

IHBE industrial high bay LED luminaires

UL Listed
CSA Certified
RoHS Compliant
IP65

2L

2L

The IHBE LED family

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 four models ranging from 13,000 lumens 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 ^A	Watts	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

Applications:

- Ordinary non-hazardous locations with mounting heights up to 60 feet
- Heavy industrial, mine site processing areas, 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 extremely wet, dusty, hot and/or cold conditions exist

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- and vibration-resistant solid state luminaires have no filaments or glass components that could break – greatly reduces the risk of premature failure
- Operating ambient: -30°C to +45°C
- Full cut-off with no wasted light above the fixture

Certifications and compliances:

NEC/CEC:

- IP65

UL standard:

- UL1598 – Luminaire

CSA standard:

- C22.2 No. 250

Additional certifications:

- RoHS compliance: RoHS 3

Standard materials:

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

Photometrics:

- Refer to www.eaton.com (under the Resources tab of each product family) for specific photometric IES files

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



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

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Ordering information:

Part number example
IHBE20L-W-60-UNV1

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

Type V optics	
BLANK	Standard 120° angle (<i>all models</i>)
45	Narrow 45° angle (<i>30L and 50L models only</i>)
60	Narrow 60° angle (<i>13L and 20L models only</i>)

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

Accessories (ordered separately):

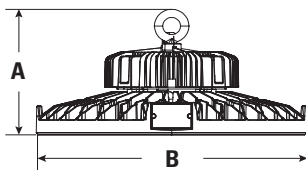
IHBE-S812-K1[Ⓒ]	Trunnion mount for 13L-20L models
IHBE-S812-K2[Ⓒ]	Trunnion mount for 30L model
IHBE-CORD	10 ft. cord and IP65 connector
IHBE-REFLECT1	Aluminum reflector for 13L-20L models
IHBE-REFLECT2	Aluminum reflector for 30L-50L models
IHBE-GUARD1	Wire guard for 13L-30L models
IHBE-GUARD2	Wire guard for 50L model
IHBE-S831 KIT	Safety chain (1 meter) and J hooks
IHBE-OC-SENSOR[Ⓢ]	Occupancy sensor, 120-277 VAC
IHBE-REMOTE[Ⓢ]	Remote control for occupancy sensor
IHBE-PHOTOCEL	Photocell, 120-277 VAC
UNH1	1/2" female, flexible fixture hanger
UNH2	3/8" female, flexible fixture hanger
UNH16	1/2" male, flexible fixture hanger
UNH26	3/8" male, flexible fixture hanger

Replacement driver kits (ordered 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 30L
IHBE-50L-UNV1-DRIVER-KIT	UNV1 driver for 50L
IHBE-50L-UNV34-DRIVER-KIT	UNV34 driver for 50L

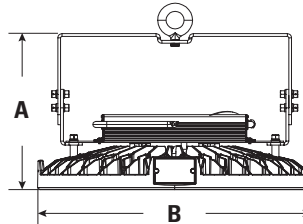
Dimensions:

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

[Ⓢ] Non-stock item; consult factory for lead time.

[Ⓒ] 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.