

LuxSpace Compact, recessed

DN610B



LuxSpace Compact, recessed: UltraEfficient, stylish and designed for circularity

Philips LuxSpace is designed to provide the perfect combination of efficiency, high visual comfort and stylish design without compromising on lighting performance. LuxSpace offers a long lifetime and efficacy of up to 185 lm/W, along with excellent colour rendering and light distribution which have a major influence on the visual and non-visual effects of light on human health and well-being. The LuxSpace downlight family offers a wide choice of options for creating the desired ambience and supporting user comfort, no matter what the application is. For office applications, LuxSpace offers dedicated tunable white luminaires with lighting controls for circadian lighting solutions and office-compliant versions (UGR19).

Benefits

- Best-in-class efficacy of up to 185 lm/ W
- Gentle, natural light ensures visual comfort
- Extensive design options with mounting types, rim colours and reflectors
- Perfect ceiling integration with narrow rim or rimless versions for plaster ceilings
- Improved glare control complies with office lighting standards
- High colour rendering up to CRI 90 (R9>50)

- Provides uniform lighting thanks to wide light distribution
- Supports circadian lighting solutions with tunable white luminaires and integrated lighting controls

Applications

- Offices
- Retail
- Hospitals and care centres
- Hospitality
- Airports

- Municipal Buildings
- Atriums

Features

- Mini (DN560B/DN561B), Compact (DN610B) and Square (DN572B) types for recessed applications
- Surface-mounted round (DN570C/DN571C) versions
- Choice of five optics: high gloss, faded lines, matte, white and black

- UGR19 is standard for Compact and optional for other versions
- White (RAL9003), grey (RAL9006) and black (RAL9004) are standard, with any other RAL colour possible upon request
- Compliant for central emergency lighting with DC (PSED driver type)
- Multiple additional options: PG and PGO (IP54 front face), emergency lighting (single battery 3 hours), through-wiring, Eca and B2ca cable and connector options
- Extended useful lifetime of 50,000 hours at L90

Versions



LuxSpace Compact, Recessed
- Faded lines reflector, Black Rim



LuxSpace Compact, Recessed
- Matt reflector, White Rim



LuxSpace Compact, Recessed
- Faded lines reflector, White Rim



LuxSpace Compact, Recessed
- Matt reflector, Black Rim



LuxSpace Compact, Recessed
- Clear reflector, Black Rim



LuxSpace Compact, Recessed
- Faded lines reflector, White Rim

LuxSpace Compact, Recessed
- Black reflector, White Rim



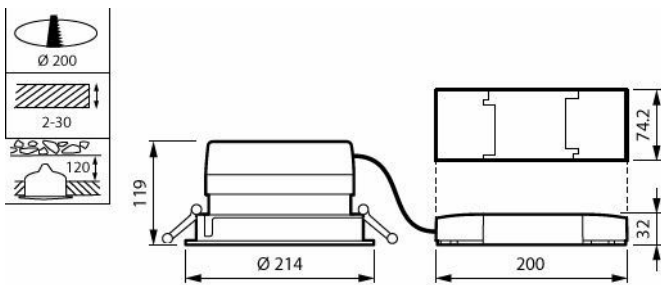
LuxSpace Compact, Recessed
- Clear reflector, White Rim, 240mm cut-out



LuxSpace Compact, Recessed
- White reflector, White Rim



Dimensional drawing



DN610B 20S/840 PSU-E M BK

Product details

LuxSpace Compact, Recessed
- Black reflector, White Rim



LuxSpace Compact, Recessed
- Faded lines reflector, White Rim, Tunable-white



General Information

Number of gear units	Unit
Driver included	Yes
Service Tag	Yes

Light Technical

Optic type	-
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Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	No
Protection class IEC	Safety class II

Mechanical and Housing

Ingress protection code	IP20 [Finger-protected]
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Emergency Operation

Central Emergency	No
Emergency lighting	Emergency lighting 3-hour duration Pro version

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
Ambient temperature range	+10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
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Product Data

Product family code	DN610B [LuxSpace Compact, recessed]
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Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Colour rendering index (CRI)
910505104698	DN610B 20S/840UE PSU-E FLR BK	2,000 lm	4000 K	185 lm/W	>80

Order Code	Full Product Name	Luminous Flux	Correlated Colour Temperature (Nom)	Luminous efficacy (rated) (nom.)	Colour rendering index (CRI)
910505104685	DN610B 24S/840 PSU-E M WH	2,300 lm	4000 K	116 lm/W	>80
910505104757	DN610B 40S/TWH DIA-E C WH	4,000 lm	Tunable white 2700-6500 K	121 lm/W	80
910505104699	DN610B 20S/840 PSU-E M BK	2,100 lm	4000 K	117 lm/W	>80
910505104697	DN610B 20S/840UE PSU-E C BK	2,000 lm	4000 K	185 lm/W	>80
910505104683	DN610B 24S/840UE PSU-E FLR WH	2,500 lm	4000 K	187 lm/W	>80
910505104755	DN610B 20S/940UE PSU-E FLR WH	1,900 lm	4000 K	176 lm/W	>90
910505104686	DN610B 24S/840 PSU-E BKR WH	2,700 lm	4000 K	95 lm/W	>80
910505104682	DN610B 24S/840UE PSU-E C WH	2,500 lm	4000 K	187 lm/W	>80
910505104736	DN610B 24S/840UE PSU-E C ELP3 WH	2,400 lm	4000 K	179 lm/W	>80
910505104745	DN610B 24S/840UE WIA-E C WH	2,500 lm	4000 K	158 lm/W	>80
910505104754	DN610B 20S/940UE PSU-E C WH	1,900 lm	4000 K	176 lm/W	>90
910505104684	DN610B 24S/840UE PSU-E WR WH	2,300 lm	4000 K	172 lm/W	>80

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505104698	DN610B 20S/840UE PSU-E FLR BK	10.8 W
910505104685	DN610B 24S/840 PSU-E M WH	19.8 W
910505104757	DN610B 40S/TWH DIA-E C WH	33 W
910505104699	DN610B 20S/840 PSU-E M BK	18 W
910505104697	DN610B 20S/840UE PSU-E C BK	10.8 W
910505104683	DN610B 24S/840UE PSU-E FLR WH	13.4 W
910505104755	DN610B 20S/940UE PSU-E FLR WH	10.8 W
910505104686	DN610B 24S/840 PSU-E BKR WH	28.5 W
910505104682	DN610B 24S/840UE PSU-E C WH	13.4 W
910505104736	DN610B 24S/840UE PSU-E C ELP3 WH	13.4 W
910505104745	DN610B 24S/840UE WIA-E C WH	15.8 W
910505104754	DN610B 20S/940UE PSU-E C WH	10.8 W
910505104684	DN610B 24S/840UE PSU-E WR WH	13.4 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505104698	DN610B 20S/840UE PSU-E FLR BK	No
910505104685	DN610B 24S/840 PSU-E M WH	No
910505104757	DN610B 40S/TWH DIA-E C WH	Yes
910505104699	DN610B 20S/840 PSU-E M BK	No
910505104697	DN610B 20S/840UE PSU-E C BK	No
910505104683	DN610B 24S/840UE PSU-E FLR WH	No
910505104755	DN610B 20S/940UE PSU-E FLR WH	No
910505104686	DN610B 24S/840 PSU-E BKR WH	No
910505104682	DN610B 24S/840UE PSU-E C WH	No

Order Code	Full Product Name	Dimmable
910505104736	DN610B 24S/840UE PSU-E C ELP3 WH	No
910505104745	DN610B 24S/840UE WIA-E C WH	Yes
910505104754	DN610B 20S/940UE PSU-E C WH	No
910505104684	DN610B 24S/840UE PSU-E WR WH	No

Mechanical and Housing

Order Code	Full Product Name	Housing Colour	Mech. impact protection code
910505104698	DN610B 20S/840UE PSU-E FLR BK	Black	IK03
910505104685	DN610B 24S/840 PSU-E M WH	White	IK03
910505104757	DN610B 40S/TWH DIA-E C WH	White	IK02
910505104699	DN610B 20S/840 PSU-E M BK	Black	IK03
910505104697	DN610B 20S/840UE PSU-E C BK	Black	IK03
910505104683	DN610B 24S/840UE PSU-E FLR WH	White	IK03
910505104755	DN610B 20S/940UE PSU-E FLR WH	White	IK03
910505104686	DN610B 24S/840 PSU-E BKR WH	White	IK03
910505104682	DN610B 24S/840UE PSU-E C WH	White	IK03
910505104736	DN610B 24S/840UE PSU-E C ELP3 WH	White	IK03
910505104745	DN610B 24S/840UE WIA-E C WH	White	IK02
910505104754	DN610B 20S/940UE PSU-E C WH	White	IK03
910505104684	DN610B 24S/840UE PSU-E WR WH	White	IK03

Approval and Application

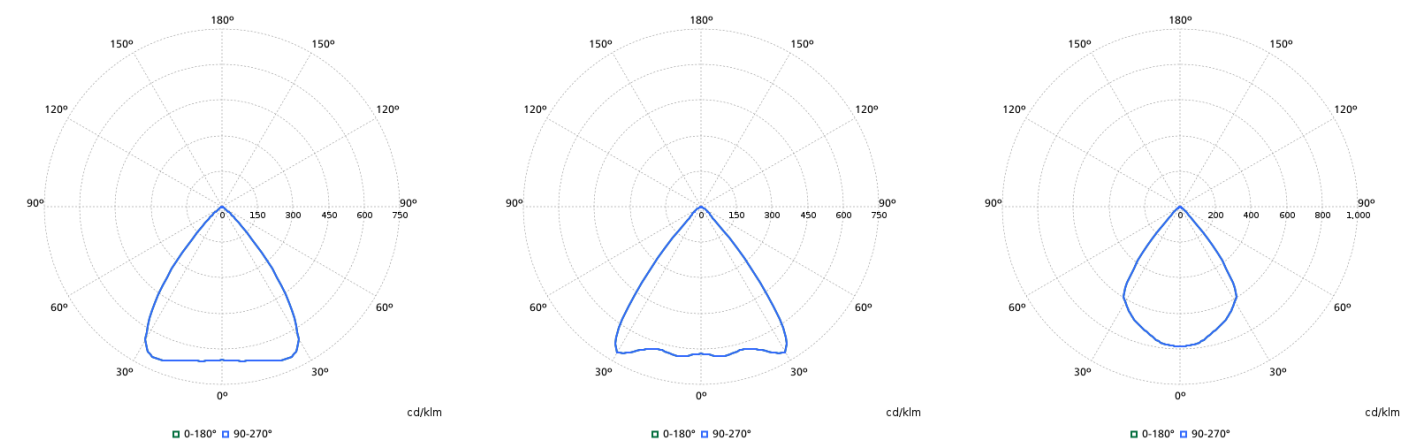
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910505104699	DN610B 20S/840 PSU-E M BK	ENEC mark
910505104697	DN610B 20S/840UE PSU-E C BK	ENEC mark
910505104683	DN610B 24S/840UE PSU-E FLR WH	ENEC mark
910505104755	DN610B 20S/940UE PSU-E FLR WH	ENEC mark
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910505104745	DN610B 24S/840UE WIA-E C WH	ENEC mark
910505104754	DN610B 20S/940UE PSU-E C WH	ENEC mark
910505104684	DN610B 24S/840UE PSU-E WR WH	ENEC mark

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
910505104698	DN610B 20S/840UE PSU-E FLR BK	(0.38,0.38)

Order Code	Full Product Name	Initial chromaticity
910505104685	DN610B 24S/840 PSU-E M WH	(0.38,0.38)
910505104757	DN610B 40S/TWH DIA-E C WH	-
910505104699	DN610B 20S/840 PSU-E M BK	(0.38,0.38)
910505104697	DN610B 20S/840UE PSU-E C BK	(0.38,0.38)
910505104683	DN610B 24S/840UE PSU-E FLR WH	(0.38,0.38)
910505104755	DN610B 20S/940UE PSU-E FLR WH	(0.38,0.38)
910505104686	DN610B 24S/840 PSU-E BKR WH	(0.38,0.38)
910505104682	DN610B 24S/840UE PSU-E C WH	(0.38,0.38)
910505104736	DN610B 24S/840UE PSU-E C ELP3 WH	(0.38,0.38)
910505104745	DN610B 24S/840UE WIA-E C WH	(0.38,0.38)
910505104754	DN610B 20S/940UE PSU-E C WH	(0.38,0.38)
910505104684	DN610B 24S/840UE PSU-E WR WH	(0.38,0.38)

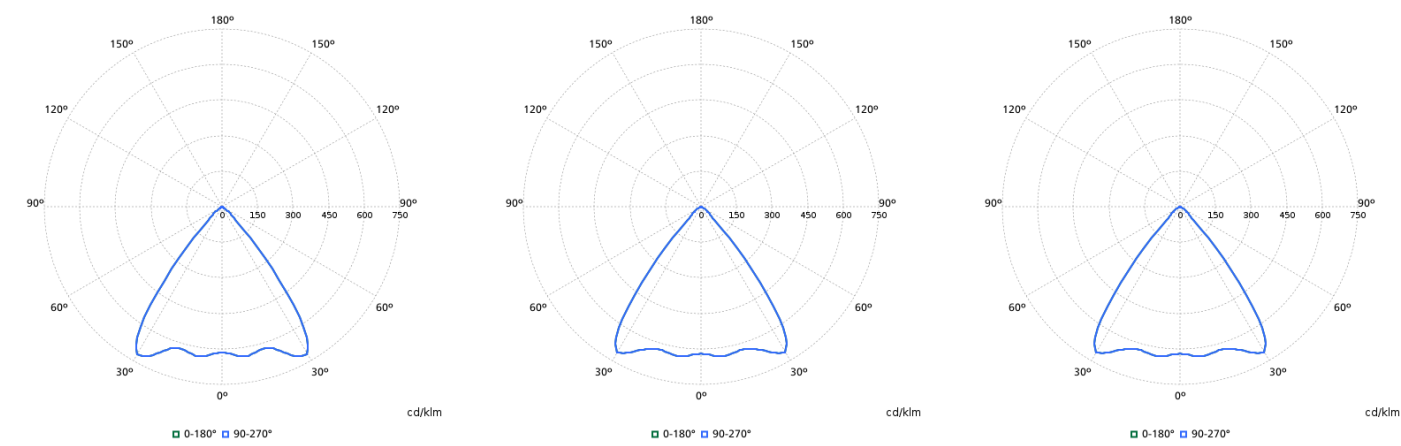
Polar normal diagrams



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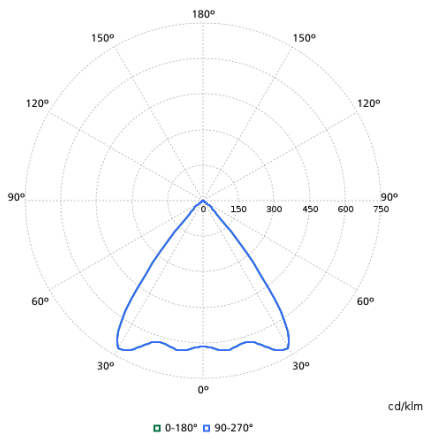
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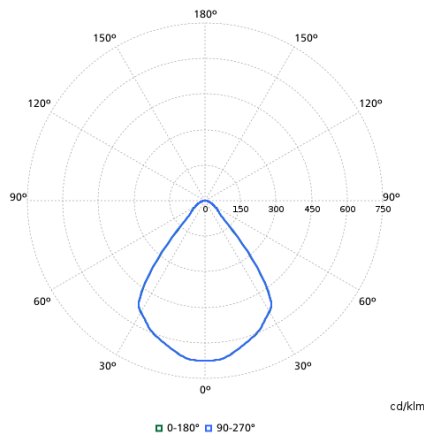
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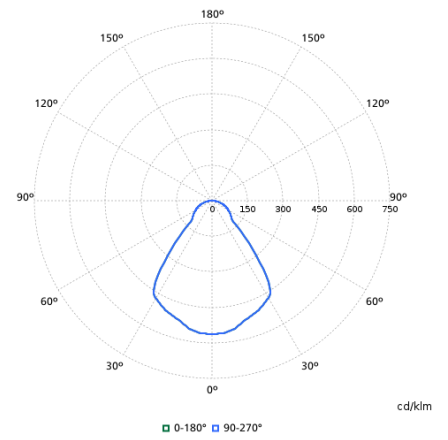
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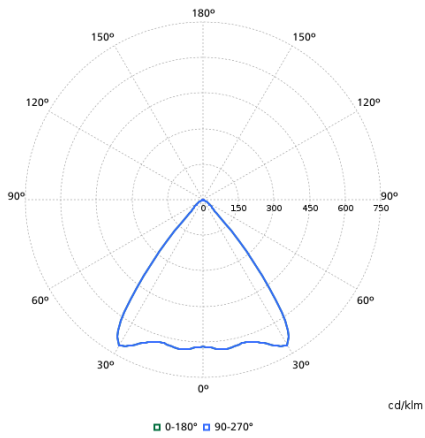
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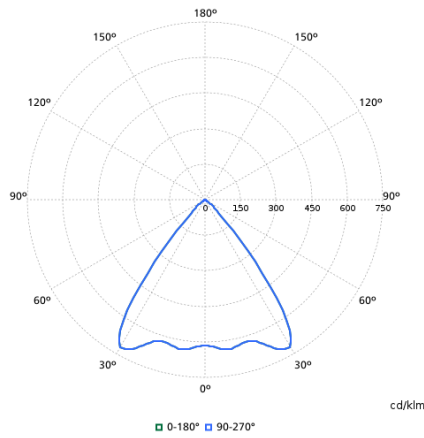
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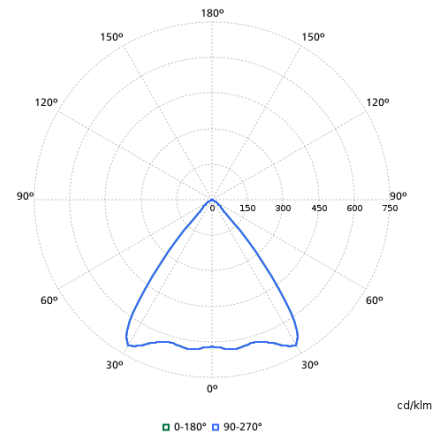
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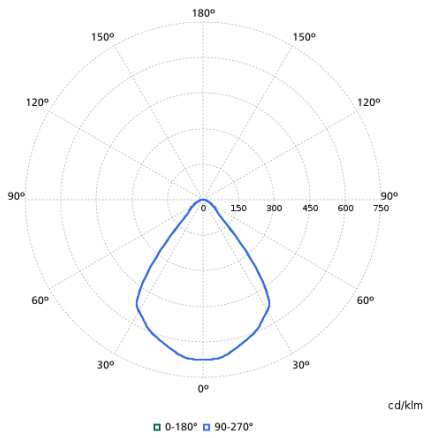
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