



# CoreLine Downlight gen5

## DN142B 20S/840 WIA-E WR ELB3 IP54

CoreLine Downlight gen5, 24.9 W, D150 mm, 2350 lm, 4000 K, Wireless, Interact Ready, White reflector, IP20/54, ELB3h

Philips CoreLine Downlight delivers on the CoreLine promise of innovative, easy to use and high-quality recessed downlights. The CoreLine Downlight range is suitable for one-to-one conventional luminaire replacements, with an attractive TCO that helps your customers make the switch to LED. These recessed indoor downlights offer uniform light distribution for use in general lighting and office applications (UGR 19). They also deliver instant energy savings and have a much longer lifetime, creating a solution that's environmentally friendly and real value-for-money. CoreLine DN142B recessed downlights are easy to install thanks to their standard cut-out size and push-in connectors. An Interact ready option with integrated wireless communications is also available in this family, which can be used with Interact gateways, sensors and software.

### Warnings and Safety

- Do not apply excessive force to the cable & DC connector, make sure the connector clip is locked before the power is on.

### Product data

General Information		Warranty period	
Number of gear units	1 unit	Flammability mark	5 years
Driver included	Yes		For mounting on normally flammable surfaces
Product family code	DN142B [CoreLine Downlight gen5]	ENEC mark	-
Connectivity	Interact Ready	Glow-wire test	Temperature 650 °C, duration 30 s
Value ladder	Performance	EU RoHS compliant	Yes
CE mark	CE mark		



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<b>Light Technical</b>	
Luminous Flux	2,350 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	95 lm/W
Color rendering index (CRI)	≥80
Stroboscopic effect value (SVM)	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	White reflector perforated without louver
Luminaire light beam spread	84°
Unified glare rating CEN	25
<b>Operating and Electrical</b>	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W
Average CLO power consumption	- W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	24.9 W
Power Factor (Fraction)	0.95
Connection	-
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	100
<b>Temperature</b>	
Ambient temperature range	-20 to +40 °C
<b>Controls and Dimming</b>	
Dimmable	Yes
Driver/power unit/transformer	Wireless driver Interact System ready external
Control interface	Wireless
Constant light output	No
<b>Mechanical and Housing</b>	
Housing Material	Polycarbonate
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White RAL9010

Optical cover finish	-
Reflector Finish	White reflector
Overall height	105 mm
Overall diameter	216 mm
<b>Emergency Operation</b>	
Emergency Power	139 W
<b>Approval and Application</b>	
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Sustainability rating	-
Protection class IEC	Safety class II
Photobiological risk	Photobiological risk group 1 @ 200mm to EN62471
<b>Initial Performance (IEC Compliant)</b>	
Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.380,0.377) SDCM≤5
Power consumption tolerance	+/-10%
<b>Over Time Performance (IEC Compliant)</b>	
Control gear failure rate at median useful life	5 %
50000 h	
Lumen maintenance at median useful life*	L80
50000 h	
<b>Application Conditions</b>	
Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes
<b>Product Data</b>	
Order product name	DN142B 20S/840 WIA-E WR ELB3 IP54
Full product name	DN142B 20S/840 WIA-E WR ELB3 IP54
Full product code	872016910917900
Order code	910505103617
Material Nr. (12NC)	910505103617
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169109179
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169109179



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Dimensional drawing

