



## LED lighting system for high bay lamp



- Visual comfortable and efficiency High bay Led Lamp
- System International patent (2008) for total light emission by reflectors
- Visual Confort and Uniform lighting without glare
  - Safety
- Autodimming or total light output management
  - 120 000 hours
  - Running temperatures:
    - 20/+55 °C from 85 to 105W models
    - 20/+60 °C from 45 to 65W models
- Made 100% in Italy and western of Europe
  - 5 Years warranty

*HibayLed Titlis is a product developed for suspended lighting applications for internal or external applications.*

*By drawing on our expertise and know-how, we have designed this luminaire to provide excellent lighting performance and visual comfort: diffused lighting without creating dark spots and hardly any glare.*

*The external design and quadrangular structure mean it sits well in a diversity of urban surroundings, successfully lighting up the night and blending into the background by day.*

*Designed to provide high energy savings, HibayLed Titlis is a tangible, sustainable response to local authorities' need to curb costs.*



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### ELECTRICAL SPECIFICATIONS

|                         |                |
|-------------------------|----------------|
| Voltage                 | 220 ÷ 240 V ac |
| Frequency               | 50 - 60 Hz     |
| Electrical safety class | Classe II      |
| Power supply efficiency | 92,5%          |

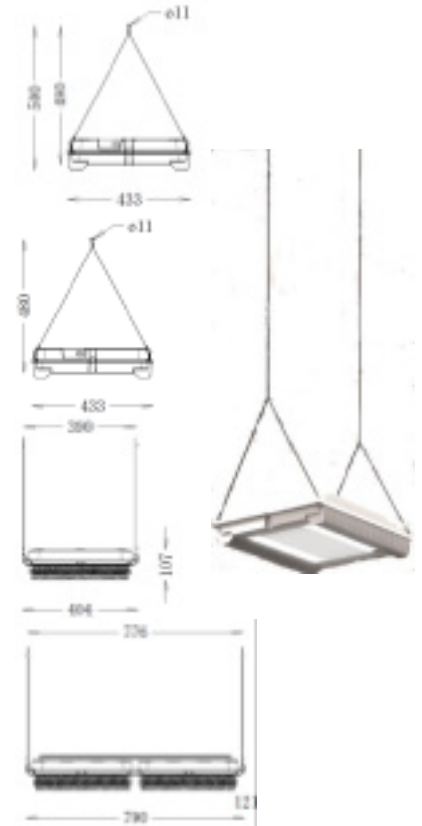
### MECHANICAL FEATURES

|                      |                                       |
|----------------------|---------------------------------------|
| Body                 | Die-cast aluminium EN 46100           |
| Paint                | Resistant to 1000 hours in salt spray |
| Glass                | Tempered extra clear, 4-mm thick      |
| External screws      | A2 stainless steel                    |
| Total weight         | Single 8,3 kg ; double 17,4 Kg        |
| Ingress protection   | IP 66                                 |
| Impact resistance    | IK08 - 5j                             |
| Wind exposed surface | NA                                    |

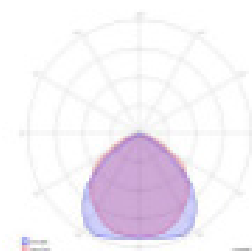
### OPTICAL FEATURES

|                         |                                      |
|-------------------------|--------------------------------------|
| Total reflection patent | 1395290                              |
| LED                     | PHILIPS LUMILEDS LUXEON M (optics B) |
| Photobiological safety  | Exempt group                         |

### DIMENSIONS



units : mm



TYPE C

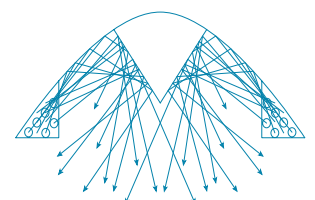
### TYPE C OPTICS

| Model    | n.LED | Luminaire flux<br>lm@3000k | LED flux<br>lm@4000k | CRI   | Power<br>W | Efficacy<br>lm/W mini |
|----------|-------|----------------------------|----------------------|-------|------------|-----------------------|
| 40 watt  | 20    |                            | 4573                 | 70    | 45         | 101                   |
|          |       |                            | 3859                 | 4199  | 80         | 45                    |
| 65 watt  | 30    |                            | 6843                 | 70    | 67         | 102                   |
|          |       |                            | 5775                 | 6284  | 80         | 67                    |
| 85 watt  | 40    |                            | 9103                 | 70    | 88         | 103                   |
|          |       |                            | 7682                 | 8358  | 80         | 88                    |
| 110 watt | 50    |                            | 11352                | 70    | 110        | 103                   |
|          |       |                            | 9579                 | 10423 | 80         | 110                   |
| 176 watt | 80    |                            | 18206                | 70    | 180        | 101                   |
|          |       |                            | 15363                | 16717 | 80         | 180                   |
| 220 watt | 100   |                            | 22704                | 70    | 227        | 100                   |
|          |       |                            | 19159                | 20847 | 80         | 227                   |



### INTERNATIONAL PATENT

The international total reflection involves the usage of reflector that captures and blends the light emission through the initial optical assembly and then uses a second assembly to cast it uniformly. Applied in its standard form above all for street lighting, it delivers visual comfort and uniform lighting, without creating dark spots or glare.





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**Licence No. ENEC-00660** for internal and external streetlighting

Rated Voltage / Frequency 220-240 V ~ 50-60 Hz

Insulation Class II

Degree of protection (IP) 66

Tested acc. to EN 60598-1:2008/A11:2009, EN 60598-1:2008, EN 60598-2-3:2003/A1:2011, EN 60598-2-3:2003

The luminaire was additionally tested in accordance with the standard IEC/EN 62262:2002 (degrees of protection provided by enclosure for electrical equipment against external mechanical impacts, IK code).

Luminaire withstand the test for IK08 code

### CE - Conformity Declaration

Series: HIBAYLED TITLIS

Are compliant with the following Directives:

- 2006/95/EC LV
- 2004/108/EC EMC
- 2009/125/EC ErP
- 2011/65/EU RoHS

And they are in compliance with the following standards:

- EN 60598-1: 2008 +A11:2009
- EN 60598-2-3: 2003 +A1:2011
- EN 55015: 2006 +A1:2007 +A2:2009
- EN 61547: 2009
- EN 61000-3-2: 2006 +A1:2009 +A2:2009
- EN 61000-3-3: 2008
- EN 62471: 2008
- EN 62493: 2010

