PHILIPS Lighting



CoreLine Recessed Spot gen2

RS151B LED12-WB-/830 D78 WIA PI6 WH

CoreLine Recessed Spot gen2, Adjustable, 12 W, D78 mm, 1280 lm, 3000 K, Wireless, Interact Ready, Wide beam, White, IP20/44

CoreLine Recessed Spot gen2 delivers on the CoreLine promise of innovative, easy to use and high-quality luminaires. Its modular design allows "configure to fit" option that better responds to your specific needs. The range offers a wide range choice on light color (CCT), light output, color finish, frame types and connectivity options. The compact and lite design of CoreLine Recessed Spot gen2, always incorporating a push in connector allowing through-wiring and supporting a wide range of wire diameters/cross-sectional area, makes installation hassle-free. High quality of light, numerous connectivity options, long luminaire lifetime and high system efficacy makes CoreLine Recessed Spot gen2 an ideal accent solution for your indoor spot lighting applications.

Warnings and Safety

• 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, as per the product mounting instructions.

Product data

General Information		,
Light source replaceable	Yes	
Number of gear units	1 unit	
Driver included	Yes	1
Connectivity	Interact Ready	
Lighting Technology	LED	

Value ladder	Performance
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable
	surfaces
ENEC mark	ENEC mark

CoreLine Recessed Spot gen2

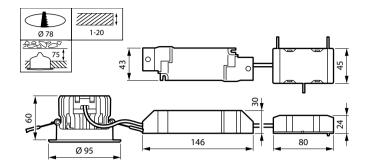
Glow-wire test	Temperature 650 °C, duration 30 s
EU RoHS compliant	Yes
Light Technical	
Luminous Flux	1,280 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	106 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM) - Flickering value as	1
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	0.4
Beam angle of light source	120 degree(s)
Light source color	830 warm white
Optic type	Wide beam
Luminaire light beam spread	38°
Unified glare rating CEN	24
Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz
Average CLO power consumption	- W
Inrush current	4.9 A
Inrush time	0.056 ms
Power Consumption	12 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-pole
Cable	Cable 0.25 m with connector 3-pole
Number of products on MCB of 16 A type B	24
Temperature	
Ambient temperature range	0 to +35 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Wireless driver Interact System ready
	external
Control interface	Wireless
Constant light output	No
Mechanical and Housing	
Housing Material	Aluminum die-cast
Reflector material	-
Optic material	Polycarbonate

Optical cover material	Polycarbonate
Fixation material	Steel
Housing Color	White
Optical cover finish	-
Overall height	60 mm
Overall diameter	95 mm
Approval and Application	
Ingress protection code	IP20/44 [Finger-protected; wire-
	protected, splash-proof]
Mech. impact protection code	IKO3 [0.3 J]
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1@200mm to
	EN62778
Photobiological risk specification	0.2 m
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance Over Time Performance (IEC Complian	+/-10% t)
Power consumption tolerance	+/-10% t)
Power consumption tolerance Over Time Performance (IEC Complian Control gear failure rate at median useful life	+/-10% t)
Power consumption tolerance Over Time Performance (IEC Complian Control gear failure rate at median useful life 50000 h	+/-10% t) 5 %
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Power consumption tolerance Over Time Performance (IEC Complian Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions	+/-10% t) 5 % 70
Power consumption tolerance Over Time Performance (IEC Complian Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq	+/-10% t) 5 % 70 25 °C
Power consumption tolerance Over Time Performance (IEC Complian Control gear failure rate at median useful life 50000 h Lumen maintenance at median useful life* 50000 h Application Conditions Performance ambient temperature Tq Maximum dim level	+/-10% t) 5 % 70 25 °C 10% (depends on dimmer, ELV)
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CoreLine Recessed Spot gen2

Dimensional drawing





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