

IHB Series High Bay LEDs

(for light industrial applications indoor)

The powerful moisture-proof series of high bay light fittings

The energy saving IHB series high bay LED is resistant against humid environments and is well suited for the high bay illumination in industrial areas as production halls, pack stations or warehouses.

High savings by an efficient light technique

With their high efficient LED technique and 117 Lumen/Watt this modular designed light fittings enables the replacement of conventional HID light fittings from 250 W up to 1000 W respective fluorescent light fittings from 4 up to 10 T5-lamps by comparable luminous flux and drastically reduced cost of energy (up to 67 % in comparison with HID-lamps!). The IHB light fittings are also resistant against frequent switching cycles and need no starting phase as HID or fluorescent lights.

Ideal for difficult to access areas

With its long and nearly maintenance-free lifetime up to 120,000 h this light fitting ideally can be used in areas with difficult access, where maintenance and lamp-replacement is a considerable cost factor.

Wide temperature range for extreme conditions

Thanks to temperature range from - 40 °C up to +60 ° the light fittings can be used in many applications.

The right size for your application

In order to prevent the use of different light systems for the illumination of a consistent project, the IHB series high bay LED is available in 6 different types with a light output from 16,900 lumen up to 67,600 lumen (8,450 lumen on request). The luminaire can be dimmed by a control input 0-10 V.



Features

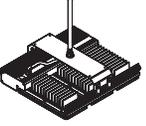
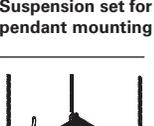
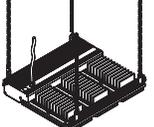
- High performance LED-module with 117 Lumen/Watt
- Standard types with light output from 16,900 lm up to 67,600 lm
- Up to 67 % energy savings compared to conventional HID lamps.
- Dimmable by control input 0-10 V
- Occupancy sensor for energy saving presence control with remote control for configuration as accessories
- Resistant against switching-cycles
- High efficient heat sink design for an optimised temperature management
- Suitable for damp location
- Wide ambient temperature range from -40 °C up to +60 °C

Ordering details

Type	Lamp / illuminant	No. of LED modules	Rated luminous flux of the luminaire	Weight	Order No.
 IHB8L	IHB8L/UNV1DCE*) LED system 71 W	1	8,450 lm	3.7 kg	IHB8L UNV1DCE
 IHB16L	IHB16L/UNV1DCE LED system 145 W	2	16,900 lm	7.7 kg	IHB16L UNV1DCE
 IHB24L	IHB24L/UNV1DCE LED system 216 W	3	25,350 lm	12.3 kg	IHB24L UNV1DCE
 IHB32L	IHB32L/UNV1DCE LED system 289 W	4	33,800 lm	16.3 kg	IHB32L UNV1DCE
 IHB48L	IHB48L/UNV1DCE LED system 436 W	6	50,700 lm	24.5 kg	IHB48L UNV1DCE
 IHB64L	IHB64L/UNV1DCE LED system 582 W	8	67,600 lm	33.6 kg	IHB64L UNV1DCE

*) on request

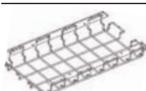
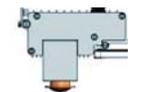
Mounting accessories

Type	Description	Distance to the ceiling	Type of mounting	Order No.
 Suspension set for pendant mounting	IHBP1 KIT Suspension set (8L up to 32L)		¾" pendant mount (cannot be used with dust cover)	IHBP1 KIT
 Suspension set for pendant mounting	IHBP2 KIT Suspension set (48L up to 64L)		¾" pendant mount (cannot be used with dust cover)	IHBP2 KIT
 Suspension set with Jack chain	IHBJ1 KIT Suspension set 48"	3.66 m	Jack chain	IHBJ1 KIT
	IHBJ2 KIT Suspension set 72"	5.49 m	Jack chain	IHBJ2 KIT
	IHBJ3 KIT Suspension set 96"	7.36 m	Jack chain	IHBJ3 KIT
	IHBJ4 KIT Suspension set 120"	9.14 m	Jack chain	IHBJ4 KIT
	IHBJ5 KIT Suspension set 144"	10.97 m	Jack chain	IHBJ5 KIT
 Suspension set with aircraft cable	IHBA1 KIT Suspension set 40"	3.05 m	Aircraft cable	IHBA1 KIT
	IHBA2 KIT Suspension set 80"	6.10 m	Aircraft cable	IHBA2 KIT
	IHBA3 KIT Suspension set 120"	9.14 m	Aircraft cable	IHBA3 KIT
	IHBA4 KIT Suspension set 180"	13.72 m	Aircraft cable	IHBA4 KIT

Ordering details

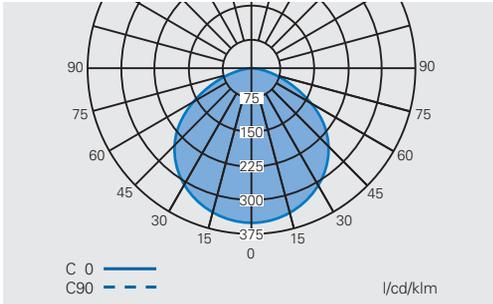
IHB LED for light industrial applications indoor

Mounting accessories

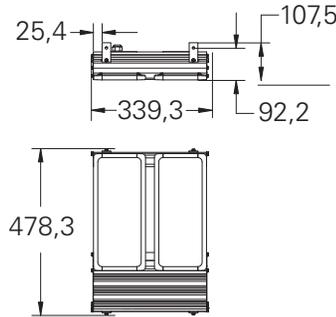
	Type	Description	Order-No.
 <p>Fully enclosed dust cover</p>	IHB8L DC1 KIT	IHB 8L fully enclosed dust cover	6 2276 544 90
	IHB16L DC1 KIT	IHB 16L fully enclosed dust cover	6 2276 544 69
	IHB24L DC1 KIT	IHB 24L fully enclosed dust cover	6 2276 544 71
	IHB32L DC1 KIT	IHB 36L fully enclosed dust cover	6 2276 544 74
	IHB48L DC1 KIT	IHB 48L fully enclosed dust cover	6 2276 544 76
	IHB64L DC1 KIT	IHB64L fully enclosed dust cover	6 2276 544 88
 <p>Open ended dust cover</p>	IHB8L DC2 KIT	IHB 8L open ended dust cover	6 2276 544 91
	IH16L DC2 KIT	IHB 16L open ended dust cover	6 2276 544 70
	IHB24L DC2 KIT	IHB 24L open ended dust cover	6 2276 544 73
	IHB32L DC2 KIT	IHB 32L open ended dust cover	6 2276 544 75
	IHB48L DC2 KIT	IHB 48L open ended dust cover	6 2276 544 77
	IHB64L DC2 KIT	IHB 64L open ended dust cover	6 2276 544 89
 <p>Lens guard</p>	IHB G KIT	Lens guardt (needed number pre light fitting: IHB 8L: 1; 16L: 2; 24L: 3; 32L: 4; 48L: 5; 64L: 6)	6 2276 543 97
 <p>Occupancy sensor</p>	IHB C1 KIT	Occupancy sensor W/FSP-L2 lens (built-in); mounting hight 2.44 m; max. coverage Ø14.63 m	6 2276 543 93
	IHB C2 KIT	Occupancy sensor W/FSP-L3 lens (built-in); mounting hight 6.10 m; max. coverage Ø12.20 m	6 2276 543 94
	IHB C3 KIT	Occupancy sensor W/FSP-L4 lens (built-in); mounting hight 12.20 m; max. coverage Ø18.29 m	6 2276 543 95
	IHB C4 KIT	Occupancy sensor W/FSP-L7 lens (built-in); mounting hight 12.20 m; max. coverage Ø30.48 m	6 2276 543 96
 <p>Remote control</p>	Remote Control 1	Remote control for parameter configuration	6 2276 543 48
		Additional mounting material on request	

Dimension drawing / Polar curve

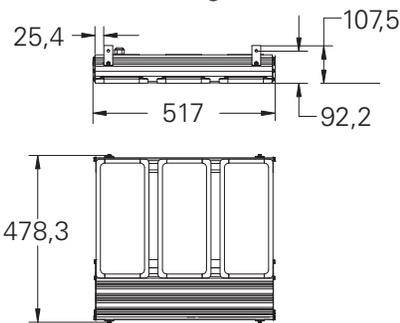
Polar curve wide-angle IHB16L . 64L LED



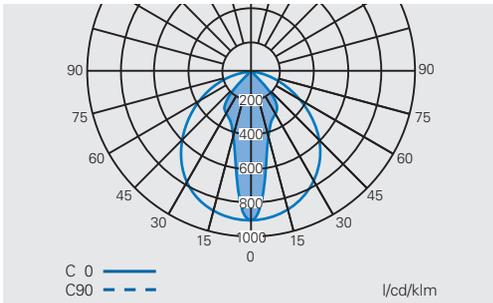
Dimension drawing IHB16L LED



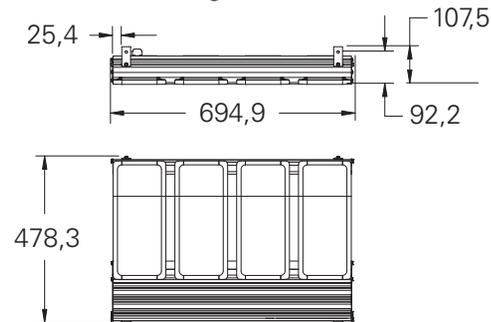
Dimension drawing IHB24L LED



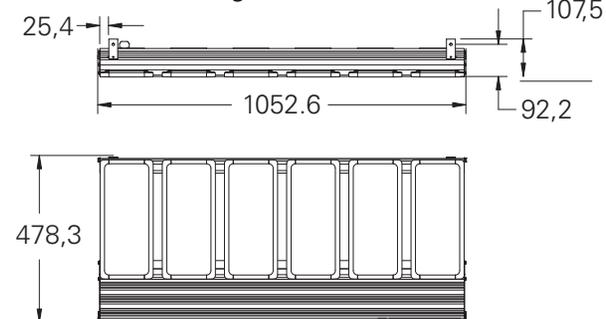
Polar curve narrow-angle IHB16L . 64L LED (on request)



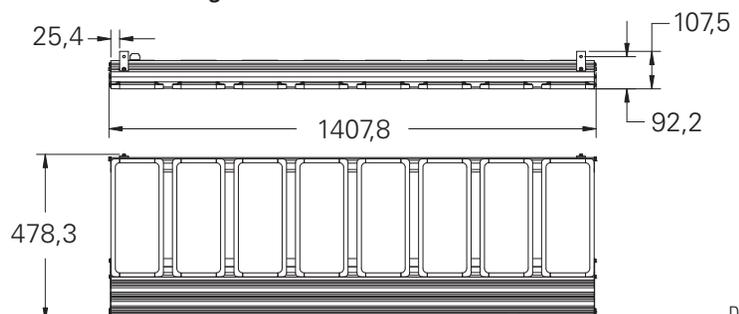
Dimension drawing IHB32L LED



Dimension drawing IHB48L LED



Dimension drawing IHB64L LED



Dimensions in mm

Technical data

IHB LED for light industrial applications indoor



Technical data

	IHB16L/UNV1	IHB24L/UNV1	IHB32L/UNV1
Permissible ambient temperature	-40 °C up to +60 °C	-40 °C up to +60 °C	-40 °C up to +60 °C
Lifetime fixtures	L80 B10 - 120,000 h at $t_a = +25$ °C L80 B10 - 65,000 h at $t_a = +40$ °C	L80 B10 - 120,000 h at $t_a = +25$ °C L80 B10 - 65,000 h at $t_a = +40$ °C	L80 B10 - 120,000 h at $t_a = +25$ °C L80 B10 - 65,000 h at $t_a = +40$ °C
Rated voltage	100 - 277 V AC; 127 - 250 V DC	100 - 277 V AC; 127 - 250 VDC	100 - 277 V AC; 127 - 250 V DC
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Power	145 W	216 W	289 W
Circuit	electronic driver	electronic driver	electronic driver
Lamp / Illuminant	LED, scope of delivery	LED, scope of delivery	LED, scope of delivery
Light colour	5000 K / R_a 80	5000 K / R_a 80	5000 K / R_a 80
Optic	wide-angle (narrow-angle on request)	wide-angle (narrow-angle on request)	wide-angle (narrow-angle on request)
Rated luminous flux of the luminaire	16,900 lm	25,350 lm	33,800 lm
Dimensions (L x W x H)	478 x 339 x 108 mm	478 x 517 x 108 mm	478 x 695 x 108 mm
Terminals	L, N, PE, max. 1 x 2,5 mm ² mounted cable gland and mains lead 1m ²⁾ Terminals for dimmer, 2 x 2,5 mm ² max.	L, N, PE, max. 1 x 2,5 mm ² mounted cable gland and mains lead 1m ²⁾ Terminals for dimmer, 2 x 2,5 mm ² max.	L, N, PE, max. 1 x 2,5 mm ² mounted cable gland and mains lead 1m ²⁾ Terminals for dimmer, 2 x 2,5 mm ² max.
Enclosure colour	grey	grey	grey
Enclosure material	anodised aluminium	anodised aluminium	anodised aluminium
Weight	7.7 kg	12.3 kg	16.3 kg
Protective cover / protective bowl	tempered glass, clear ¹⁾	tempered glass, clear ¹⁾	tempered glass, clear ¹⁾

¹⁾ Opaque cover and cover in polycarbonate on request

²⁾ Mains lead 3 m optional

Additional mounting material on request



Technical data

	IHB48L/UNV1	IHB64L/UNV1
Permissible ambient temperature	-40 °C up to +60 °C	-40 °C up to +60 °C
Lifetime fixtures	120,000 h at $t_a = +25$ °C 65,000 h at $t_a = +40$ °C	120,000 h at $t_a = +25$ °C 65,000 h at $t_a = +40$ °C
Rated voltage	100 - 277 V AC; 127 - 250 V DC	100 - 277 V AC; 127 - 250 V DC
Frequency	50 - 60 Hz	50 - 60 Hz
Power	436 W	582 W
Circuit	electronic driver	electronic driver
Lamp / Illuminant	LED, scope of delivery	LED, scope of delivery
Light colour/CRI	5000 K / R_a 80	5000 K / R_a 80
Optik	wide-angle (narrow-angle on request)	wide-angle (narrow-angle on request)
Rated luminous flux of the luminaire	50,700 lm	67,600 lm
Dimensions (L x W x H)	478 x 1053 x 108 mm	478 x 1407 x 108 mm
Terminals	L, N, PE, max. 1 x 2,5 mm ² mounted cable gland and mains lead 1m ²) Terminals for dimmer, 2 x 2,5 mm ² max.	L, N, PE, max. 1 x 2,5 mm ² mounted cable gland and mains lead 1m ²) Terminals for dimmer, 2 x 2,5 mm ² max.
Enclosure colour	grey	grey
Enclosure material	anodised aluminium	anodised aluminium
Weight	24.5 kg	33.6 kg
Protective cover / protective bowl	tempered glass, clear ¹⁾	tempered glass, clear ¹⁾

¹⁾ Opaque cover and cover in polycarbonate on request

²⁾ Mains lead 3 m optional

Additional mounting material on request