LEDRHYTHM

LED

PRECISE,HIGH-OUTPUT LIGHTING

Diamond I

NAMED AFTER DIAMOND, IT SYMBOLIZES ETERNITY, BRILLIANCE AND UNPARALLELED DURABILITY.
DIAMOND I SURPASSES ORDINARY INDUSTRIAL LAMPS AND BECOMES A TRUSTED “LIGHT GUARANTEE” FOR USERS,
SETTING A NEW BENCHMARK FOR THE LIGHTING INDUSTRY.

80W,100W,120W,150W,200W,240W,300W,400W

- Unmatched toughness : Diamond II uses aviation-grade A380 alloy ADC12 integrated die-casting, which increases its strength by 300% . Diamond I is as solid as a rock and can be called the "diamond" of industrial lighting.
- Optical excellence : Ultra-clear tempered glass provides high-definition light transmission and its impact resistance is improved several times. It not only protects the physical safety of the lamp, but also illuminates the space with pure light.
- Global certification : Backed by a certification authority , it has super corrosion resistance and can fully resist erosion by moisture, chemical gases and corrosive substances, truly achieving “as reliable as a diamond” .
- Consistent inside and out : Equipped with the world's top light source OSRAM and power source MeanWell , the color rendering index is as high as Ra80 , perfectly reproducing true colors and defining the unity of high appearance and high quality.
- Extreme adaptability : In extreme environments ranging from -30°C to +45°C, Diamond I continues to operate efficiently and is not afraid of the deep cold of cold storage, and can also withstand hot industrial environments .
- Intelligent control of the future : Supports 0-10V dimming technology, brightness can be adjusted on demand, combined with high-efficiency design, allowing users to enjoy energy saving while also having a personalized light experience.
- Scene Master : Flexible optical light distribution design can easily cope with complex environments such as warehouses, retail areas, and production lines, injecting intelligent matching into each beam of light to improve production efficiency and space quality.

IP66 | 5 YEARS LED WARRANTY | 5 YEARS DRIVER WARRANTY | LM79 | LM80 | DIMMABLE

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Optical excellence

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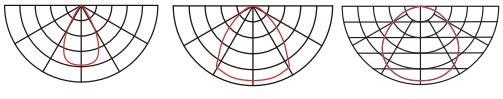
ORDERING INFORMATION

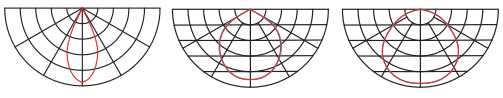
SERIES	WATTS	CCT	OPTICS	INPUT PWR	Protection	Housing Material	DIMMING	FIELDS APPLICATION
Diamond I	80W 100W 120W 150W 200W 240W 300W 400W	3000K 4000K 5000K 6500K	(≤240W) 60° 90° 120° (300，400W) 45° 80° 120°	120-277 V/ 277-480 VAC	IP66	Die-Cast Aluminum	0-10V Optional	Warehouse Cold storage Retail areas Production and assembly halls

NOTES
- 80 CRI Standard
- Custom RAL Colors Require Additional Costs & Lead Times
- UL, FL & DL Options not DLC QPL Listed
- CM Mounting Standard

OPTICS



(≤240W)



(300，400W)

LUMEN CHART

	3000K	4000K	5000K	6500K
80W	10400lm	10400lm	10400lm	10400lm
100W	13000lm	13000lm	13000lm	13000lm
120W	15600lm	15600lm	15600lm	15600lm
150W	19500lm	19500lm	19500lm	19500lm
200W	26000lm	26000lm	26000lm	26000lm
240W	31200lm	31200lm	31200lm	31200lm
300W	39000lm	39000lm	39000lm	39000lm
400W	52000lm	52000lm	52000lm	52000lm

Due to continuous improvement and innovation, product appearance and specifications may change without notice. Actual performance may differ as a result of end-user environment and application.

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Dimond I

INDUSTRIAL LIGHTING

SPECIFICATIONS

Life Time | Over 50,000 hrs.

Color Rendering Index (CRI) | Ra80

Operating Temp | -30°C – +45°C

Relative Humidity | 0-90% RH

Power Factor | ≥95%

Input Line Voltage | 120-277/277-480 VAC

Input Line Frequency | 50/60 Hz

LED Chips | OSRAM

DIMMING | 0-10V Optional

LED Efficiency | 130 lm/w

WARRANTIES

SEE WEBSITE FOR DETAILS

5-Year

MATERIALS

Housing | Die Cast Aluminum

A380 Alloy ADC12

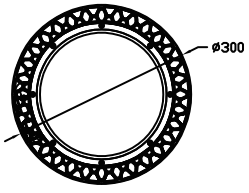
Gasketing | Neoprene Rubber

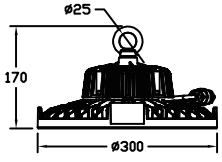
Finish | Protective UV Stabilized Powdercoat

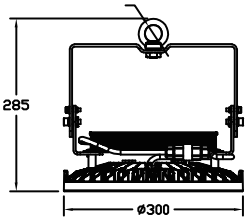
4000 Hour Salt Spray Tested to ASTM B117

Lens | PC/GLASS

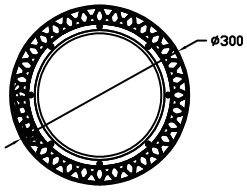
PRODUCT DRAWINGS

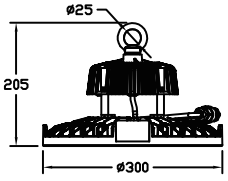


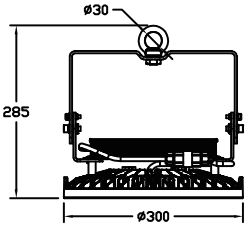




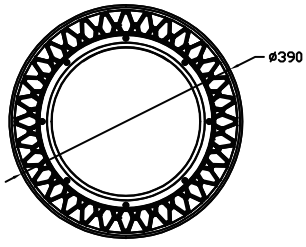
80-120W

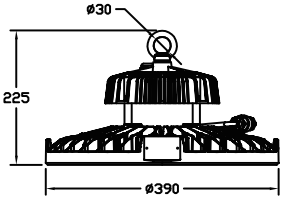


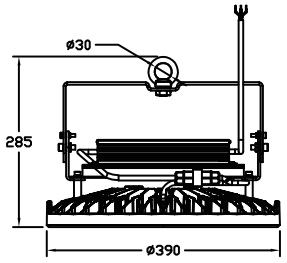




150W







200W-400W

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