StoreFlux gen3 rim

GD603B LED27S/830 PSU-E MB WH-WH

StoreFlux3, LED Module, system flux 2700 lm, 830 warm white, Power supply unit external (On/Off), Medium beam, White and white

With StoreFlux, retailers can enjoy the superior quality of light and market-leading energy efficiency of PerfectAccent optics in a refined and neutral product design that nicely blends in-shop architecture. The StoreFlux gridlight can be equipped with up to three LED modules with the PerfectAccent reflector system to deliver top-quality accent lighting that makes your shop and merchandise look great. As well as its long service liftetime, StoreFlux also offers tool-free reflector replacement, with an easy access to the driver for hassle-free maintenance.

Warnings and Safety
- The luminaire should be mounted out of arm's reach. Manipulating the product when hot is only possible with an insulated glove
- The luminaire should be installed and disassembled by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements
- All photometrical data is calculated without optional front glass. Flux should be reduced by 3.5% when using a front glass
- In case of no front glass lens, cleaning the optic should only be done with pressurised air. Touching the LED or reflector is forbidden. For areas with high levels of dust, the use of the optional front glass is strongly advised, as it can then be easily cleaned with a (dry) microfibre cloth
- For multi-spot configurations, please use single configuration photometry and duplicate it according to the number of spots in a given configuration.

Product data

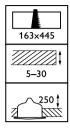| General Information		Driver included	Yes
Lamp family code	LED27S [LED Module, system flux 2700 lm]	Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there
Light source replaceable	No		
Number of gear units	3 units		

StoreFlux gen3 rim

is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.

Product family code	GD603B [StoreFlux3]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	8,100 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	120 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	120 degree(s)
Light source colour	830 warm white
Optic type	Medium beam
Optical cover type	Acrylic toothed
Luminaire light beam spread	24°
Unified Glare Rating (CEN)	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	18 A
Inrush time	0.25 ms
Power Consumption	23.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	–
Number of products on MCB of 16 A type B	34

Temperature

Ambient temperature range	+10 to +40 °C

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	–
Constant light output	No

Mechanical and Housing

Housing material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White and white
Optical cover/lens finish	Clear
Overall length	473 mm
Overall width	179 mm
Overall height	165 mm
Dimensions (height x width x depth)	165 x 179 x 473 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/–10%
Initial chromaticity	(0.43, 0.40) SDCM <3
Power consumption tolerance	+/–10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	Not applicable
Suitable for random switching	No

Product Data

Order product name	GD603B LED27S/830 PSU-E MB WH-WH
Full product name	GD603B LED27S/830 PSU-E MB WH-WH
Full EOC	871869688427000
Order code	88427000
Material no. (12 NC)	910500458298
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696884270
Numerator – packs per outer box	1
EAN/UPC – Case	8718696884270

StoreFlux gen3 rim

Dimensional drawing

163x445

5–30

250

165

441

473

147

179

www.lighting.philips.com

2023, April 29 – data subject to change