

## Professional LED lighting

efficiency  
quality  
durability

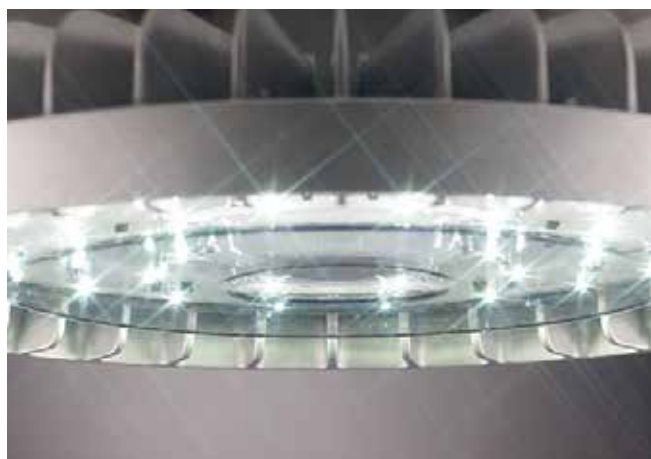


## E<sup>+</sup> HB380HP

E<sup>+</sup> HB380 HP, industrial LED luminaires, provide huge energy savings, up to 85%, compared to conventional mercury or metal-halide lighting. It is suitable for production plants, warehouses, shopping malls, canopies and other similar spaces. Energy efficiency class A<sup>++</sup>, according to EU Regulation No 874/2012.

A<sup>++</sup>

- WARRANTY: 5 YEAR
- Recommended height is from 9m to over 30m depending on applied luminaire and lenses
- Robust construction, resistant to moisture, dust and vibrations
- Aluminium housing finish: available in all RAL standard colors
- No warm up time, instant on
- No UV emission
- Color temperature: 4000K or 5000K
- Dimmable and suitable for intelligent lighting systems
- Simple installation
- No need for standard maintenance
- Flexible or fixed suspension or wall mount



## ELECTRICAL SUPPLY

|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
| Operating voltage (V) | 207-253 VAC, 50Hz ±5%, 188 – 264VDC<br>(in DC-operation, the output current is set to 20%) |
| Rated power (W)       | <b>175</b>                                                                                 |
| Inrush current        | None for >100 µs                                                                           |
| Power factor          | > 0,95                                                                                     |

## LED DRIVER

|          |                                                                                                                 |
|----------|-----------------------------------------------------------------------------------------------------------------|
| Safety   | EN 61347-2-13:2009, Class 1                                                                                     |
| EMC      | CE                                                                                                              |
| Emission | EN 55015:2006 + A1:2007, EN 55022 Class B;<br>EN 61000-3-2 Class C;<br>EN 61547:1995<br>+A1:2000; EN 62384:2006 |

## LIGHT CHARACTERISTICS

|                          | 4000K                                                                            |       | 5000K |       |
|--------------------------|----------------------------------------------------------------------------------|-------|-------|-------|
|                          | >70                                                                              | >80   | >70   | >80   |
| CRI                      |                                                                                  |       |       |       |
| Luminous flux (lm)       | 22000                                                                            | 19000 | 22000 | 20000 |
| Luminous efficacy (lm/W) | 125                                                                              | 110   | 125   | 115   |
| Beam angle               | 27°, 45°, 61°                                                                    |       |       |       |
| Second phase dimming     | When regulatory phase is turned off it decreases lighting for 63% and energy 70% |       |       |       |
| Regulation (analog)      | 0- 10 (optional: DALI)                                                           |       |       |       |
| Operating temperature    | From -25°C to +50°C                                                              |       |       |       |
| Temperature protection:  | Integrated temperature protection                                                |       |       |       |

## MECHANICAL CHARACTERISTICS

|                             |                                    |
|-----------------------------|------------------------------------|
| IP                          | IP65 EN 60529:2000+A1:2008+A2:2014 |
| IK                          | IK10 HRN 62262:2008                |
| Housing                     | Cast aluminium                     |
| Power cable                 | Flexible, 4- wire                  |
| Control cable               | Flexible, 2- wire                  |
| Weight (kg)                 | < 6                                |
| Dimensions (mm)             | Ø=380 H=114                        |
| Package dimensions LWH (mm) | 400x400x120                        |

## CERTIFICATES

|     |                                                                             |
|-----|-----------------------------------------------------------------------------|
| EMC | EN 55015:2013,<br>EN 61547:2009,<br>EN 61000-3-2:2014,<br>EN 61000-3-3:2013 |
| LVD | EN 62031:2008, EN 60598-2-24:2013,<br>EN 61347-2-13:2006, EN 62493:2010     |

Made in EU

**5** YEAR WARRANTY