



Quality white light with a simple twist

Philips Fortimo LED Twistable Downlight Module (TDLM) Gen 2 System – Downlight Systems Simplified

The Philips Fortimo Twistable module is the first Philips serviceable high-performance integrated LED module for general lighting. The complete system, comprising of a Philips Twistable LED DownLight Module (TDLM) 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 design in, install and maintain. The modules can be easily replaced with the latest upgrades at the end of their life – or earlier if you want a different color temperature for a change of ambience – without having to remove the reflector or open the ceiling. This results in a truly easily upgradable and replaceable LED Technology.

The Fortimo LED TDLM module is equipped with a special diffuser technology, enabling very high levels of LED efficacy. Also, the excellent lumen maintenance and a rated average life of 50,000 hours⁶ make frequent relamping a thing of the past: a promise that is backed up by a Philips three-year limited warranty.¹⁰

Benefits for the end users

- Maintenance at ease - simply twist and replace
- Energy efficient LED design for improved total cost of ownership
- Easy to install with integrated driver
- Available in different color temperatures for simple change of ambience
- Powerline Dimming in both 120V and 277V
- Long life significantly reduced re-lamping cycles⁶
- Color consistency 4 SDCM⁵

Applications

- Hospitality:
Corridors, service areas, lobbies, lounges and restaurants
- Retail:
Corridors and changing room
- Healthcare:
Corridors, reception areas and waiting rooms

PHILIPS

Fortimo LED Twistable DLM System (Integrated module and driver)	Approx Lumens ^{1,2}	CRI ³	CCT (K) ⁴	Color Consistency (SDCM) ⁵	Module Rated Power (W)	Module Efficacy (Lm/W)	Input Voltage (V)	T case 55° C	Module B ₅₀ L ₇₀ (Hours) ⁶	T case max 65° C
Fortimo LED TDLM 1100 827 120V G2	1100	80	2700	4	16.5	68	120	50k hrs	35k hrs	
Fortimo LED TDLM 1100 830 120V G2	1100	80	3000	4	15.5	73	120	50k hrs	35k hrs	
Fortimo LED TDLM 1100 835 120V G2	1100	80	3500	4	15.0	75	120	50k hrs	35k hrs	
Fortimo LED TDLM 2000 827 120V G2	2000	80	2700	4	29.5	67	120	50k hrs	35k hrs	
Fortimo LED TDLM 2000 830 120V G2	2000	80	3000	4	28.5	70	120	50k hrs	35k hrs	
Fortimo LED TDLM 2000 835 120V G2	2000	80	3500	4	27.5	72	120	50k hrs	35k hrs	
Fortimo LED TDLM 1100 840 120V G2	1150	80	4000	4	15	82	120	50k hrs	35k hrs	
Fortimo LED TDLM 2000 840 120V G2	2150	80	4000	4	27.5	79	120	50k hrs	35k hrs	
Fortimo LED TDLM 1100 827 277V G2	1100	80	2700	4	16.5	68	277	50k hrs	35k hrs	
Fortimo LED TDLM 1100 830 277V G2	1100	80	3000	4	15.5	73	277	50k hrs	35k hrs	
Fortimo LED TDLM 1100 835 277V G2	1100	80	3500	4	15	75	277	50k hrs	35k hrs	
Fortimo LED TDLM 1100 840 277V G2	1150	80	4000	4	15	82	277	50k hrs	35k hrs	
Fortimo LED TDLM 2000 827 277V G2	2000	80	2700	4	29.5	67	277	50k hrs	35k hrs	
Fortimo LED TDLM 2000 830 277V G2	2000	80	3000	4	28.5	70	277	50k hrs	35k hrs	
Fortimo LED TDLM 2000 835 277V G2	2000	80	3500	4	27.5	72	277	50k hrs	35k hrs	
Fortimo LED TDLM 2000 840 277V G2	2150	80	4000	4	27.5	79	277	50k hrs	35k hrs	

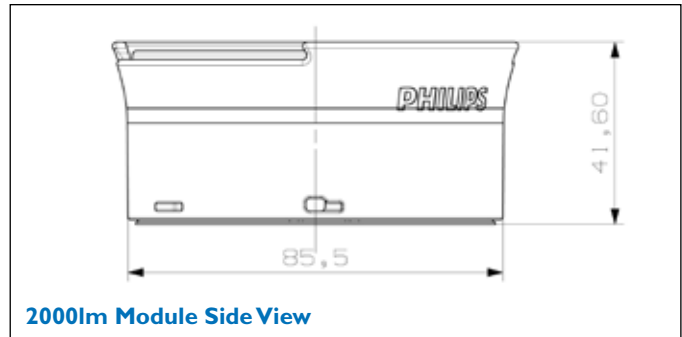
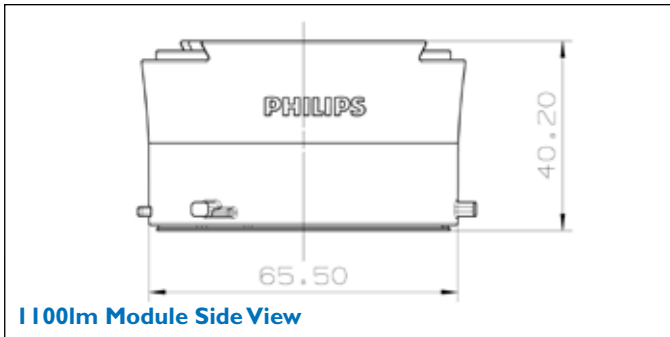
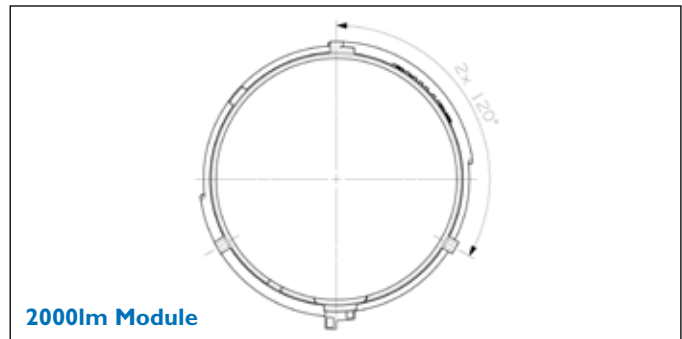
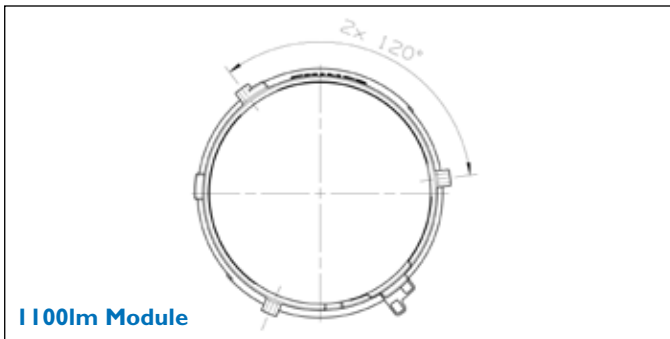
Fortimo LED Twistable DLM System (integrated module and driver)	Module Part Number
Fortimo LED TDLM 1100 827 120V G2	9290 008 47808
Fortimo LED TDLM 1100 830 120V G2	9290 008 47908
Fortimo LED TDLM 1100 835 120V G2	9290 008 48208
Fortimo LED TDLM 1100 840 120V G2	9290 008 61308
Fortimo LED TDLM 2000 827 120V G2	9290 008 48008
Fortimo LED TDLM 2000 830 120V G2	9290 008 48108
Fortimo LED TDLM 2000 835 120V G2	9290 008 48308
Fortimo LED TDLM 2000 840 120V G2	9290 008 61408
Fortimo LED TDLM 1100 827 277V G2	9290 008 54508
Fortimo LED TDLM 1100 830 277V G2	9290 008 54608
Fortimo LED TDLM 1100 835 277V G2	9290 008 54708
Fortimo LED TDLM 1100 840 277V G2	9290 008 61508
Fortimo LED TDLM 2000 827 277V G2	9290 008 54808
Fortimo LED TDLM 2000 830 277V G2	9290 008 54908
Fortimo LED TDLM 2000 835 277V G2	9290 008 55008
Fortimo LED TDLM 2000 840 277V G2	9290 008 61608

RoHS ⁷
COMPLIANT



Zhaga ⁹

Module Dimensions



* Current specifications, subject to change, for latest specifications please contact your local Philips sales representative.

1. Photometric testing consistent with CIE 127:2007 2nd Edition

2. Production units fall between -10% and +20% of listed values

3. +/- 3% variance with all CRI above 80

4. 2700K = 2725K +/- 145K, 3000K = 3045K +/- 175K, 3500K = 3465K +/- 245K

5. 100% of units are within 4 SDCM

6. Rated average life is based on engineering data testing and probability analysis. The hours are at the B50, L70 point — 50,000 hours life with 70% lumen maintenance at Tc point of 55° C

7. Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electronic products For products used in North America compliance to RoHS is voluntary and self-certified

8. Product is listed with Underwriters Laboratories, Inc. Go to www.ul.com for more information

9. Philips Fortimo LED Twistable Downlight Module is a Zhaga certified light engine. For more information visit www.zhagastandard.org

10. Rated average life is based on engineering data testing and probability analysis. The hours are at the B50, L70 point — 50,000 hours life with 70% lumen maintenance at Tc point of 55° C. Rated average life will be 35,000 hours at a Tc point of 70° C.



©2013 Philips Lighting Electronics N.A.,
A Division of Philips Electronics North America Corporation

All rights reserved.
Printed in the USA

Form No. LE-6290-C

Philips Lighting Electronics N.A.
10275 West Higgins Road
Rosemont, IL 60018
Tel: 800-322-2086 Fax: 888-423-1882
Customer Support/Customer Care: 800-372-3331
OEM Support: 866-915-5886
www.philips.com/ledmodulesna