



Cat.#		Approvals
Job	Type	



SPECIFICATIONS

Intended Use:

For high-mounting areas that require high light output and high energy efficiency. The 200W E-HID ECOBAY™ is designed for “one-for-one” replacement of less efficient 400W MH fixtures, providing low installation costs, and greatest energy savings. Ideal for warehouses, manufacturing areas and large retailers. Not suitable for installation in areas of extreme environmental containments.

Construction:

ECOBAY™ fixture is provided in a Unit Pack configuration – the ballast housing, lamp and reflector packaged in a single carton. Housing is made of heavy-duty, corrosion resistant galvanized steel, providing long-lasting structural strength in a slim, sleek ballast housing. Galvanized steel finish.

Optics:

Lamp: Open rated, clear pulse start 200w Ceramic Metal Halide lamp (Sylvania catalog number MCP200/PS/BU-ONLY 940). 92 CRI. EX39 mogul base. ANSI code C190/BT28.

Reflector: Two reflector styles available:

- BI- 14" spun aluminum for even distribution and optimal downlight
- WW22- 22" acrylic refractor for low glare with an upright component to prevent “cave effect”

Both reflectors are field adjustable for easy transition between narrow, medium, and wide distributions.

Bottom Lenses: Accessory lenses are available for the reflectors:

- BL-LR14 Glass bottom lens for the BI reflector
- WA2ENC Clear acrylic bottom lens for the WA22 refractor

Wire guards and additional lensing options are available, contact factory for details.

Electrical:

Amp Draw: 1.1A at 208v, 0.9A at 240v, 0.8A at 277v.

Ballast: High efficiency, low frequency pulse start electronic ballast powers a 200w pulse start lamp with only 13w loss. Ballast voltage input is continuous from 200v to 300v. ANSI code M136/C190. Ballast and fixture are an integral design for optimal thermal management. Ballast is thermally protected. High power factor, low harmonics (THD<10%). Minimum start temperature -30°C. Complies with FCC 47-CFR Part 18, Non-consumer. Compliant with energy efficiency standards of the Energy Independence and Security Act of 2007 (EISA). Continuous full light output only.

Socket: Fixture socket is a Mogul EX39 exclusionary style (Pink Socket). For use with NEC compliant “O” rated protected metal halide lamps only. Standard units not available with QSS or QST option.

Installation:

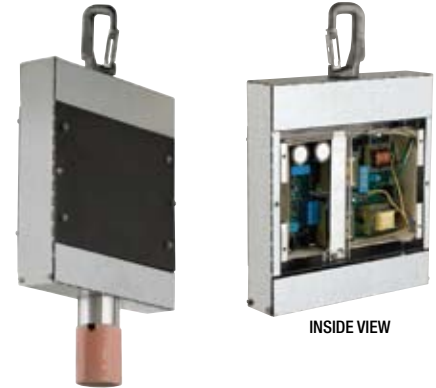
The E-HID installs as a “one-for-one” replacement of existing 400W MH fixtures. Single point mount via hook or ¾” conduit. Light weight of the fixture facilitates an easy and cost-effective installation.

Listings:

Listed to UL standard 1598 for damp locations. Rated up to 55°C ambient temperature

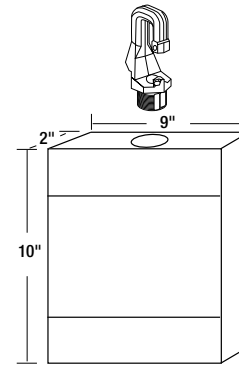
Warranty:

Five years from the date of purchase for ballast housing. (Note: fixture ships with Sylvania lamp with standard one year warranty. We strongly recommend re-lamping with the Sylvania lamp noted below).

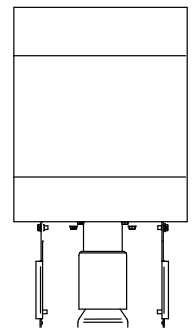


DIMENSIONS

Hook Mount
(order Hook separately)

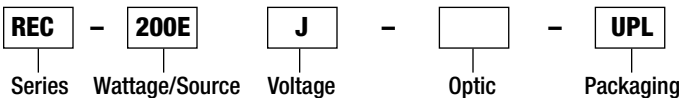


Fits standard mounting brackets



ORDERING INFORMATION

ORDERING EXAMPLE: REC-200EJ-BI-UPL



SERIES	WATTAGE/SOURCE	VOLTAGE	OPTIC	PACKAGING
REC E-HID ECOBAY	200E 200w Electronic Pulse Start Metal Halide	J 200V-300V	BI 14" Aluminum Reflector WW22 22" Acrylic Refractor	UPL Unit Pack- Ballast housing, optic, lamp in single carton

REPLACEMENT LAMP

93027827 200w Mogul EX39 (Sylvania)

ACCESSORIES

CATALOG	DESCRIPTION
BL-LR14	Bottom Enclosure – REC-200EJ-BI-UPL
WA2-ENC	Bottom Enclosure – REC-200EJ-WW22-UPL
HOOKLOOP	Hook Mount (included in unit pack)
BLA-C4HLP4	4' Cord, Hook/Mount and 277V 20A Twist-Lock® Plug



QUICK ESTIMATOR

To determine number of luminaires required for a given illuminance level:

Step 1: Determine room size per column three below as 5 or more (Large Room), 2 (Medium Room) or 1 (Small Room).

Step 2: For desired footcandle level, per room size, divide floor area of space by "Approximate Area per Luminaire" from chart.

Step 3: If required, adjust result of Step 2 to "whole number". Result is quantity of luminaires required to provide approximate, average maintained illuminance selected.

Observe spacing criterion (SC) for specific applications. 50/50/20 Room surface reflectances assumed.
LLF Basis Cat. V, Clean Atmosphere, 12 Mo. clean cycle. (LLF=BFxLLDxDLD)

Lamp Qty. - Lu/Lp Input Watts	SC @ 4 LLF Test #	Room Width - / - Mounting Height (above floor)	Illuminance (Maintained)				
			Approximate Area per Luminaire (Sq. Ft.) / Approximate Watts Per. Sq. Ft. (w/Blst. Losses)				
			10 fc	20 fc	50 fc	75 fc	100 fc
MCP200/PS/BUONLY/940 1@ 21000 221.00	1.7 / WIDE 0.81 REC-200EJ-BI (POS. A)	5 or more	1225 / 0.18	612 / 0.36	245 / 0.90	163 / 1.35	n.r. / n.r.
		2	1004 / 0.22	502 / 0.44	201 / 1.10	134 / 1.65	n.r. / n.r.
		1	663 / 0.33	332 / 0.67	133 / 1.67	88 / 2.50	n.r. / n.r.
MCP200/PS/BUONLY/940 1@ 21000 221.00	1.5 / MEDIUM 0.81 REC-200EJ-BI (POS. D)	5 or more	1293 / 0.17	646 / 0.34	259 / 0.85	172 / 1.28	129 / 1.71
		2	1072 / 0.21	536 / 0.41	214 / 1.03	143 / 1.55	107 / 2.06
		1	765 / 0.29	383 / 0.58	153 / 1.44	102 / 2.17	77 / 2.89
MCP200/PS/BUONLY/940 1@ 21000 221.00	1.1 / NARROW 0.81 REC-200EJ-BI (POS. G)	5 or more	1276 / 0.17	638 / 0.35	255 / 0.87	170 / 1.30	128 / 1.73
		2	1106 / 0.20	553 / 0.40	221 / 1.00	147 / 1.50	111 / 2.00
		1	851 / 0.26	425 / 0.52	170 / 1.30	113 / 1.95	85 / 2.60
MCP200/PS/BUONLY/940 1@ 21000 221.00	1.6 / WIDE 0.81 REC-200EJ-WW22 (POS. A)	5 or more	1344 / 0.16	672 / 0.33	269 / 0.82	179 / 1.23	134 / 1.64
		2	1072 / 0.21	536 / 0.41	214 / 1.03	143 / 1.55	107 / 2.06
		1	731 / 0.30	366 / 0.60	146 / 1.51	98 / 2.27	73 / 3.02
MCP200/PS/BUONLY/940 1@ 21000 221.00	1.5 / MEDIUM 0.81 REC-200EJ-WW22 (POS. D)	5 or more	1327 / 0.17	663 / 0.33	265 / 0.83	177 / 1.25	133 / 1.67
		2	1072 / 0.21	536 / 0.41	214 / 1.03	143 / 1.55	107 / 2.06
		1	748 / 0.30	374 / 0.59	150 / 1.48	100 / 2.21	75 / 2.95
MCP200/PS/BUONLY/940 1@ 21000 221	1.4 / NARROW 0.81 REC-200EJ-WW22 (POS. I)	5 or more	1361 / 0.16	680 / 0.32	272 / 0.81	181 / 1.22	136 / 1.62
		2	1123 / 0.20	561 / 0.39	225 / 0.98	150 / 1.48	112 / 1.97
		1	799 / 0.28	400 / 0.55	160 / 1.38	107 / 2.07	80 / 2.76

ENERGY SAVING DATA

Energy and Cost Savings Comparison	
400W Probe Start System	
400W Probe Start MH	400W
Ballast Wattage Losses	60W
Total Wattage	460W

200W ECOBAY™	
200W Electronic Ceramic MH	200W
Ballast Wattage Losses	13W
Total Wattage	213W
Energy Savings (Watts)	247W

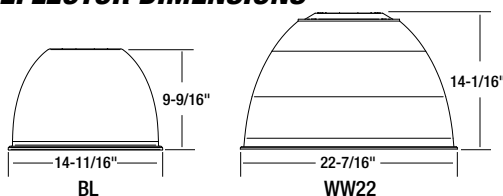
Annual Savings & Payback*	
Annual Savings per fixture	\$216.37
Payback	Less than 12 months

*Based on 8,760hrs operation at \$0.10/KWH

Annual Savings to Convert 1 400W MH to 200W E-HID ECOBAY™

Kilowatt Hour Rate	Operating Hours Per Year						
	2000	3000	4000	5000	6000	8000	8760
\$.06	\$29.64	\$44.46	\$59.28	\$74.10	\$88.92	\$118.56	\$129.82
\$.08	\$39.52	\$59.28	\$79.04	\$98.80	\$118.56	\$158.08	\$173.10
\$.10	\$49.40	\$74.10	\$98.80	\$123.50	\$148.20	\$197.60	\$216.37
\$.12	\$59.28	\$88.92	\$118.56	\$148.20	\$177.84	\$237.12	\$259.65
\$.14	\$69.16	\$103.74	\$138.32	\$172.90	\$207.48	\$276.64	\$302.92
\$.16	\$79.04	\$118.56	\$158.08	\$197.60	\$237.12	\$316.16	\$346.20

REFLECTOR DIMENSIONS



ORDERING INFORMATION

CATALOG	DESCRIPTION	WATTAGE	LAMP TYPE	FINISH	WT.
REC-200EJ-BI-UPL	200w Electronic ballast housing, 14" spun alum. refl. with Ceramic PS lamp; Unit Pack, Hook Loop	200	Ceramic PS	Galv.	15lbs
REC-200EJ-WW22-UPL	200w Electronic ballast housing, 22" opaque acrylic refl. with Ceramic PS lamp; Unit Pack, Hook Loop	200	Ceramic PS	Galv.	22lbs

Due to our continued efforts to improve our products, product specifications are subject to change without notice.