# **PHILIPS** Lighting



# StoreFlux gen3 rim

# GD601B 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 topquality 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
Light source replaceable	No		paper 'Evaluating performance of LED based
Number of gear units	Unit		luminaires – January 2018': statistically there

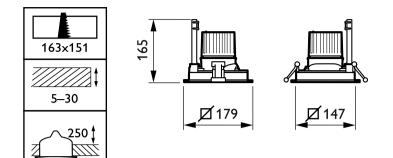
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	is no relevant difference in lumen
	maintenance between the B50 and, for
	example, the B10. Therefore, the median
	useful life (B50) value also represents the
	B10 value.
Product family code	GD601B [StoreFlux3]
Lighting Technology	LED
Value ladder	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	2,700 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
	22.5 W
Power Consumption	
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	- 24
Number of products on MCB of 16 A type B	34
Temperature	
Ambient temperature range	+10 to +40 °C
Controls and Dimming	
Dimmable	No
	No Power supply unit external (On/Off)
Dimmable	

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	179 mm
Overall width	179 mm
Overall height	165 mm
Dimensions (height x width x depth)	165 x 179 x 179 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 Compli	ant)
Control gear failure rate at median useful	
life 50,000 h	5.70
Lumen maintenance at median useful	L80
life* 50,000 h	
Application Conditions	
Application Conditions Performance ambient temperature Tq	25 ℃
	25 °C Not applicable
Performance ambient temperature Tq	
Performance ambient temperature Tq Maximum dim level Suitable for random switching	Not applicable
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data	Not applicable No
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name	Not applicable No GD601B LED27S/830 PSU-E MB WH-WH
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name	Not applicable No GD601B LED27S/830 PSU-E MB WH-WH GD601B LED27S/830 PSU-E MB WH-WH
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC	Not applicable No GD601B LED27S/830 PSU-E MB WH-WH GD601B LED27S/830 PSU-E MB WH-WH 871869688115600
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code	Not applicable No GD601B LED27S/830 PSU-E MB WH-WH GD601B LED27S/830 PSU-E MB WH-WH 871869688115600 88115600
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC)	Not applicable No GD601B LED275/830 PSU-E MB WH-WH GD601B LED275/830 PSU-E MB WH-WH 871869688115600 88115600 910500458191
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack	Not applicable No GD601B LED27S/830 PSU-E MB WH-WH GD601B LED27S/830 PSU-E MB WH-WH 871869688115600 88115600 910500458191 1
Performance ambient temperature Tq Maximum dim level Suitable for random switching Product Data Order product name Full product name Full EOC Order code Material no. (12 NC) SAP numerator – quantity per pack EAN/UPC – Product/Case	Not applicable No GD601B LED275/830 PSU-E MB WH-WH GD601B LED275/830 PSU-E MB WH-WH 871869688115600 88115600 910500458191
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#### Dimensional drawing





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