CoreLine Recessed Spot

RS141B LED7-32-/830 PSR PI6 ALU DT

CoreLine Recessed Spot, 16 W, 700 lm, 3000 K, Analogue, Beam angle 32°, Aluminium

CoreLine Recessed Spot is a recessed spot range designed to replace halogen-based luminaires. Its halogen-like look and attractive price make it easier for customers to make the switch to LED. This product provides a natural lighting effect for accent lighting applications, as well as instant energy savings and much longer lifetime – an environmentally friendly solution. With the push-in connectors, installation is fast and straightforward.

Product data

General Information	
Lamp family code	LED7S [LED Module, system flux 700 lm]
Cap base	- [-]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there 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.
Lighting Technology	LED

Value ladder	Performance
CE mark	Yes
Warranty period	3 years + 2 years upon registration
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	-
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical	
Luminous Flux	700 lm
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	44 lm/W
Colour rendering index (CRI)	85
Beam angle of light source	32 degree(s)
Light source colour	830 warm white

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Optic type	Beam angle 32°
Optical cover type	Polycarbonate bowl/cover clear
Luminaire light beam spread	32°

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	7 A
Inrush time	500 ms
Power Consumption	16 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 6-pole
Cable	-
Number of products on MCB of 16 A type B	-

Temperature

Ambient temperature range	0 to +35 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit regulating
Control interface	Analogue
Constant light output	No

Mechanical and Housing

Housing material	Aluminium die cast
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	Aluminium
Optical cover/lens finish	Clear
Overall height	58 mm
Overall diameter	95 mm

Approval and Application

Ingress protection code	IP44 [Wire-protected, splash-proof]
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	(0.42, 0.40) SDCM <5
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	L70

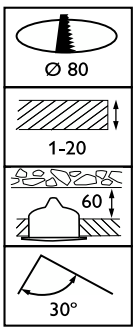
Application Conditions

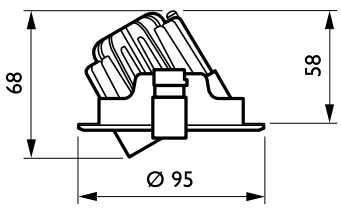
Performance ambient temperature Tq	25 °C
Maximum dim level	10%
Suitable for random switching	Yes

Product Data

Order product name	RS141B LED7-32-/830 PSR PI6 ALU DT
Full product name	RS141B LED7-32-/830 PSR PI6 ALU DT
Full EOC	871869607139799
Order code	07139799
Material no. (12 NC)	910503910153
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696071397
Numerator – packs per outer box	18
EAN/UPC - Case	8718696071403

Dimensional drawing





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www.lighting.philips.com
2023, April 29 - data subject to change