



## Twist and save up to 60% energy

**Fortimo Twistable module** – easy to install, flexible and future-proof

**PHILIPS**  
sense and simplicity

Fortimo Twistable module is the first high-performance serviceable and integrated LED module for general lighting. It is available in three colour temperatures – 2700 K, 3,000 K and 4,000 K – and all versions are dimmable. The complete system, comprising a Philips Twistable LED module with integrated driver and a lamp holder, delivers energy-efficient, low-maintenance and high-quality lighting.

### Easy to experience

Thanks to its dedicated socket and integrated driver, the system is easy to install and design in. The LED modules can be easily replaced with the latest upgrades at the end of their life – or earlier if you want a different colour temperature for a change of ambience – without having to remove the reflector or open the ceiling. The 25,000 hour lifetime (70% lumen maintenance) significantly reduces the need for maintenance.

### Benefits

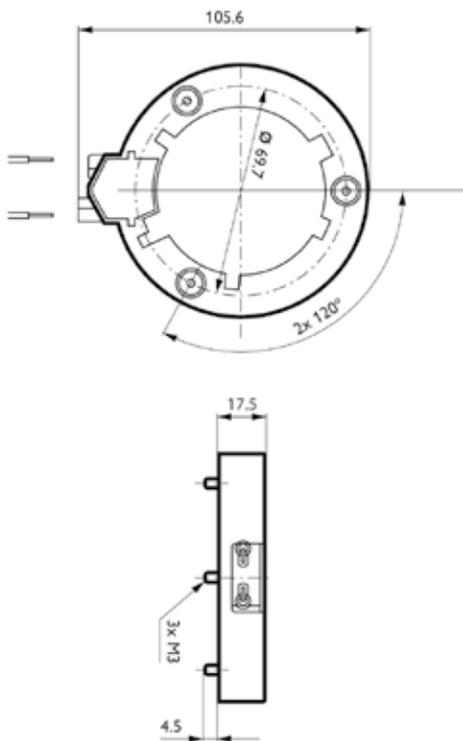
- Easy to install thanks to integrated driver
- Module can easily be upgraded to more advanced version in order to enable further energy saving
- Easy to change modules for different colour temperature
- Freedom of design
  - Round module allows miniaturization
  - Available in different colour temperatures

- Green and efficient
  - 62 lm/W for 4,000 K
  - Improved TCO
  - Dimming with mostly used trailing edge dimmers on the market
- Value for money – lower initial investment than most LED systems currently available
- Philips Green Flagship product
- High energy efficiency – consumes up to 60% less energy than halogen solutions
- RoHS-compliant – mercury and lead-free.

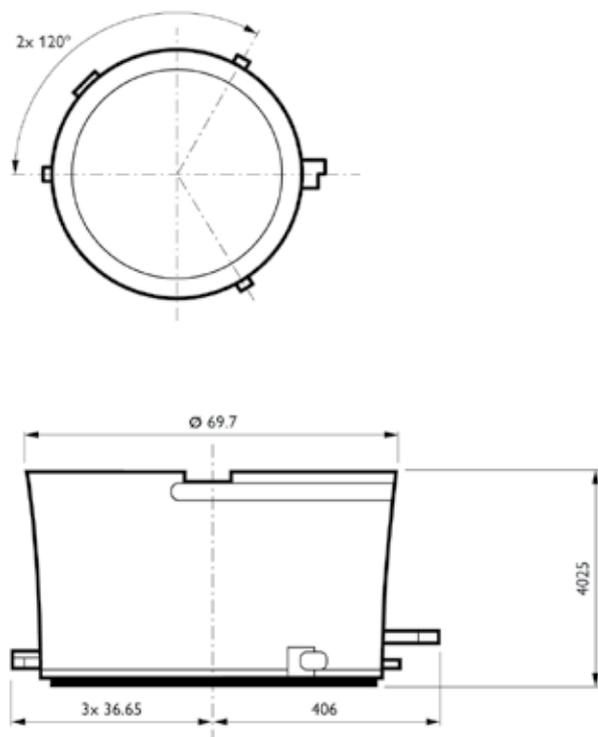
### Applications

- Replacement for halogen (50 W) and CFL (2\*18) downlights
- Hospitality and cruise ships
- Corridors, service areas, lobbies, lounges, restaurants
- Retail – corridors, changing rooms
- Healthcare – corridors, reception areas, waiting rooms.

### Dimensions of the lamp holder (mm)



### Dimensions of the module



## Product specifications

| Type                         | Lumen output | Color temp. | Efficacy module + driver | Colour consistency | Color rendering index | Input voltage | Power factor | Total harmonic distortion | Frequency | Dimming range | Wattage | Lifetime                                     |
|------------------------------|--------------|-------------|--------------------------|--------------------|-----------------------|---------------|--------------|---------------------------|-----------|---------------|---------|--|
|                              | (lm)         | (K)         | (Lm/W)                   | (SDCM)             | (Ra)                  | (V)           | (Pf)         | (%)                       | (Htz)     | (%)           | (W)     |  |
| Fortimo Twistable 1100lm 827 | 1020         | 2700        | 52                       | 5/6                | 80                    | 220-240       | >0.9         | 40                        | 47-63     | 10 to 100     | 20      | 25khrs @ Tcase 65 °C<br>50khrs @ Tcase 55 °C |
| Fortimo Twistable 1100lm 830 | 1100         | 3000        | 55                       | 5/6                | 80                    | 220-240       | >0.9         | 40                        | 47-63     | 10 to 100     | 20      | 25khrs @ Tcase 65 °C<br>50khrs @ Tcase 55 °C |
| Fortimo Twistable 1100lm 840 | 1100         | 4000        | 62                       | 5/6                | 80                    | 220-240       | >0.9         | 40                        | 47-63     | 10 to 100     | 18      | 25khrs @ Tcase 65 °C<br>50khrs @ Tcase 55 °C |

## Ordering data

| Type                           | EOC             | Units per package |
|--------------------------------|-----------------|-------------------|
| Fortimo TDLM 1100 20W/827 230V | 872790090536600 | 10                |
| Fortimo TDLM 1100 20W/830 230V | 872790090535900 | 10                |
| Fortimo TDLM 1100 18W/840 230V | 872790090534200 | 10                |



**For more information, visit:**  
**[www.philips.com/OEM](http://www.philips.com/OEM)**

©2010 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent- or other industrial or intellectual property rights.

Date of release: 01/10  
Printed in the Netherlands