

Industrial LED Lighting

CROUSE-HINDS
SERIES

IHBE LED

High bay lighting for industrial areas



Safe. Reliable. Efficient.
13,000 to 52,000 lumens



Powering Business Worldwide

Safe. Reliable. Efficient.

Featuring a broad range of LED luminaires for harsh, hazardous and industrial environments, Eaton Crouse-Hinds series lighting solutions are designed to perform reliably in the most extreme conditions while helping reduce energy, maintenance and manpower costs.

Why LED?

Useful life

Rated life is up to 50,000 hours of maintenance-free and safe operation

Energy efficiency

LED average energy consumption is significantly less than traditional fluorescent and HID fixtures

Start/restart time

Instant illumination versus 10 minute restrike time for HID

Light quality

Higher color rendering compared to fluorescent and HID

Environmental benefits

Mercury-free LED eliminates disposal costs and lowers energy consumption for a smaller carbon footprint

Why Eaton?

Rugged design

Built to withstand extreme temperatures, vibration, water and dust

High efficacy

Up to 133 lumens per watt (model dependent)

Thermal management

Effective heat sinking ensures longer life

Quality of light

Custom optics designed to maximize light distribution and intensity

Versatile mounting

LED fixtures are compatible with Crouse-Hinds series HID installed base

IHBE LED Luminaires

Eaton's Crouse-Hinds series IHBE LED fixtures are the perfect replacement for 250W to 1,500W+ HID and 2-10 lamp T8, T12 and T5HO fluorescent high bay fixtures. Available in 4 models ranging from 13,000 to 52,000 lumens; the IHBE delivers up to 133 lumens per watt and provides up to 77% energy savings over traditional HID fixtures.

Model	Typical lumens*	Wattage	Lumens per watt	Equivalent HID luminaire
IHBE-13L	13,200	100	133	400W-600W
IHBE-20L	20,000	150	130	600W-750W
IHBE-30L	31,200	240	130	750W-1000W
IHBE-50L	52,000	400	133	1500W-2000W

* Tolerance +/- 10%. Typical lumens is measured with Type V optics and 120° beam angle.

Features:

- Instant illumination and restrike
- Serviceable drivers
- Better visibility with crisp, white light
- Cold temperature operation / no warm-up required
- Energy-efficient - up to 133 lumens per Watt
- Contains no mercury or other hazardous substances
- Shock resistant and vibration resistant solid-state luminaires
- No filaments or glass components
- Operating ambient: -30°C to +45°C
- Full cut-off with no wasted light above the fixture

Applications:

- Ordinary non-hazardous locations with mounting heights up to 60 feet
- Light industrial, platforms, loading docks, tunnels, indoor/outdoor spotlighting, outdoor general area lighting and areas requiring frequent on-and-off of lights
- Locations requiring continuous and consistent light levels in extreme ambient temperatures
- Where wet, dusty, hot and/or cold conditions exist

Materials:

- Housing and heat sink: die cast aluminum alloy ADC12
- Lens and optic assemblies: polycarbonate

Certifications:

- NEC/CEC: IP65
- UL standard: UL1598
- CSA Standard: CSA C22.2 No. 250
- RoHS compliance: RoHS 3



Electrical ratings

	13L	20L	30L	50L
Input power (watts)	100	150	237	395
Input amps at 120-277 VAC	0.84-0.37	1.26-0.57	1.99-0.88	3.30-1.42
THD - Total Harmonic Distortion	8.51	8.69	7.33	6.64
Power Factor	0.97	0.97	0.98	0.98

Voltage range at 50/60 Hz

UNV1	120-277 VAC; 127-400 VDC
UNV34	347-480 VAC

Ordering information

IHBE 20L - W - 60 - UNV1

Lamp/function

13L	13,200 lumen LED
20L	20,000 lumen LED
30L	31,200 lumen LED
50L	52,000 lumen LED

Color temperature

BLANK	Cool, 5000K, 80 CRI
W*	Warm, 3000K, 80 CRI
N*	Neutral, 4000K, 80 CRI

*Non-stock item, consult factory for lead time.

Type V optics

BLANK	Standard 120° angle (all models)
45	Narrow 45° angle (30L and 50L models only)
60	Narrow 60° angle (13L and 20L models only)

Replacement driver kits (sold separately)

IHBE-13L-UNV1-DRIVER-KIT	UNV1 driver for 13L
IHBE-13L-UNV34-DRIVER-KIT	UNV34 driver for 13L
IHBE-20L-UNV1-DRIVER-KIT	UNV1 driver for 20L
IHBE-20L-UNV34-DRIVER-KIT	UNV34 driver for 20L
IHBE-30L-UNV1-DRIVER-KIT	UNV1 driver for 30L
IHBE-30L-UNV34-DRIVER-KIT	UNV34 driver for 30L
IHBE-50L-UNV1-DRIVER-KIT	UNV1 driver for 50L
IHBE-50L-UNV34-DRIVER-KIT	UNV34 driver for 50L

Accessories (sold separately)

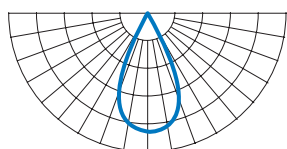
IHBE-S812-K1*	Trunnion mount for 13L-20L
IHBE-S812-K2*	Trunnion mount for 30L
IHBE-CORD	10 ft. cord and IP65 connector
IHBE-REFLECT1	Aluminum reflector for 13L-20L
IHBE-REFLECT2	Aluminum reflector for 30-50L models
IHBE-GUARD1	Wire guard for 13L-30L
IHBE-GUARD2	Wire guard for 50L model
IHBE-S831 KIT	Safety chain (1 meter) with J hooks
IHBE-OC-SENSOR**	Occupancy sensor 120-277 VAC
IHBE-REMOTE**	Remote control for occupancy sensor
IHBE-PHOTOCELL	Photocell 120-277 VAC
UNH1	½" female, flexible fixture hanger
UNH2	¾" female, flexible fixture hanger
UNH16	½" male, flexible fixture hanger
UNH26	¾" male, flexible fixture hanger

*Trunnion mount is standard on IHBE50L models.

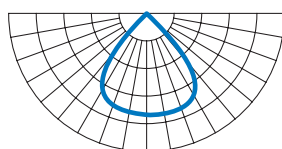
**Minimum of one remote control must be purchased with occupancy sensor. Remote control can be configured for use with multiple occupancy sensors.

Beam patterns

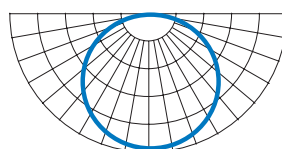
LM-79, LM-80 and IES files available upon request.



Narrow: 45°

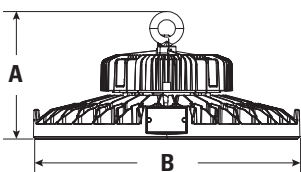


Narrow: 60°



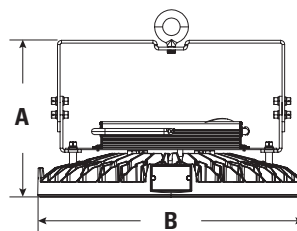
Wide: 120°

Dimensions



Standard mount

	A		B	
	in.	mm	in.	mm
13L	4.665	118.5	11.811	300.0
20L	6.043	153.5	11.811	300.0
30L	6.771	172.0	15.354	390.0



Trunnion mount

	A		B	
	in.	mm	in.	mm
13L	9.842	250.0	11.811	300.0
20L	9.842	250.0	11.811	300.0
30L	9.527	242.0	15.354	390.0
50L	9.527	242.0	15.354	390.0

Weights

13L	lbs	kg
UNV1	8.4	3.8
UNV34	11.2	5.1

20L	lbs	kg
UNV1	9.3	4.2
UNV34	11.2	5.1

30L	lbs	kg
UNV1	16.3	7.4
UNV34	17.2	7.8

50L	lbs	kg
UNV1	19.2	8.7
UNV34	19.4	9.0

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