

# EYELITE™

from EYE Lighting



## EYELITE High Bay High Bay LED Luminaires

Project:

Type:

Catalog #:

Prepared by:

Date:

Notes:

### Applications Include

Warehouses, gymnasiums, manufacturing facilities, and retail.

### Specification Features

#### Construction

The EYELITE™ High bay features a three piece housing construction. The die-cast aluminum main housing and driver compartments are separated by an aluminum heat sink to provide excellent thermal protection. The luminaire is IP65 rated and is suitable for -30°C to 40°C ambient conditions.

#### Mounting

An eyebolt on top of the driver housing allows for versatility in mounting.

#### Optics

The wide beam optics are complemented by a polycarbonate reflector to provide a classic high bay look as well as upright to eliminate the cave effect.

#### Electrical

A constant current driver accepts 90 to 305V input at 50/60hz. The driver operates at greater than 0.9 Power Factor and lower than 20% Total Harmonic Distortion and has 0-10VDC dimming capability. A 3 foot (1m) power cord is standard.

#### Finish

The paint process begins with a multi-stage cleaning, pretreatment and chemical conversion coating process. A durable polyester powdercoat is then electrostatically applied. This process ensures protection from impact, UV and salt spray damage.

#### Warranty

5 Year Limited LED Luminaire Warranty to the original purchaser that the luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the fixture, LED driver and LEDs when installed and operated according to manufacturer's instructions. See EYE Lighting's full Warranty and Terms & Conditions of Sale at [www.eyelighting.com](http://www.eyelighting.com).

#### Listings and Ratings

UL Listed in the U.S.A. and Canada to U.L. 1598 wet location standards. IP65 rated housing. Tested to IESNA LM-79-08 test standards at 25°C ambient. IES files are available at [www.eyelighting.com](http://www.eyelighting.com).



\*Check the latest update at [www.DesignLights.org](http://www.DesignLights.org) for listed product catalog numbers. Not all versions are listed.

### Order Guide

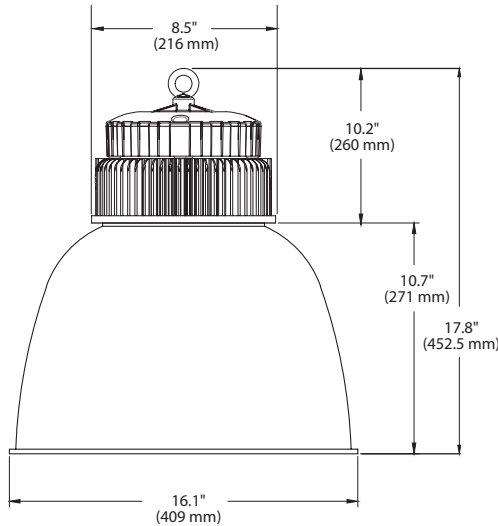
SAMPLE NUMBER : HB1-L15-740-WA-UNV-010-BK-03

FAMILY	LUMENS	CRI	CCT	DISTRIBUTION	VOLTAGE	DIMMING	FINISH	CORD LENGTH
HB1	L15	7	40	WA	UNV	010	BK	03
HB1	L15 = 15,000 Lumens @ 150W	7 = 70	40 = 4000K	W = Wide Acrylic	UNV = 120-277V	010 = 0-10V Dim	BK = Black	3 = 3' Cord

\* Option requires extended lead time. Contact factory for more information.

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

**Dimensions**



**Weight** 10.8 lbs. (4.9 kg)

**Performance Data**

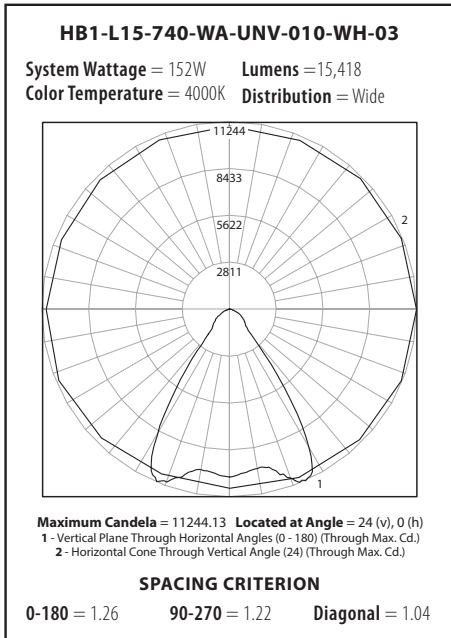
**Wattage Summary**

Model	LED Qty.	Drive Current	Luminaire Wattage	Average Lumens	CCT	CRI	Lumen Maintenance (L70 At 25°C)	Lumen Maintenance (L70 At 45°C)
L15	184	100mA	150	15,000	4000K	70	>50,000 hrs.	>50,000 hrs.

**Ambient Data**

Ambient Temperature	Lumen Multiplier
15°C	1.02
25°C	1.00
40°C	0.98

**Photometric Data**



**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD (HBL-20L-408-W-UNV-WH.IES)**  
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	111	108	105	102	109	106	103	100	101	99	97	97	95	94	94	92	91	89
2	104	98	93	89	102	96	92	88	93	89	86	90	86	84	87	84	82	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	80	77	74	72
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	74	71	67	66
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	69	65	62	60
6	81	71	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	60	56	52	51
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47
9	68	57	50	46	67	56	50	46	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

- Results may vary from test due to power, ambient conditions and individual component performance variations.
- Data is provided to estimate typical performance.
- Engineering estimates and data are based on initial absolute lumens.
- Lumen output may vary 10% due to LED manufacturer flux specification.

- Predicted performance calculated from LED manufacturer data and engineering estimates based on test methodologies of IESNA LM-80, LM-79 and TM-21.
- L70 Hours is the predicted time when LED performance depreciates to 70% of initial lumen output.
- EYE Lighting reserves the right to change materials or modify the design of its product without notification.

- Consult factory for lead time and availability.
- Other modes of failure could occur after the 60,000 hour period
- Reference photometric data sheet for lumen levels based on color temperature and distribution type

**EYE Lighting International of North America, Inc.**

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