Driver
- DR(LTEA2W)** Lutron® 2-Wire 1% Dimming Driver (120V Forward Phase only)
- DR(LDE1)** Lutron® EcoSystem 1% Soft-On, Fade-to-Black™ Dimming Driver
- DR(LDE5)** Lutron® EcoSystem 5% Dimming Driver
- DR(PEQ0)** Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver
- DR(PSQ0)** Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White)

OF DRIVERS SPECIFIED

- (Blank)** Not Specified
- #** Number of Drivers Specified per Lighting Fixture

BATTERY PACK OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED BATTERY PACK OPTION WORKS WITH THIS FIXTURE.

BPL

LUMEN PACKAGE

- 0.7** Nominal 750 Lumens
- 1.5** Nominal 1500 Lumens
- 3.0** Nominal 3000 Lumens

*Additional lumen packages available

TYPE

- (Blank)** Normal Ambient Temp. / Standard Operation
- C** Cold Environment (-20°C)
- F** With Flex for Remote Mounting
- SL** Slim Casing
- ST** Self Test / Diagnostic

*Additional options available



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ACCESSORIES

V6

- 6" Leg Height V-Hook
- Two (2) per fixture



WG11-HBN100

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

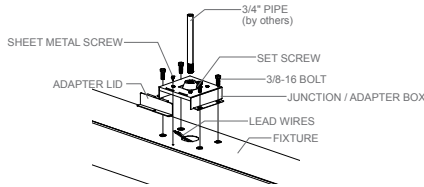
Note: Wire guard (WG11-HBN100) is not available when lens assembly is specified.

SMA

- Pendant Mount Adapter System
- 20 ga. die formed galvanized steel construction
- Die cast aluminum hub for 3/4" pipe pre-installed
- Designed for single point pendant mount applications

(View [Installation Instructions](#))

Note: Must request pre-punched holes from factory. Cannot purchase separate from fixture.



STA

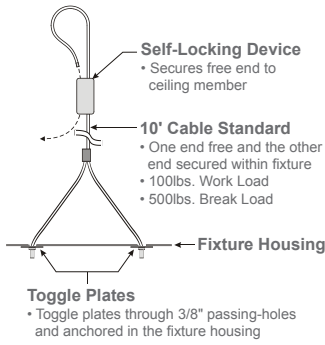
- Fixture Stabilizer
- 18 ga. die formed cold rolled steel stabilizer for 3/4" pipe
- Designed for single point pendant mount applications to keep fixture body at an even level
- Works in conjunction with HUB and SMA
- Baked white powder coated finish

Note: Must request pre-punched holes from factory.



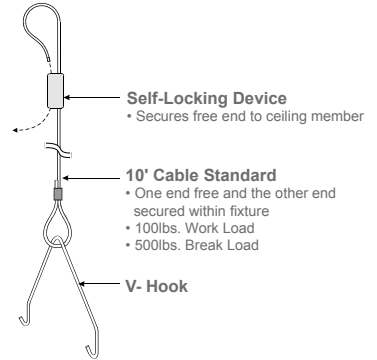
YTCS10

- Y-Toggle-End / Cable Suspension System



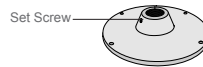
V6CS10

- V-Hook / Cable Suspension System
- Cable set with V6 hooks



HUB

- Aluminum die cast hub with set screw for 3/4" pipe
- Safety cable included
- One (1) per fixture



Cable Suspension System

- See [Mechanical Options](#) for additional Cable Suspension Systems



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LED lighting facts

HBN100-12-4L-PA-1DRDM-UNV-1/840HT

- 12000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	11682
Watts	76.02
Lumens per Watt (Efficacy)	153.67

Color Accuracy Color Rendering Index (CRI)	83
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Light Color
Correlated Color Temperature (CCT) **4089 (Bright White)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

** See www.lightingfacts.com/products for details.

Registration Number: -RDMMA2 (1/18/2018)
Model Number: HBN100-12-4L-PA-XXXXX-XXXXX-1DRDM-UNV-1/840HT
Type: Luminaire - Industrial

HBN100-12-4L-PA-1DRDM-UNV-1/850HT

- 12000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



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LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	11833
Watts	75.97
Lumens per Watt (Efficacy)	155.76

Color Accuracy Color Rendering Index (CRI)	83
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Light Color
Correlated Color Temperature (CCT) **5197 (Daylight)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

** See www.lightingfacts.com/products for details.

Registration Number: -R63GET (1/18/2018)
Model Number: HBN100-12-4L-PA-XXXXX-XXXXX-1DRDM-UNV-1/850HT
Type: Luminaire - Industrial

HBN100-12-4L-1DRDM-UNV-1/840HT

- 12000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



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LED lighting facts
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Light Output (Lumens)	12000
Watts	76
Lumens per Watt (Efficacy)	157.89

Color Accuracy Color Rendering Index (CRI)	83
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Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

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** See www.lightingfacts.com/products for details.

Registration Number: -QV4EYF (1/17/2018)
Model Number: HBN100-12-4L-XXXXX-XXXXX-1DRDM-UNV-1/840HT
Type: Luminaire - Industrial

HBN100-12-4L-1DRDM-UNV-1/850HT

- 12000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



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LED lighting facts
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Light Output (Lumens)	12527
Watts	76.28
Lumens per Watt (Efficacy)	164.22

Color Accuracy Color Rendering Index (CRI)	83
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Light Color
Correlated Color Temperature (CCT) **5171 (Daylight)**

Warm White | Bright White | Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

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Registration Number: -H4H8VB (1/18/2018)
Model Number: HBN100-12-4L-XXXXX-XXXXX-1DRDM-UNV-1/850HT
Type: Luminaire - Industrial



LED lighting facts

HBN100-16-4L-PA-1DRDM-UNV-1/850HT

- 16000 Lumen System
- L70 performance at 134,000 hours
- L90 performance at 38,000 hours



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LED lighting facts
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Light Output (Lumens)	15205
Watts	101.74
Lumens per Watt (Efficacy)	149.45

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **5258 (Daylight)**

Warm White Bright White Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -BHFQYW (1/18/2018)
Model Number: HBN100-16-4L-PA-XXXXX-XXXXX-1DRDM-UNV-1/850HT
Type: Luminaire - Industrial

HBN100-24-4L-PA-1DRDM-UNV-2/840HT

- 24000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	22999
Watts	150.73
Lumens per Watt (Efficacy)	152.58

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **4101 (Bright White)**

Warm White Bright White Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -473E3R (1/18/2018)
Model Number: HBN100-24-4L-PA-XXXXX-XXXXX-1DRDM-UNV-2/840HT
Type: Luminaire - Industrial

HBN100-24-4L-PA-1DRDM-UNV-2/850HT

- 24000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	23139
Watts	150.72
Lumens per Watt (Efficacy)	153.52

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **5218 (Daylight)**

Warm White Bright White Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -O37JCJ (1/18/2018)
Model Number: HBN100-24-4L-PA-XXXXX-XXXXX-1DRDM-UNV-2/850HT
Type: Luminaire - Industrial

HBN100-24-4L-1DRDM-UNV-2/840HT

- 24000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	24504
Watts	151.41
Lumens per Watt (Efficacy)	161.84

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **4083 (Bright White)**

Warm White Bright White Daylight

2700K 3000K 4500K 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -UO114A (1/18/2018)
Model Number: HBN100-24-4L-XXXXX-XXXXX-1DRDM-UNV-2/840HT
Type: Luminaire - Industrial



LED lighting facts

HBN100-24-4L-1DRDM-UNV-2/850HT

- 24000 Lumen System
- L70 performance at 172,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	24717
Watts	151.35
Lumens per Watt (Efficacy)	163.31

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **5188 (Daylight)**

Warm White | Bright White | Daylight

2700K | 3000K | 4500K | 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -ZAYWW6 (1/18/2018)
Model Number: HBN100-24-4L-XXXXX-XXXXX-1DRDM-UNV-2/850HT
Type: Luminaire - Industrial

HBN100-32-4L-1DRDM-UNV-2/840HT

- 32000 Lumen System
- L70 performance at 173,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	31727
Watts	203.19
Lumens per Watt (Efficacy)	156.14

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **4115 (Bright White)**

Warm White | Bright White | Daylight

2700K | 3000K | 4500K | 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -7S6C8N (1/18/2018)
Model Number: HBN100-32-4L-XXXXX-XXXXX-1DRDM-UNV-2/840HT
Type: Luminaire - Industrial

HBN100-32-4L-1DRDM-UNV-2/850HT

- 32000 Lumen System
- L70 performance at 173,000 hours
- L90 performance at 49,000 hours



Los Angeles Lighting Mfg. Co.

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	32108
Watts	203.17
Lumens per Watt (Efficacy)	158.04

Color Accuracy
Color Rendering Index (CRI) **83**

Light Color
Correlated Color Temperature (CCT) **5245 (Daylight)**

Warm White | Bright White | Daylight

2700K | 3000K | 4500K | 6500K

Warranty** **Yes**

All results, except LED Lumen Maintenance, 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.

**** See www.lightingfacts.com/products for details.**

Registration Number: -V13QTJ (1/18/2018)
Model Number: HBN100-32-4L-XXXXX-XXXXX-1DRDM-UNV-2/850HT
Type: Luminaire - Industrial



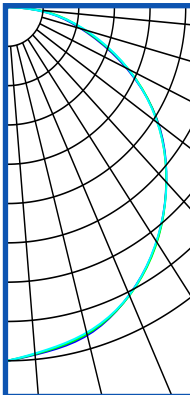
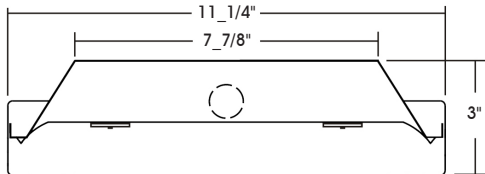
LOS ANGELES LIGHTING MFG. CO.

10141 OLNEY ST. / EL MONTE, CA 91731
TEL 626-454-8300 | FAX 626-454-8399 | www.lalighting.com

PHOTOMETRIC DATA - HBN100_4FT

HBN100-16-4L-DRDM-UNV-1/850HT

TEST NO.=LA-T3418
 LED TYPE=144 LED MODULE
 NO. OF MODULE=2
 SYSTEM WATT (W)=96.3
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	5120	5120	5120
5	5052	5042	5033
15	4919	4900	4880
25	4600	4606	4599
35	4149	4158	4142
45	3584	3584	3589
55	2941	2929	2921
65	2101	2131	2130
75	1228	1265	1293
85	452	477	434
90	28	11	4
95	1	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

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	4001	25	25
0-40	6609	42	42
0-60	12014	76	76
0-90	15837	100	100
90-120	5	0	0
90-150	5	0	0
90-180	5	0	0
0-180	15842	100	100

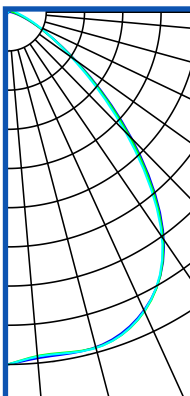
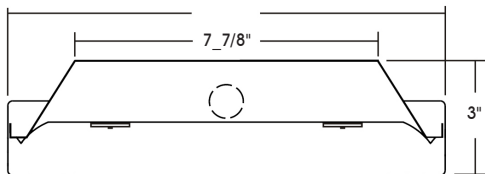
Luminaire Output= 15842 lumens
 Luminaire Efficacy = 164.5 lm/W
 Luminaire Efficiency = 99.9%

SPACING CRITERION

ALONG	ACROSS
1.26	1.26

HBN100-16-4L-PA-DRDM-UNV-1/850HT

TEST NO.=LA-T3420
 LED TYPE=144 LED MODULE
 NO. OF MODULE=2
 SYSTEM WATT (W)=96.3
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	6690	6690	6690
5	6597	6555	6567
15	6588	6598	6603
25	6248	6272	6262
35	5277	5247	5213
45	3394	3333	3226
55	1590	1549	1508
65	604	623	660
75	187	239	298
85	39	104	171
90	15	75	145
95	13	70	132
105	11	60	105
115	7	47	79
125	3	34	54
135	1	20	36
145	0	11	21
155	0	3	10
165	0	0	1
175	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	3697	34	39
0-40	8693	55	63
0-60	12655	80	91
0-90	13639	96	98
90-120	186	1	1
90-150	235	1	2
90-180	237	2	2
0-180	13876	87	100

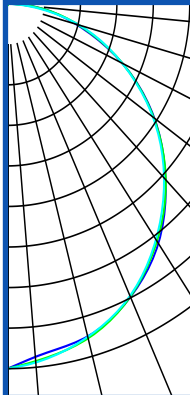
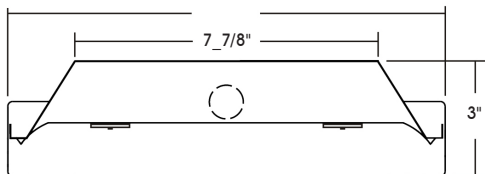
Luminaire Output= 13876 lumens
 Luminaire Efficacy = 144.1 lm/W
 Luminaire Efficiency = 87.5%

SPACING CRITERION

ALONG	ACROSS
1.26	1.25

HBN100-24-4L-DRDM-UNV-2/850HT

TEST NO.=LA-T3419
 LED TYPE=144 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=150.4
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	8112	8112	8112
5	7881	7977	8005
15	7657	7700	7667
25	7193	7195	7166
35	6505	6444	6399
45	5531	5536	5473
55	4434	4414	4389
65	3135	3139	3128
75	1753	1816	1840
85	592	566	434
90	25	14	7
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

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	6263	26	26
0-40	10313	43	43
0-60	18546	77	77
0-90	24014	100	100
90-120	5	0	0
90-150	5	0	0
90-180	5	0	0
0-180	24019	100	100

Luminaire Output= 24019 lumens
 Luminaire Efficacy = 159.7 lm/W
 Luminaire Efficiency = 99.8%

SPACING CRITERION

ALONG	ACROSS
1.25	1.24

