# **PHILIPS** Lighting



# **CoreLine Recessed Spot gen2**

# RS151B LED12-WB-/840 D78 PSR PI6 WH

CoreLine Recessed Spot gen2, Adjustable, 12.3 W, D78 mm, 1320 lm, 4000 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	1,320 lm
Lighting Technology	LED	Saturated Red (R9)	<50
Value ladder	Performance	Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	107 lm/W

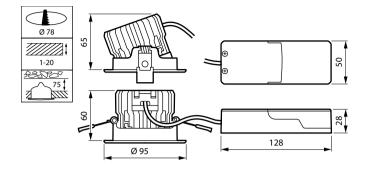
## CoreLine Recessed Spot gen2

Colonia de la coloni (CDI)		
Color rendering index (CRI)	>80	
Beam angle of light source	120 degree(s)	
Light source color	840 neutral 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	3.5 A	
Inrush time	0.1 ms	
Power Consumption	12.3 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	30 %	
Controls and Dimming		
Dimmable	Yes	
Driver/power unit/transformer	Power supply unit regulating external	
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]	

Approval and Application		
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	
	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	(0.38, 0.38) 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 at median useful life*	L70	
50000 h		
Product Data		
Order product name	RS151B LED12-WB-/840 D78 PSR PI6	
	WH	
Full product name	RS151B LED12-WB-/840 D78 PSR PI6	
	WH	
Full product code	871951454821399	
Order code	911401898482	
Material Nr. (12NC)	911401898482	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8719514548213	
Numerator - Packs per outer box	18	
EAN/UPC - Case	8719514548473	

## **CoreLine Recessed Spot gen2**

#### Dimensional drawing





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