



BAY : ROUND HIGH BAY

DESCRIPTION

A cost-effective solid state solution for highbay applications, providing one-for-one replacement of high-wattage HID fixtures.

FEATURES

- 125 lpw ultra-high efficiency delivers superior performance over legacy HID highbays
- Instant-on with no warmup
- Continuous dimming to 10%

LISTINGS

- UL Listed for wet locations
- IP65 Rated – protected from total dust ingress; protected from low-pressure water jets from any direction
- DesignLights Consortium® Premium Qualified - meets the requirements for the highest DLC qualification for efficacy and lumen maintenance

PERFORMANCE

- LED Rated lifetime L90: 50,000 hours
- 4000K, 5000K CCT
- CRI: 80+
- 3C: up to 13,350 @ 100W (136lpw)
- 4C: up to 21,100 @ 150W (137lpw)
- 5C: up to 27,360 @ 200W (134lpw)

THERMAL

- -40°F to 122°F (-40°C to +50°C) operating temperature

ELECTRICAL

- Input voltage: 100-277V, 200-480V
- Dimmable power supply (0-10V)
- Driver efficiency: >85%
- Power Factor: >.95
- THD: <20%

CONSTRUCTION

- Lightweight construction (8.6–10.8 lbs) allows for quick and easy installation
- Glass lens for long life in harsh conditions
- Stainless steel hardware
- Magnesium alloy heatsink with durable powder coat finish
- 6' cord included

WARRANTY

- 5 year limited warranty; see eiko.com for warranty details

project name	type
catalog number	
comments	voltage
approved by	date



APPLICATIONS

- Warehouses
- Manufacturing Plants
- Distribution Centers
- Grocery Stores
- Gymsnasiums
- Indoor Recreational Facilities
- Cold Storage
- Big Box Retail
- Service Repair Centers



ORDERING INFORMATION

EXAMPLE: BAY-3C-50K-U

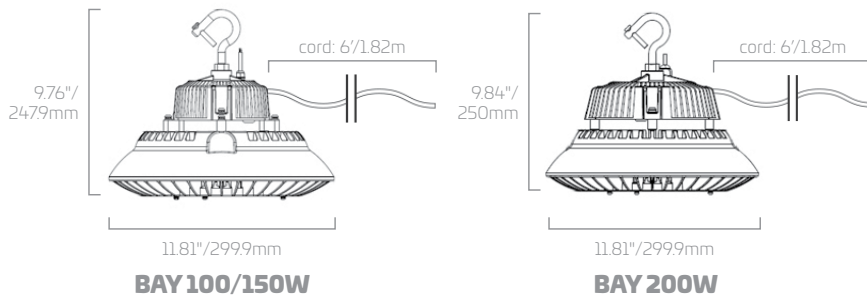
Model	Package	CCT	Voltage
BAY : Round High Bay	3C - 100W; 13,350 lm 4C - 150W; 21,100 lm 5C - 200W; 27,360 lm	40K - 4000K 50K - 5000K	U - 100-277V V - 200-480V

PERFORMANCE SUMMARY

Order Code	Item #	Watts	Lumens	LPW	CCT	CRI	Dimming	Volts	DLC
09796	BAY-3C-40K-U	100W	13,350	125	4000K	80+	1-10V	100-277V	P
09582	BAY-3C-50K-U	100W	13,350	125	5000K	80+	1-10V	100-277V	P
09797	BAY-3C-40K-V	100W	13,350	125	4000K	80+	1-10V	200-480V	P
09588	BAY-3C-50K-V	100W	13,350	125	5000K	80+	1-10V	200-480V	P
09798	BAY-4C-40K-U	150W	21,100	125	4000K	80+	1-10V	100-277V	P
09583	BAY-4C-50K-U	150W	21,100	125	5000K	80+	1-10V	100-277V	P
09799	BAY-4C-40K-V	150W	21,100	125	4000K	80+	1-10V	200-480V	P
09589	BAY-4C-50K-V	150W	21,100	125	5000K	80+	1-10V	200-480V	P
09800	BAY-5C-40K-U	200W	27,360	125	4000K	80+	1-10V	100-277V	P
09584	BAY-5C-50K-U	200W	27,360	125	5000K	80+	1-10V	100-277V	P
09801	BAY-5C-40K-V	200W	27,360	125	4000K	80+	1-10V	200-480V	P
09590	BAY-5C-50K-V	200W	27,360	125	5000K	80+	1-10V	200-480V	P

P DesignLights Consortium® Premium Qualified. See note below regarding reflectors.

DIMENSIONS



LUMEN MAINTENANCE*

Ambient Temp	Lumen Depreciation	Reported Hours
25°C	L90	50,000
	L80	>60,000
	L70	>60,000
40°C	L90	>33,000
	L80	>60,000
	L70	>60,000
50°C	L90	>28,000
	L80	>60,000
	L70	>60,000

*In accordance with IES TM-21 per ENERGY STAR® Calculator rev. 02.08.2016

AVAILABLE ACCESSORIES

Order Code	Item #	Description
09914	BAY-REFLECTOR-CV16	16" Cloudveil™ Reflector
09915	BAY-REFLECTOR-CV22	22" Cloudveil™ Reflector
09585	BAY-REFLECTOR BT-AL-60D*	60° Beam Aluminum Reflector
09586	BAY-REFLECTOR BT-AL-90D*	90° Beam Aluminum Reflector
09587	BAY-REFLECTOR BT-PC-70D*	70° Beam Polycarbonate Reflector
10387	BAY-REFLECTOR-AC16	Light Reflector Clear Acrylic
10382	BAY-CCL-16	16" Clear Conic Lens Acrylic
10384	BAY-CCL-22	22" Clear Conic Lens Acrylic
10383	BAY-CDL-16	16" Clear Drop Lens Acrylic
10385	BAY-CDL-22	22" Clear Drop Lens Acrylic
10386	BAY-CWB-16	16" Clear Wide Bay Lens Acrylic
10380	BAY-BAND-16	Stainless Steel Clamp Band, 16" Reflectors
10381	BAY-BAND-22	Stainless Steel Clamp Band, 22" Reflectors
09912	BAY-WG-AL	Wireguard, Aluminum Reflector
09913	BAY-WG-GL	Wireguard, Glass
09911	BAY-WG-PC	Wireguard, PC Reflector
09910	BAY-SEN-1A-KIT	Occupancy/Photocontrol Sensor Kit, Remote Controllable
10378	BAY-PA-1/2NPS-W	Pipe Adaptor 1/2" NPS White
10379	BAY-PA-3/4NPS-W	Pipe Adaptor 3/4" NPS White

*Products with these reflectors installed are DLC Standard qualified.



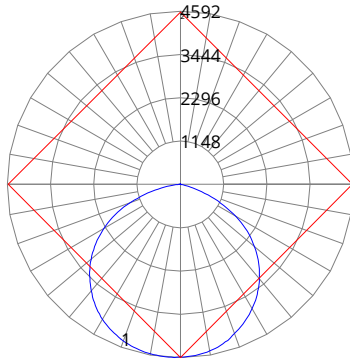
REPLACEMENT CHART

Item #	Voltage	Watts	Lumens	Replaces HID Wattage	Replaces Fluor.	Ceiling Height
BAY-3C-XXK-U	90V-305V	100W	13,350	150W-175W	HBF 4 Lamp T8 and 4 Lamp T5	14' to 20'
BAY-3C-XXK-V	180V-528V	100W	13,350	150W-175W	HBF 4 Lamp T8 and 4 Lamp T5	14' to 20'
BAY-4C-XXK-U	90V-305V	150W	21,100	250W-320W	HBF 6 Lamp T8 and 4 Lamp T5	16' to 24'
BAY-4C-XXK-V	180V-528V	150W	21,100	250W-320W	HBF 6 Lamp T8 and 4 Lamp T5	16' to 24'
BAY-5C-XXK-U	90V-305V	200W	27,360	320W-400W	HBF 8 Lamp T8 and 6 Lamp T5 HO	20' to 24'
BAY-5C-XXK-V	249V-528V	200W	27,360	320W-400W	HBF 8 Lamp T8 and 6 Lamp T5 HO	20' to 24'

PHOTOMETRICS

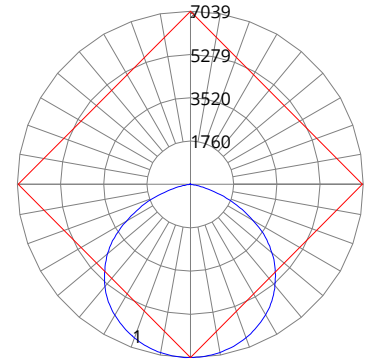
BAY-3C

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	3601.36	28.1%
0-40	5936.55	46.3%
0-60	10557.55	82.3%
0-80	12699.23	99.0%
0-90	12776.2	99.6%
60-80	2141.68	16.7%
70-80	618.85	4.8%
80-90	76.97	0.6%
0-180	12828.62	100%



BAY-4C

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	7328.76	28.4%
0-40	12106.48	46.9%
0-60	21457.29	83.1%
0-80	25590.59	99.1%
0-90	25709.37	99.6%
60-80	4133.3	16.0%
70-80	1171.47	4.5%
80-90	118.78	0.5%
0-180	25812.84	100%



BAY-5C

ZONAL LUMEN SUMMARY		
Zone	Lumens	%Fixture
0-30	5532.23	28.4%
0-40	9146.58	47.0%
0-60	16220.8	83.3%
0-80	19296.27	99.1%
0-90	19387.63	99.6%
60-80	3075.47	15.8%
70-80	868.22	4.5%
80-90	91.36	0.5%
0-180	19465.75	100%

