DESCRIPTION

The ultra-slim, energy-efficient EHB Series highbay utilizes high efficacy, high-output LEDs to provide over 70% energy savings compared to HID technology. This product is offered in multiple lumen packages optimizing project flexibility for retail, industrial, commercial, manufacturing, warehousing, gymnasium and other large interior spaces with mounting heights up to 50'. The EHB delivers up to 50,000 lumens with a diffused lens and is supplied standard with adjustable aircraft cable mounts but can be stem/pendant mount or suspended with the use of the stem mount kit. The EHB highbay is suitable for ambient temperatures up to 55°C. Options include 347/480VAC, battery backup and occupancy controls.

SPECIFICATIONS

Construction:
- Die-formed steel housing in a white finish
- Standard diffused polycarbonate lens
- Compact configurations, as small as 10.3" wide and 23.9" long
- Low profile, only 1.8" height for models up to 29,000 lumens
- Isolated central driver compartment optimizes thermal dissipation (single screw access from below the fixture)
- ½" Knockout on both ends as well as in the central panel to allow for easy installation of sensors or other accessories

Optics/LEDs:
- 90 to 370W models replace up to 10-lamp T5HO or 1000W HID for up to 70% energy savings
- Multiple lumen packages from 12,000 to 50,000 lumens to accommodate a variety of job applications
- Efficacies up to 142 LPW maximize energy savings and utility rebates
- General diffused distribution, 120°
- Available in 4000K and 5000K CCT
- L70 = 115,000 hours
- Rated for over 50,000 hours at 55°C
- CRI ≥80 (205W model ≥70)

Electrical:
- Class 2 power supply, 120 to 277VAC, 50/60Hz
- 1-10V Dimming driver (120-277 VAC only)
- 347/480VAC Option (90W, 130W, 300W and 370W dedicated driver)
- Built-in driver surge protection L/N-PE: 6kV, L-N: 4kV

Testing & Compliance:
- cULus Listed for Damp Locations
- DesignLights Consortium® (DLC) PREMIUM Qualified (180W-HVS configuration is DLC standard qualified, consult QPL for qualified models)
- Operating temperatures: -40°C to 55°C (-40°F to 131°F)

Installation:
- 5' Adjustable cable mount kit included for suspension mount
- Central compartment easily accessible from the front to allow for easy wiring or accessory installation
- ½" Knockouts located at both ends of the unit as well as the central front panel
- Can be surface or stem/pendant with the use of the stem mount kit (STMEHB) for 130W-205W models (STMLHB for 300-370W)

Options:
- Integral battery backup option offers 1000 lumens of emergency powered illumination for 90 minutes
- Dimming occupancy sensor (120-277VAC)
- 6' and 15' Line cords (LC*, 3-conductor)
- 15' Metal clad line cord (MC15, 3-conductor)

Warranty:
- Five Year Warranty (Terms and Conditions Apply)

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

Available While Supplies Last

UL CERTIFIED · DLC QPL PREMIUM · DAMP · 5 YEAR WARRANTY

Specs at a Glance						* Nominal Wattage
Model	EHB-90	EHB-130	EHB-180	EHB-205	EHB-300	EHB-370
Wattage (W)*	90	130	180	205	300	370
Lumens (lm)	12,600	18,500	24,500	29,300	40,000	50,000
Efficacy (LPW)	140	142	136	138	133	136
Distribution	General Diffused 120°					
CCT (K)	4000K, 5000K					
CRI	≥80 (205W ≥70)					
Input Voltage	120-277VAC, 50/60Hz, 347/480VAC Option					
Operating Temp	-40°C to 55°C (-40°F to 131°F)					
Certifications	UL Listed for Damp Locations, DLC PREMIUM					
Warranty	5 Years					
Weight	6.8 lbs	10.9 lbs	11.8 lbs	11.8 lbs	22.5 lbs	22.5 lbs

* Nominal Wattage, tested at 5000K CCT. Values at 120/277VAC. See performance table for more detailed lumen information.

Note: Environment and application will affect actual performance. Typical values and 25°C (77°F) used for testing. Specifications subject to change without notice.

Accessories:
- Dimming occupancy sensor (TL-MSSW)
- On/off occupancy sensor (TL-OCCSNSD-120/277)
- Remote for SC option and TL-MSSW occupancy sensors (TL-MSSW-REMOTE)
- Stem/conduit mount box (STMEHB for 130-205W models, STMLHB for 300W and 370W models) allows for surface mount installation
- Multiple line cords for field installation
- Field-installed In-line 10kVA surge protector for 120/277VAC, 320V,420J (20300032)
- Field-installed In-line 10kVA surge protector for 347/480VAC, 1500V, 570J (20300033)

Specifications are subject to change without notice.
Installation must be performed in accordance with Barron Lighting Group installation instructions.

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Ordering Information (Example: EHB-180-D-VS-4K)

Series	Wattage	Distribution	Input Voltage	CCT	Options (Factory Installed)
EHB	90 = 90W	D = General Diffused	HVS[3] = 347/480VAC	4K = 4000K	BB[4] = Battery backup
	130 = 130W		VS = 120/277VAC	5K = 5000K	LC6 = 6' Line cord, blunt end (300V)
	180[1] = 180W				LC6T = 6' Line cord, L7-20P plug (300V)
	205 = 205W				LC15 = 15' Line cord, blunt end (300V)
	300 = 300W				LC15T =15' Line cord, L7-20P plug (300V)
	370[2] = 370W				MC15 = 15' Line cord (metal clad), blunt end (300V)
					SC = Dimming occupancy sensor (Integral)

	Accessories[5] (Field installed)
	EHB-CTY10 = 10' Cable Mount with Integral Y-Toggles (Pack of 2)
	LC6 = 6' Line cord, blunt end (300V)
	LC6T = 6' Line cord, L7-20P plug (300V)
	LC15 = 15' Line cord, blunt end (300V)
	LC15T = 15' Line cord, L7-20P plug (300V)
	STMEHB[6] = Stem/conduit and surface mount for EHB-130, EHB-180, EHB-205
	STMLHB[6] = Stem/conduit and surface mount for EHB-300, EHB-370
	TL-MSSW[7] = Dimming occupancy sensor (120-277VAC)
	TL-MSSW-REMOTE = Remote for –SC and TL-MSSW dimming sensors
	TL-OCCSNSD-120/277 = On/off occupancy sensor (120/277VAC)
	20300032 = Field-installed In-line 10kVA surge protector for 120/277VAC, 320V, 420J
	20300033 = Field-installed In-line 10kVA surge protector for 347/480VAC, 1500V, 570J

Notes

[1] 180W-HVS configuration is DLC standard qualified

[2] Longer lead times apply for 5000K CCT and HVS configurations

[3] Not compatible with BB or SC options, contact factory for line cords compatible with HVS option

[4] Consult factory for BB option combined with line cord options

[5] Order as a separate line item, shipped in a separate box for installation in the field

[6] Not compatible with EHB-90 model

[7] TL-MSSW is factory install only, as SC, if ordered with BB
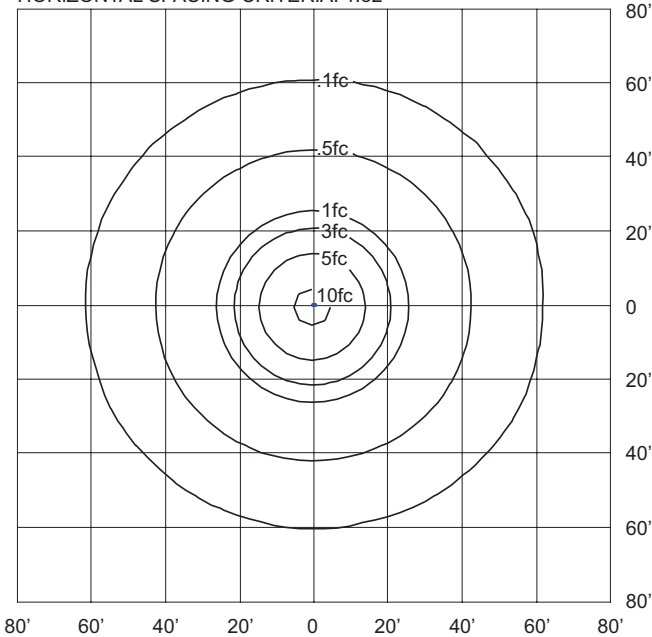
Sample Photometry

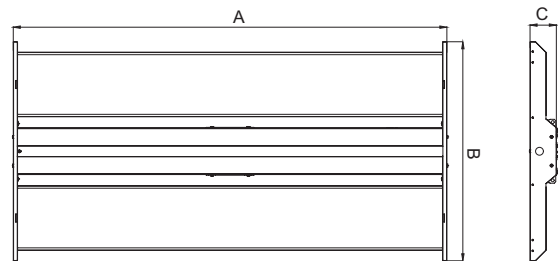### EHB-180-D-VS-5K
IES: TYPE VS Very Short
MOUNTING HEIGHT: **20'**
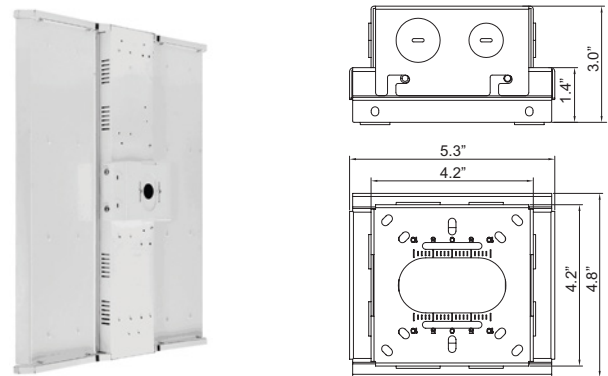TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.32

Dimensions

Model	A	B	C	Net Weight (lbs)
EHB-90	23.9"	10.3"	1.8"	6.8
EHB-130	23.9"	19.7"	1.8"	10.9
EHB-180	23.9"	19.7"	1.8"	11.8
EHB-205	23.9"	19.7"	1.8"	11.8
EHB-300	47.6"	24.0"	2.9"	22.5
EHB-370	47.6"	24.0"	2.9"	22.5

Pendant/Surface Mount Box Details (STEMEHB/STEMLHB Accessories)

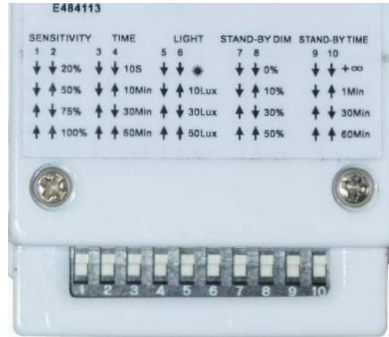BARRON
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Performance

Item	Wattage (W)	CCT	Distribution	Lumens (lm)	Efficacy (LPW)	CRI	Equivalency
EHB-90-D-VS-4K	90W	4000K		12,000	133	80	4-Lamp T5HO/T8 Up to 250W HID
EHB-90-D-VS-5K	90W	5000K		12,600	140	80	
EHB-130-D-VS-4K	130W	4000K		18,000	138	80	6-Lamp T5HO/T8 8-Lamp T8 Up to 400W HID
EHB-130-D-VS-5K	130W	5000K		18,500	142	80	
EHB-180-D-VS-4K	180W	4000K	General Diffused 120°	24,000	133	80	
EHB-180-D-VS-5K	180W	5000K		24,500	136	80	
EHB-205-D-VS-4K	205W	4000K		28,400	139	70	8-Lamp T5HO
EHB-205-D-VS-5K	205W	5000K		29,000	141	70	
EHB-300-D-VS-4K	300W	4000K		39,500	132	80	10-Lamp T5HO 75-1000W HID
EHB-300-D-VS-5K	300W	5000K		40,000	133	80	
EHB-370-D-VS-4K	370W	4000K		49,500	134	80	1000W HID
EHB-370-D-VS-5K	370W	5000K		50,000	136	80	

Sensor Details (Option SC and Accessories TL-MSSW and TL-MSSW-REMOTE)

SC Option (Factory Installed)
TL-MSSW Accessory (Sold Separately)
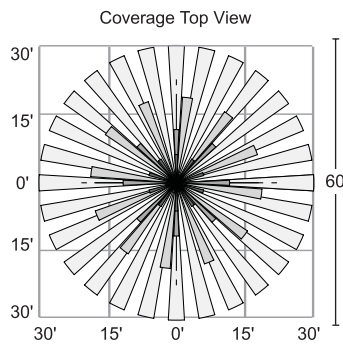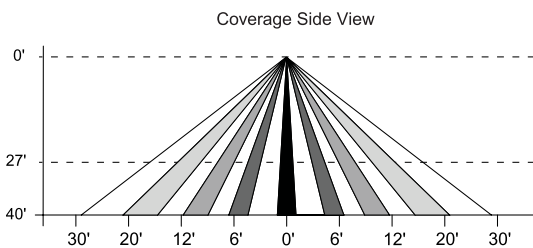

Sensor Dip Switch Settings
(Dip Switches on Sensor)

TL-MSSW-REMOTE Accessory
(Sold Separately)

Sensor Settings (Remote)

DETECTION RADIUS/ANGLE	MAX 60'/360°
MOUNTING HEIGHT	MAX 40'
REMOTE RANGE	MAX 33'
FREQUENCY	5.8 gHz
HIGH MODE	70%, 80%, 90%, 100% (DEFAULT 100%)
SENSITIVITY	20%, 50%, 75%, 100% (DEFAULT 100%)
HOLD TIME	10sec, 1min, 5min, 10min, 15min, 20min, 30min, 60min (DEFAULT 5min)
DAYLIGHT HARVESTING	☀, (disabled), 10Lux, 30Lux, 50Lux, 100Lux, 150Lux, 200Lux, 300Lux (DEFAULT disabled)
STANDBY DIM SETTING	0, 10%, 20%, 30%, OFF (∞), (DEFAULT 30%)
STANDBY TIME SETTING (TO OFF)	ON (disabled), 1min, 30min, 60min (DEFAULT 30min)

Sensor Coverage

Coverage Side View

Coverage Top View

360° Coverage

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