



# Philips LuxSpace Mini, recessed – high efficiency, visual comfort and a stylish design

## LuxSpace Mini, recessed

Customers are looking to optimise all their resources, and that means not just their running costs (energy, etc.) but also user costs where they see much a bigger impact on return. Therefore, LuxSpace is designed to provide the perfect combination of efficiency, visual comfort and design, without compromising on lighting performance (colour rendering and light distribution). It offers a wide choice of options for creating the desired ambience to support user comfort, whatever the application.

#### Benefits

- $\cdot$  Best-in-class efficacy with up to 150 lm/W
- Creates a gentle, natural light, ensuring visual comfort
- · Perfect ceiling integration with narrow rim or rimless version for plaster ceilings
- · Improved glare control with office compliancy
- Provides uniform lighting thanks to wide light distribution

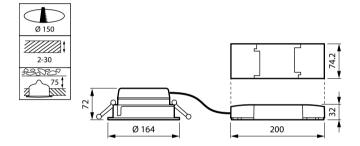
#### **Features**

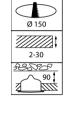
- · Choice of four optics: high-gloss, facetted, matt and white
- · Heights: deep (up to UGR 19), low (up to UGR 22)
- Rim colours: high-gloss metalised, white (RAL9003), grey (RAL9006), black (RAL9004) as standard
- · Rimless version available
- Light colour: CRI80 3000K, 4000K and CRI90 2700, 3000K and 4000K
- · Compliant for central emergency lighting with DC
- Multiple additional options: PG (Protection Glass front face) and PGO (IP54 Protection Glass Opal front face), 3 Hours emergency, through-wiring, Eca and B2ca class cable(Halogen free) and connector options

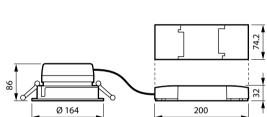
## **Application**

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

#### Dimensional drawing







Number of gear units  Service Tag  Light Technical  Correlated Colour Temperature (Nom) 4000 K  Colour rendering index (CRI) >80  Operating and Electrical  Protection class IEC Safety class II Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz  Mechanical and Housing Optical cover type - Housing Colour White Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark Glow-wire test Temperature 650 °C, duration 30 s	Driver included	Yes
Light Technical  Correlated Colour Temperature (Nom) 4000 K  Colour rendering index (CRI) >80  Operating and Electrical  Protection class IEC Safety class II Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz  Mechanical and Housing Optical cover type - Housing Colour White Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark Glow-wire test Temperature 650	Number of gear units	Unit
Correlated Colour Temperature (Nom) 4000 K  Colour rendering index (CRI) >80  Operating and Electrical  Protection class IEC Safety class II Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz  Mechanical and Housing Optical cover type - Housing Colour White Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark Glow-wire test Temperature 650	Service Tag	Yes
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Operating and Electrical Protection class IEC Safety class II Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz  Mechanical and Housing Optical cover type - Housing Colour White Mech. impact protection code IKO2 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark Glow-wire test Temperature 650	· ` ` '	100011
Protection class IEC Safety class II Input Voltage 220 to 240 V Line Frequency 50 to 60 Hz  Mechanical and Housing Optical cover type - Housing Colour White Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark Glow-wire test Temperature 650	Cotour rendering index (Citi)	-00
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Line Frequency 50 to 60 Hz  Mechanical and Housing  Optical cover type - Housing Colour White  Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application  CE mark Yes  ENEC mark  Glow-wire test Temperature 650	Protection class IEC	Safety class II
Mechanical and Housing  Optical cover type - Housing Colour White  Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application  CE mark Yes ENEC mark ENEC mark Glow-wire test Temperature 650	Input Voltage	220 to 240 V
Optical cover type - Housing Colour White Mech. impact protection code IKO2 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark ENEC mark Glow-wire test Temperature 650	Line Frequency	50 to 60 Hz
Optical cover type - Housing Colour White Mech. impact protection code IKO2 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark ENEC mark Glow-wire test Temperature 650		
Housing Colour White  Mech. impact protection code IKO2  Ingress protection code IP20  Approval and Application  CE mark Yes  ENEC mark  Glow-wire test Temperature 650	Mechanical and Housing	
Mech. impact protection code IK02 Ingress protection code IP20  Approval and Application CE mark Yes ENEC mark ENEC mark Glow-wire test Temperature 650	Optical cover type	-
Ingress protection code  Approval and Application  CE mark  ENEC mark  ENEC mark  Glow-wire test  IP20  IP20  IP20  Temperature 650	Housing Colour	White
Approval and Application  CE mark Yes  ENEC mark ENEC mark  Glow-wire test Temperature 650	Mech. impact protection code	IK02
CE mark Yes ENEC mark ENEC mark Glow-wire test Temperature 650	Ingress protection code	IP20
CE mark Yes ENEC mark ENEC mark Glow-wire test Temperature 650		
ENEC mark  Glow-wire test  ENEC mark  Temperature 650	Approval and Application	
Glow-wire test Temperature 650	CE mark	Yes
	ENEC mark	ENEC mark
°C, duration 30 s	Glow-wire test	Temperature 650
		°C, duration 30 s
Initial Performance (IEC Compliant)		
	Luminous flux tolerance	+/-10%

## **General Information**

Order Code	Full Product Name	Lamp family code	Light source replaceable
97049900	DN561B LED12S/840 PSU-E C WH	-	No
97055000	DN561B LED12S/840 DIA-VLC-E C WH	-	No
58580500	DN561B LED12S/840UE PSU-E C WH	12S	Yes
97045100	DN560B LED12S/840 PSU-E C WH	-	No
97051200	DN560B LED12S/840 PSU-E C ELP3 WH	-	No
97053600	DN560B LED12S/840 DIA-VLC-E C WH	-	No
97057400	DN560B LED20S/840 PSU-E C WH	-	No
58579900	DN560B LED12S/840UE PSU-E C WH	12S	Yes

## Light Technical

				Upwards
	Luminous			light
	efficacy (rated)	Luminous	Optic	output
Full Product Name	(nom.)	Flux	type	ratio
DN561B LED12S/840	138 lm/W	1,350 lm	-	-
PSU-E C WH				
DN561B LED12S/840	138 lm/W	1,350 lm	-	-
DIA-VLC-E C WH				
DN561B LED12S/	150 lm/W	1,200 lm	High-	0
840UE PSU-E C WH			gloss	
			mirror	
DN560B	138 lm/W	1,350 lm	-	-
LED12S/840 PSU-E				
C WH				
DN560B	105 lm/W	1,350 lm	-	-
LED12S/840 PSU-E				
C ELP3 WH				
	DN561B LED12S/840 PSU-E C WH  DN561B LED12S/840 DIA-VLC-E C WH  DN561B LED12S/ 840UE PSU-E C WH  DN560B LED12S/840 PSU-E C WH  DN560B LED12S/840 PSU-E	### ### ### #### #### ################	### Refricacy (rated)   Luminous	Pull Product Name

					Upwards
		Luminous			light
		efficacy (rated)	Luminous	Optic	output
Order Code	Full Product Name	(nom.)	Flux	type	ratio
97053600	DN560B	138 lm/W	1,350 lm	-	-
	LED12S/840 DIA-				
	VLC-E C WH				
97057400	DN560B	134 lm/W	2,200 lm	-	-
	LED20S/840 PSU-E				
	C WH				
58579900	DN560B LED12S/	150 lm/W	1,200 lm	High-	0
	840UE PSU-E C WH			gloss	
				mirror	

## Operating and Electrical

Order Code	Full Product Name	Power Consumption	Suitable for random switching
97049900	DN561B LED12S/840 PSU-E C WH	9.8 W	Yes
97055000	DN561B LED12S/840 DIA-VLC-E C WH	9.8 W	Yes
58580500	DN561B LED12S/840UE PSU-E C WH	8.2 W	No
97045100	DN560B LED12S/840 PSU-E C WH	9.8 W	Yes
97051200	DN560B LED12S/840 PSU-E C ELP3 WH	12.8 W	Yes

			Suitable for random
Order Code	Full Product Name	Power Consumption	switching
97053600	DN560B LED12S/840 DIA-VLC-E C WH	9.8 W	Yes
97057400	DN560B LED20S/840 PSU-E C WH	16.4 W	Yes
58579900	DN560B LED12S/840UE PSU-E C WH	8.2 W	No

## **Controls and Dimming**

Order Code	Full Product Name	Dimmable	Maximum dim level
97049900	DN561B LED12S/840 PSU-E C WH	No	-
97055000	DN561B LED12S/840 DIA-VLC-E C WH	Yes	1%
58580500	DN561B LED12S/840UE PSU-E C WH	No	Not applicable
97045100	DN560B LED12S/840 PSU-E C WH	No	-

Order Code	Full Product Name	Dimmable	Maximum dim level
97051200	DN560B LED12S/840 PSU-E C ELP3 WH	No	-
97053600	DN560B LED12S/840 DIA-VLC-E C WH	Yes	1%
97057400	DN560B LED20S/840 PSU-E C WH	No	-
58579900	DN560B LED12S/840UE PSU-E C WH	No	Not applicable

## **Emergency Operation**

		Emergency	Rated duration of the emergency lighting (when
Order Code	Full Product Name	lighting	fully charged)
97049900	DN561B LED12S/840 PSU-E C WH	-	-
97055000	DN561B LED12S/840 DIA-VLC-E C WH	-	-
58580500	DN561B LED12S/840UE PSU-E C WH	-	-
97045100	DN560B LED12S/840 PSU-E C WH	-	-
97051200	DN560B LED12S/840 PSU-E C ELP3 WH	Emergency lighting 3-hour	3 h

Order Code	Full Product Name	Emergency	Rated duration of the emergency lighting (when fully charged)
		duration Pro version	
97053600	DN560B LED12S/840 DIA-VLC-E C WH	-	-
97057400	DN560B LED20S/840 PSU-E C WH	-	-
58579900	DN560B LED12S/840UE PSU-E C	-	-

## **Approval and Application**

		Ambient temperature	
Order Code	Full Product Name	range	Flammability mark
97049900	DN561B LED12S/840	+10 to +25 °C	For mounting on
	PSU-E C WH		normally flammable
			surfaces
97055000	DN561B LED12S/840	+10 to +25 °C	For mounting on
	DIA-VLC-E C WH		normally flammable
			surfaces
58580500	DN561B LED12S/840UE	+10 to +35 °C	-
	PSU-E C WH		
97045100	DN560B LED12S/840	+10 to +25 °C	For mounting on
	PSU-E C WH		normally flammable
			surfaces

	Ambient temperature	
Full Product Name	range	Flammability mark
DN560B LED12S/840	+10 to +25 °C	For mounting on
PSU-E C ELP3 WH		normally flammable
		surfaces
DN560B LED12S/840	+10 to +25 °C	For mounting on
DIA-VLC-E C WH		normally flammable
		surfaces
DN560B LED20S/840	+10 to +25 °C	For mounting on
PSU-E C WH		normally flammable
		surfaces
DN560B LED12S/840UE	+10 to +35 °C	-
PSU-E C WH		
	DN560B LED12S/840 PSU-E C ELP3 WH  DN560B LED12S/840 DIA-VLC-E C WH  DN560B LED20S/840 PSU-E C WH  DN560B LED12S/840UE	Full Product Name         range           DN560B LED12S/840         +10 to +25 °C           PSU-E C ELP3 WH         +10 to +25 °C           DN560B LED12S/840         +10 to +25 °C           DN560B LED20S/840         +10 to +25 °C           PSU-E C WH         DN560B LED12S/840UE         +10 to +35 °C

## Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
97049900	DN561B LED12S/840 PSU-E C WH	(0.38, 0.38) SDCM <2
97055000	DN561B LED12S/840 DIA-VLC-E C WH	(0.38, 0.38) SDCM <2
58580500	DN561B LED12S/840UE PSU-E C WH	-
97045100	DN560B LED12S/840 PSU-E C WH	(0.38, 0.38) SDCM <2

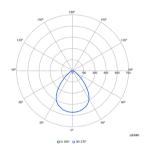
Order Code	Full Product Name	Initial chromaticity
97051200	DN560B LED12S/840 PSU-E C ELP3 WH	(0.38, 0.38) SDCM <2
97053600	DN560B LED12S/840 DIA-VLC-E C WH	(0.38, 0.38) SDCM <2
97057400	DN560B LED20S/840 PSU-E C WH	(0.38, 0.38) SDCM <2
58579900	DN560B LED12S/840UE PSU-E C WH	-

## **Product Data**

Order Code	Full Product Name	Product family code
97049900	DN561B LED12S/840 PSU-E C WH	DN561B
97055000	DN561B LED12S/840 DIA-VLC-E C WH	DN561B
58580500	DN561B LED12S/840UE PSU-E C WH	DN561B
97045100	DN560B LED12S/840 PSU-E C WH	DN560B

Order Code	Full Product Name	Product family code
97051200	DN560B LED12S/840 PSU-E C ELP3 WH	DN560B
97053600	DN560B LED12S/840 DIA-VLC-E C WH	DN560B
97057400	DN560B LED20S/840 PSU-E C WH	DN560B
58579900	DN560B LED12S/840UE PSU-E C WH	DN560B

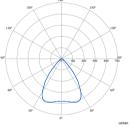
## **Polar Wide Diagrams**



Polar Normal (separate) - DN560BI -

910505100928

Polar Normal (separate) - DN560BI -

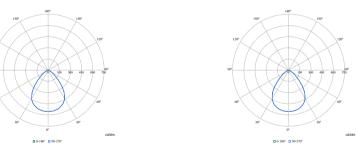


910505100920



910505100926

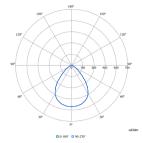
Polar Normal (separate) - DN560BI -910505100916



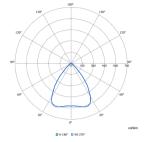
Polar Normal (separate) - DN560BI -910505100924

Polar Normal (separate) - DN560BI -910505100922

## **Polar Wide Diagrams**



Polar Normal (separate) - DN560BI - 910505102650



Polar Normal (separate) - DN560BI - 910505102651



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