



CoreLine Downlight gen5

DN142B 20S/830 PSU-E UGR19

CoreLine Downlight gen5, 19.2 W, D200 mm, 2300 lm, 3000 K, UGR19, Facetted reflector, IP20

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	
Light source replaceable	No
Number of gear units	1 unit
Driver included	Yes
Service tag	Yes
Lighting Technology	LED
Value ladder	Performance

Warranty period	5 years
Sustainability rating	-
Light Technical	
Luminous Flux	2,300 lm
Saturated Red (R9)	<50
Correlated Color Temperature (Nom)	3000 K

Datasheet, 2025, March 19 data subject to change

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	420 044
Luminous Efficacy (rated) (Nom)	120 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	- degree(s)
Light source color	830 warm white
Optic type	-
Luminaire light beam spread	60°
Unified glare rating CEN	19
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	- W W
Average CLO power consumption	- W W
Inrush current	10 A
Inrush time	0.002 ms
Power Consumption	19.2 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	2 cables 0.15m with connectors 2-pole
Number of products on MCB of 16 A type B	100
Suitable for random switching	Yes
Protection class IEC	Safety class II
Total harmonic distortion	35 %
Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Control interface	-
Constant light output	No
Maximum dim level	Not applicable
Mechanical and Housing	
Housing Material	Polycarbonate
Reflector material	Polycarbonate aluminum coated
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	-
Reflector Finish	Facetted reflector
Overall height	105 mm
Overall diameter	216 mm

Ingress protection code Mech. impact protection code Mech. impact protection code Net Weight (Piece) Approval and Application Glow-wire test Flammability mark Glow-wire test Flammability mark For mounting on normally flammable surfaces CE mark Photobiological risk Photobiological risk proup 1 @ 200mm to EN62471 EU ROHS compliant Ves Performance ambient temperature Tq Flickering value (PstLM) - Flickering value as per EN 61000-3-3 Stroboscopic effect visibility measure (SVM) Initial Performance (IEC Compliant) Luminous flux tolerance Initial chromaticity Over Time Performance (IEC Compliant) Control gear failure rate at median useful life 50000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life 50000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life 50000 h Product Data Order product name DN142B 205/830 PSU-E UGR19 Full product code 872016950295699 Order code Material Nr. (12NC) Plumerator - Quantity Per Pack EN WURC - Code 87201695029374		
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 Photobiological risk group 1 @ 200mm to EN62471 EU ROHS compliant Yes Performance ambient temperature Tq 25 °C Flickering value (PStLM) - Flickering value as 5 °C Flickering value (PStLM) - Flickering value as 5 °C Flickering value (PStLM) - Flickering value as 605 °C, duration 30 s Per EN 61000-3-3 Stroboscopic effect visibility measure (SVM) 1 Ambient temperature range -20 to +40 °C Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.435,0.404) SDCM≦5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Lumen maintenance (EN-IEC 62722-2-1) at 80 median useful life* 50000 h Lumen maintenance (EN-IEC 62722-2-1) at 80 median useful life* 50000 h Product Data Order product name DN142B 205/830 PSU-E UGR19 Full product code 872016950295699 Order code 911401552032 Material Nr. (12NC) 911401552032 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8720169502956 Numerator - Packs per outer box 6	Ingress protection code	IP20 [Finger-protected]
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 Photobiological risk Photobiological risk group 1 @ 200mm to EN62471 EU ROHS compliant Yes Performance ambient temperature Tq 25 °C Flickering value (PstLM) - Flickering value as per EN 61000-3-3 Stroboscopic effect visibility measure (SVM) 1 Ambient temperature range -20 to +40 °C Initial Performance (IEC Compliant) Luminous flux tolerance +/-10% Initial chromaticity (0.435,0.404) SDCM≦5 Power consumption tolerance +/-10% Over Time Performance (IEC Compliant) Lumen maintenance (EN-IEC 62722-2-1) at median useful life 50% S0000 h Lumen maintenance (EN-IEC 62722-2-1) at median useful life 50% Product Data Order product name DN142B 20S/830 PSU-E UGR19 Full product code 872016950295699 Order code 911401552032 Material Nr. (12NC) 911401552032 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8720169502956 Numerator - Packs per outer box 6	Mech. impact protection code	IKO2 [0.2 J standard]
Flammability mark Flammability measure (SVM) Flickering value (PstLM) - Flickering value as per EN 61000-3-3 Flootbooscopic effect visibility measure (SVM) Flammability mark Flammability flam	Net Weight (Piece)	0.410 kg
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Order product name DN142B 20S/830 PSU-E UGR19 Full product name DN142B 20S/830 PSU-E UGR19 Full product code 872016950295699 Order code 911401552032 Material Nr. (12NC) 911401552032 Numerator - Quantity Per Pack 1 EAN/UPC - Product/Case 8720169502956 Numerator - Packs per outer box 6	median useful life* 50000 h	
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EAN/UPC - Product/Case 8720169502956 Numerator - Packs per outer box 6	Material Nr. (12NC)	911401552032
Numerator - Packs per outer box 6	Numerator - Quantity Per Pack	1
	EAN/UPC - Product/Case	8720169502956
EAN/LIDC Case 0720100502274	Numerator - Packs per outer box	6
EAN/UPC - Case 8/201695032/4	EAN/UPC - Case	8720169503274

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