

## 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 color 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 colors, and reflectors
- Perfect ceiling integration with narrow rim or rimless versions for plaster ceilings
- Improved glare control complies with office lighting standards
- High color 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 Centers
- 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), gray (RAL9006), and black (RAL9004) are standard, with any other RAL color 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  
- Clear reflector, Black Rim

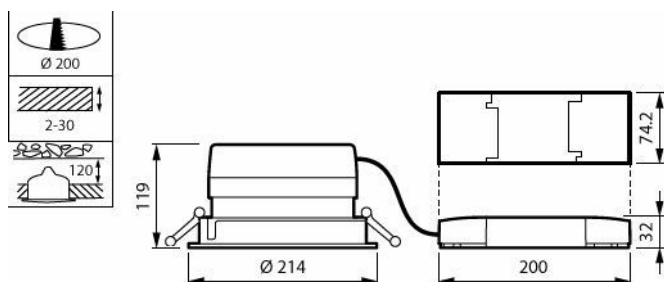


LuxSpace Compact, Recessed  
- Protection Glass Opal



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

## Dimensional drawing



DN610B 40S/840UE PSU-E C WH

Product details



LuxSpace Compact, Recessed  
- Clear reflector, White Rim

General Information

|                      |        |
|----------------------|--------|
| Number of gear units | 1 unit |
| Driver included      | Yes    |
| Service tag          | Yes    |

Light Technical

|                                    |        |
|------------------------------------|--------|
| Correlated Color Temperature (Nom) | 4000 K |
| Color rendering index (CRI)        | >80    |
| Optic type                         | -      |

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 |

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                 | ENEC mark                                   |
| Ambient temperature range | +10 to +35 °C                               |

Initial Performance (IEC Compliant)

|                         |             |
|-------------------------|-------------|
| Luminous flux tolerance | -10% / +10% |
| Initial chromaticity    | (0.38,0.38) |

Product Data

|                     |                                     |
|---------------------|-------------------------------------|
| Product family code | DN610B [LuxSpace Compact, recessed] |
|---------------------|-------------------------------------|

## Light Technical

| Order Code | Full Product Name               | Luminous Flux | Luminous Efficacy (rated) (Nom) |
|------------|---------------------------------|---------------|---------------------------------|
| 83584900   | DN610B 20S/840UE PSU-E C BK     | 2,000 lm      | 185 lm/W                        |
| 83581800   | DN610B 20S/840UE PSU-E C WH PGO | 2,000 lm      | 185 lm/W                        |
| 83569600   | DN610B 24S/840UE PSU-E C WH     | 2,500 lm      | 187 lm/W                        |
| 83574000   | DN610B 40S/840UE PSU-E C WH     | 4,200 lm      | 168 lm/W                        |
| 83578800   | DN610B 60S/840UE PSU-E C WH     | 5,900 lm      | 159 lm/W                        |
| 83605100   | DN610B 24S/840UE PSD-E C WH     | 2,500 lm      | 169 lm/W                        |
| 83608200   | DN610B 40S/840UE PSD-E C WH     | 4,200 lm      | 162 lm/W                        |
| 83611200   | DN610B 20S/840UE DIA-E C WH     | 2,200 lm      | 169 lm/W                        |
| 83628000   | DN610B 20S/840UE WIA-E C WH     | 2,200 lm      | 159 lm/W                        |
| 83634100   | DN610B 40S/840UE WIA-E C WH     | 4,200 lm      | 142 lm/W                        |

## Operating and Electrical

| Order Code | Full Product Name               | Power Consumption |
|------------|---------------------------------|-------------------|
| 83584900   | DN610B 20S/840UE PSU-E C BK     | 10.8 W            |
| 83581800   | DN610B 20S/840UE PSU-E C WH PGO | 10.8 W            |
| 83569600   | DN610B 24S/840UE PSU-E C WH     | 13.4 W            |
| 83574000   | DN610B 40S/840UE PSU-E C WH     | 25 W              |
| 83578800   | DN610B 60S/840UE PSU-E C WH     | 37 W              |
| 83605100   | DN610B 24S/840UE PSD-E C WH     | 14.8 W            |
| 83608200   | DN610B 40S/840UE PSD-E C WH     | 26 W              |
| 83611200   | DN610B 20S/840UE DIA-E C WH     | 13 W              |
| 83628000   | DN610B 20S/840UE WIA-E C WH     | 13.8 W            |
| 83634100   | DN610B 40S/840UE WIA-E C WH     | 29.5 W            |

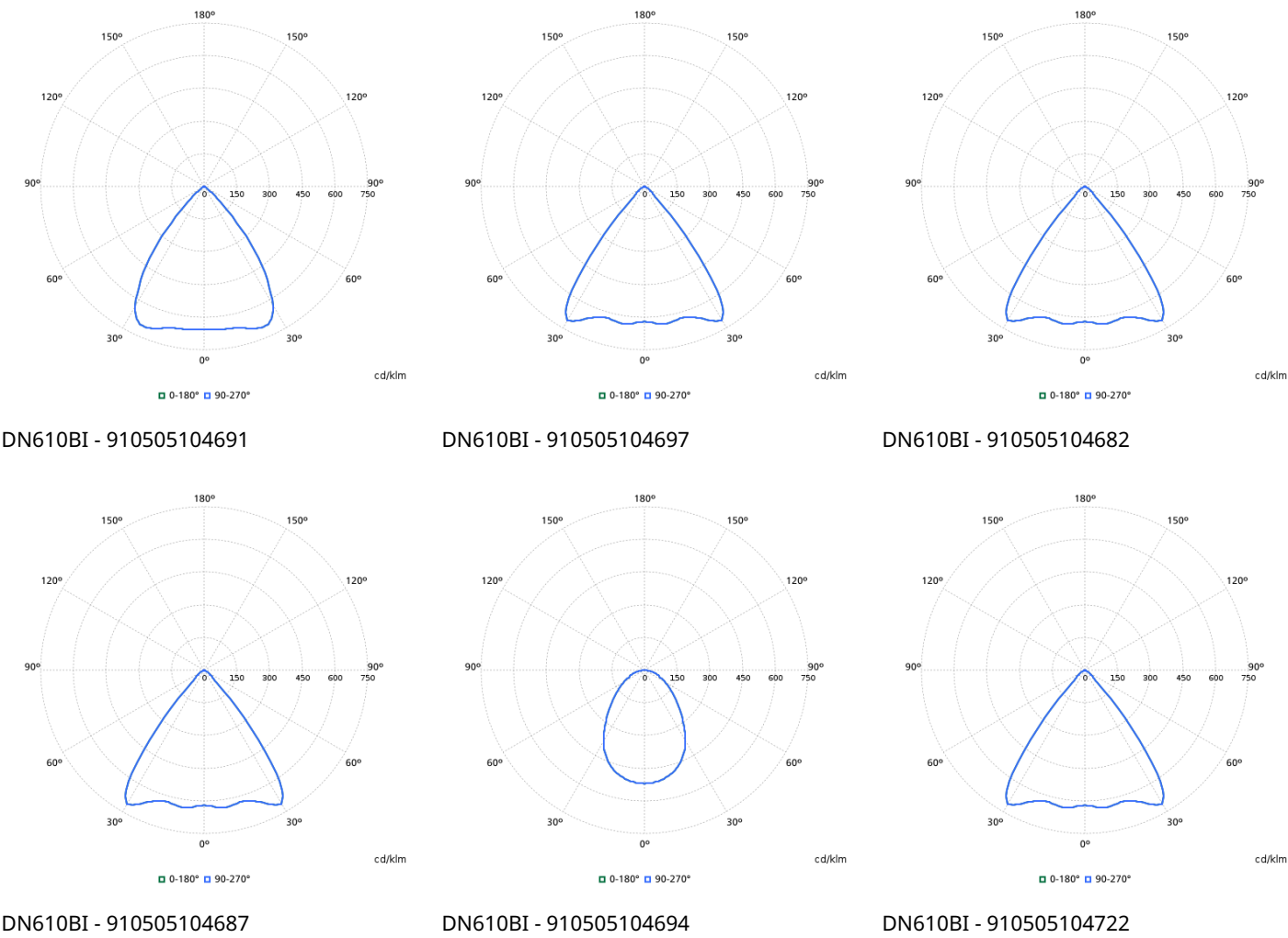
## Controls and Dimming

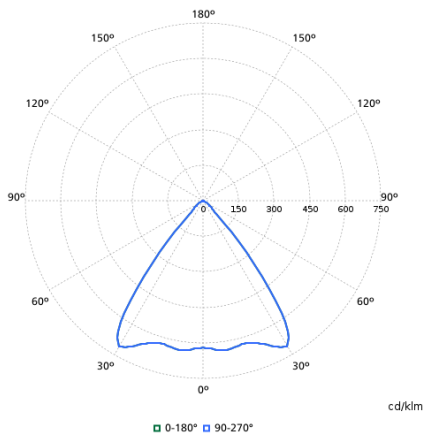
| Order Code | Full Product Name               | Dimmable |
|------------|---------------------------------|----------|
| 83584900   | DN610B 20S/840UE PSU-E C BK     | No       |
| 83581800   | DN610B 20S/840UE PSU-E C WH PGO | No       |
| 83569600   | DN610B 24S/840UE PSU-E C WH     | No       |
| 83574000   | DN610B 40S/840UE PSU-E C WH     | No       |
| 83578800   | DN610B 60S/840UE PSU-E C WH     | No       |
| 83605100   | DN610B 24S/840UE PSD-E C WH     | Yes      |
| 83608200   | DN610B 40S/840UE PSD-E C WH     | Yes      |
| 83611200   | DN610B 20S/840UE DIA-E C WH     | Yes      |
| 83628000   | DN610B 20S/840UE WIA-E C WH     | Yes      |
| 83634100   | DN610B 40S/840UE WIA-E C WH     | Yes      |

Mechanical and Housing

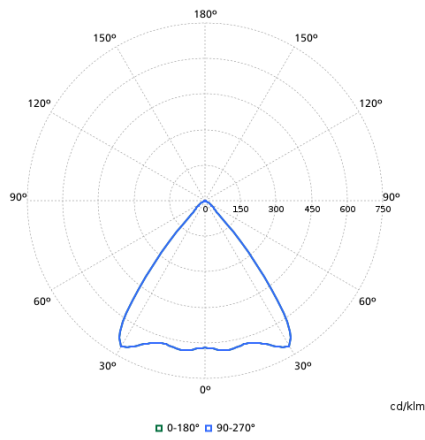
| Order Code | Full Product Name               | Housing Color | Ingress protection code | Mech. impact protection code |
|------------|---------------------------------|---------------|-------------------------|------------------------------|
| 83584900   | DN610B 20S/840UE PSU-E C BK     | Black         | IP20                    | IK03                         |
| 83581800   | DN610B 20S/840UE PSU-E C WH PGO | White         | IP20/54                 | IK03                         |
| 83569600   | DN610B 24S/840UE PSU-E C WH     | White         | IP20                    | IK03                         |
| 83574000   | DN610B 40S/840UE PSU-E C WH     | White         | IP20                    | IK02                         |
| 83578800   | DN610B 60S/840UE PSU-E C WH     | White         | IP20                    | IK02                         |
| 83605100   | DN610B 24S/840UE PSD-E C WH     | White         | IP20                    | IK02                         |
| 83608200   | DN610B 40S/840UE PSD-E C WH     | White         | IP20                    | IK02                         |
| 83611200   | DN610B 20S/840UE DIA-E C WH     | White         | IP20                    | IK02                         |
| 83628000   | DN610B 20S/840UE WIA-E C WH     | White         | IP20                    | IK02                         |
| 83634100   | DN610B 40S/840UE WIA-E C WH     | White         | IP20                    | IK02                         |

Polar normal diagrams

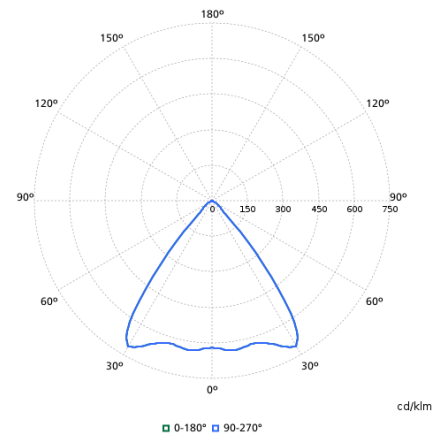




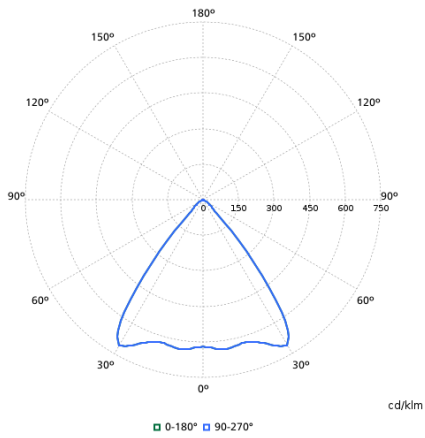
DN610BI - 910505104719



DN610BI - 910505104748



DN610BI - 910505104742



DN610BI - 910505104725