

IHB-T Series High Temperature LED Light

LED 10-600W	1,400-84,000lm
140-150lm/W Efficiency	100-277V / 347-480V
Type 4X,IP66	-40°C ~ +70°C
Heavy Industry	Wet & Corrosive Location



Model	Lumens	Wattage	Lumens per Watt	Equivalent HID Luminaire
IHB-T-10W	1400	10W	140	70W
IHB-T-30W	4200	30W	140	70–100W
IHB-T-50W	7000	50W	140	100–150W
IHB-T-100W	14000	100W	140	320–400W
IHB-T-150W	21000	150W	140	400–600W
IHB-T-200W	28000	200W	140	600–750W
IHB-T-300W	42000	300W	140	750–1000W
IHB-T-400W	56000	400W	140	—
IHB-T-600W	84000	600W	140	—

Applications

- Can be suitable for: Machinery production workshop, sea port operation areas, metal processing, mining, outdoor warehouse plants and other extreme environment.
- Machinery production lines, high heat workshop, process center in high temperature place and other rugged environment.
- Even though led itself can withstand 185° F (85° C) or more, when led are installed inside a enclosed led light fixture with good heat sink structure to reduce the temperature rise during working, led light fixture can withstand -40°C(-40°F) – +55°C(131°F) for normal environment temperature and climate. Especially, SUREALL IHB-T series high temperature type led lights can withstand -40°C(-40°F) – +70°C(158°F) for high temperature climate areas and high heat workshop.
- For areas with mounting heights of 13–65ft (4–20m). The space is normally very wide to accommodate heavy machinery, and normally very wide to ensure the air flow to cool down the processing areas.

Features

Born for usage of high temperature up to 70°C/158°F, high temperature light IHB-T series is designed with a heat resistance metal housing and led lamp source to be used as high heat resistance led lights, high temperature resistant light fittings, high temperature led lights, high temperature high bay led lighting, Widely application such as steel mill, burning workshop and extremely high temperature climate place like middle east, Africa.

- > Ultra high vertical fins heat sink structure to increase the air flows and heat exchange
- > Multi-modular housing combination structure for high watts and high lumens led
- > Heat resistance design suitable for 70°C/158°F high temperature environment

Standard Materials

Housing: Die cast aluminum with anti-corrosion powder coat, black

Lens: Heat-resistant and impact-resistant tempered glass

Gaskets: Silicone



Technical Datasheet

Rated Voltage	120–277V AC 50/60Hz 347–480V AC 50/60Hz								
Wattage (W)	10W	30W	50W	100W	150W	200W	300W	400W	600W
Lumens (LM)	1400	4200	7000	14000	21000	28000	42000	56000	84000
Color Temperature	5000K/4000K/3000K								
IP Grade	High Temperature, Type 4X, IP66								
Ambient Temperature	–40°C ~ +70°C / –40° F ~ +158° F								
Cable Entry	M25X1.5 (adaptor for M20x1.5, NPT 1", NPT1 1/2")								
Terminals	Terminal blocks ≤ 2.5mm ² , cable diameter 10–14mm								
Mounting Type	Bracket / Hook								
Beam Angle	120° / 90° / 60°								

Catalogue Numbering System

IHB-T	100	B	W	1	V1	
Lamp		Mounting Type		Color Temperature	Beam Angle	Voltage
10–10W		B-Bracket	C–Cool(5000K)	1–120°	V1:120–277V AC	
30–30W		H-Hook	N–Nature(4000K)	2–90°	V2:347–480V AC	
50–50W			W–Warm(3000K)	3–60°		
100–100W						
150–150W						
200–200W						
300–300W						
400–400W						
600–600W						