PHILIPS

Lighting

GreenSpace

DN510B 30S/840 PSU-E C WH

GreenSpace, 3D printed, 19.1 W, D200 mm, 3100 lm, 4000 K, High-gloss reflector, Clear, IP20

D200 mm, Plastic, Gray, Recessed, Power supply unit (On/Off), 3100 lm, 19.1 W, 161 lm/W, 4000 K, (0.38, 0.38) SDCM <3, High-gloss mirror, High-gloss reflector, Clear, IP20 | Finger-protected, IK02 | 0.2 J standard, Safety class II

Product data

General Information	
Number of gear units	1 unit
Gear	-
Driver included	Yes
Value ladder	Specification
Warranty period	5 years

Light Technical	
Luminous Flux	3,100 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color rendering index (CRI)	80
Number of light sources	1
Light source color	840 neutral white
Optic type	High-gloss mirror
Luminaire light beam spread	70°
Unified glare rating CEN	22

Operating and Electrical	
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	15.3 A
Inrush time	19.3 ms
Power Consumption	19.1 W
Power Factor (Fraction)	0.90
Connection	-
Cable	-
Number of products on MCB of 16 A type B	38
Suitable for random switching	No
Protection class IEC	Safety class II

Controls and Dimming	
Dimmable	No
Driver/power unit/transformer	Power supply unit (On/Off)
Constant light output	No

Mechanical and Housing	
Housing Material	Plastic
Reflector material	Polycarbonate aluminum coated

Optic material	Polycarbonate
Optical cover material	-
Fixation material	-
Housing Color	Gray
Optical cover finish	Clear
Reflector Finish	High-gloss reflector
Overall height	89 mm
Overall diameter	230 mm
Nominal Ceiling cut-out diameter	200 mm
Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Mounting	Recessed
Net Weight (Piece)	0.700 kg

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	-
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	10 %
Control gear failure rate at median useful life 50000 h	2 %
Control gear failure rate at median useful life 100000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

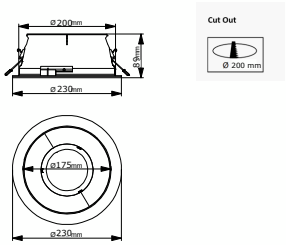
Sustainability rating	Unclassified
Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	10.9 kg CO_2e
Product non-virgin material ratio	13.1 %
Recyclable content ratio of the finished product	47 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) / lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled Plastic >35% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80% Plastic recycling rate > 40%
Packaging Material	Cardboard Plastic

Product Data

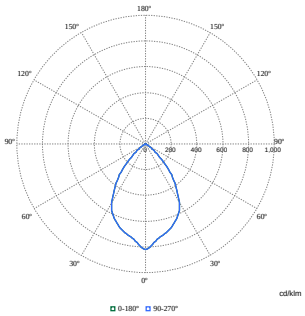
Order product name	DN510B 30S/840 PSU-E C WH
Full product name	DN510B 30S/840 PSU-E C WH
Full product code	872016983908300
Order code	83908300
Material Nr. (12NC)	910505105018
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169839083
Numerator - Packs per outer box	1
EAN/UPC - Case	8720169839083
Product family code	DN510B [GreenSpace]

GreenSpace

Dimensional drawing



Photometric data



Polar Normal (separate) - 910505105018