PHILIPS Lighting



CoreLine Recessed Spot gen2

RS151B LED6-WB-/830 D78 PSR PI6 WH

CoreLine Recessed Spot gen2, Adjustable, 7.2 W, D78 mm, 680 lm, 3000 K, Phase-cut dim, 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 loop in/out 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		Warranty period	5 years
Light source replaceable	Yes		
Number of gear units	1 unit	Light Technical	
Driver included	Yes	Luminous Flux	680 lm
Lighting Technology	LED	Saturated Red (R9)	<50
Value ladder	Performance	Correlated Color Temperature (Nom)	3000 K
		Luminous Efficacy (rated) (Nom)	94 lm/W

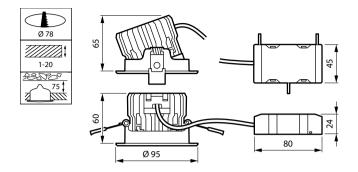
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Color rendering index (CRI)	>80	
Beam angle of light source	120 degree(s)	
Light source color	830 warm white	
Optic type	Wide beam	
Luminaire light beam spread	38°	
Unified glare rating CEN	21	
Operating and Electrical		
Input Voltage	220 to 240 V	
Line Frequency	50 or 60 Hz	
Average CLO power consumption	- W	
Inrush current	2.5 A	
Inrush time	0.1 ms	
Power Consumption	7.2 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	40	
Suitable for random switching	No	
Protection class IEC	Safety class II	
Total harmonic distortion	45 %	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit regulating	
Control interface	Phase-cut dim	
Constant light output	No	
Maximum dim level	10% (depends on dimmer, ELV)	
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	
Ingress protection code	IP20/44 [Finger-protected; wire-	
-	protected, splash-proof]	
Mech. impact protection code	IK03 [0.3 J]	
	0.330 kg	

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable
	surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 1@200mm
	to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 ℃
Flickering value (PstLM) - Flickering value as	1
per EN 61000-3-3	
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	0 to +35 °C
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-10%
Initial chromaticity	(0.43, 0.40) SDCM <5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching	SDCM≤5
(McAdam ellipse)	
Over Time Performance (IEC Compliant)
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance (EN-IEC 62722-2-1) at	L70
median useful life* 50000 h	
Product Data	
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Dimensional drawing





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