PHILIPS

Lighting



# Miniaturized downlight with leading optical performance and great diversity

## LuxSpace G4

LuxSpace Gen4 is the a new LED downlight range combining light comfort and leading performance with luxury looking

**Benefits**

- Visual comfort
- Multiple options for various applications
- Smart lighting

**Features**

- Miniaturized form factor
- High optical efficiency
- Great product diversity
- Tunable white

**Application**

- Office
- shopping mall
- hotel
- retail

**Specifications**

# LuxSpace G4

| | |
|---|---|
| **Mounting type** | Recessed |
| **Operating Temperature range** | -20 to +40 ºC |
| **Light Source** | LED module |
| **Mains Voltage** | 220-240V AC / 50-60Hz |
| **Dimming** | PSU: non-dimmable |
| | PSD: Dimmable via Dali protocol |
| | WIA: Wireless control |
| | POE: Power over Ethernet |
| **Control system input** | DALI / POE /WIA |
| **Material** | Housing: die-cast aluminum |
| **Main color of the luminaire** | Black & White |
| **Lumen maintenance at median useful life 50.000h** | L70 |
| **Flicker / Pst / SVM** | <4% |
| **Luminous flux** | 740lm, 1000lm, 1500lm, 2000lm, 2600lm, 3400lm, 4300lm @840 |
| **Power consumption** | 6.6-39.7W |

| | |
|---|---|
| **Luminaire efficacy** | 97-127 lm/W @840 |
| **Correlated color temperature - CCT** | 3000K, 4000K, Tunable White |
| **Color Rendering index - CRI** | 80, 90 |
| **Beam angle** | 32°-36° |
| | 56°-63° |
| **Reflector material** | Plastic, Aluminum coated |
| **Optic** | AL coating |
| | Office compliant UGR<19 (OC) |
| **Mechanical impact protection** | IK02, IK03 |
| **Ingress protection** | IP20 / IP54 (front side) |
| **Light source replaceable** | No |
| **Driver replaceable** | Yes |
| **Overall diameter** | D100,D125,D150,D200 |
| **UGR** | 19 |
| **Installation** | recessed |
| | Fixation by means of spring fasteners |

## Versions



**Recessed downlight DN588B D150 D200**

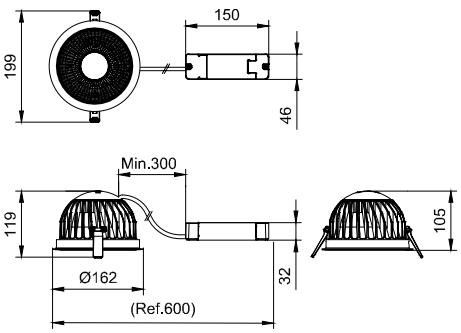


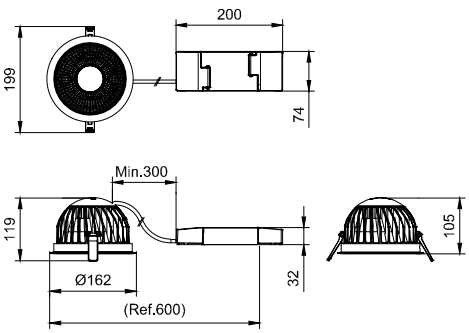
**Luxspace G4**



**Luxspace G4**

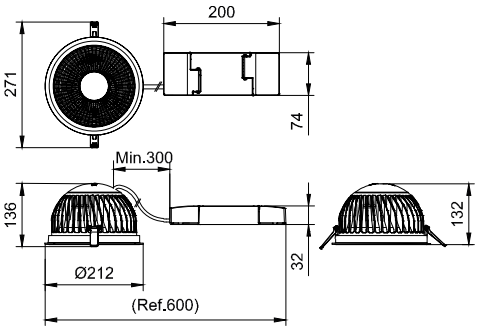
## Dimensional drawing

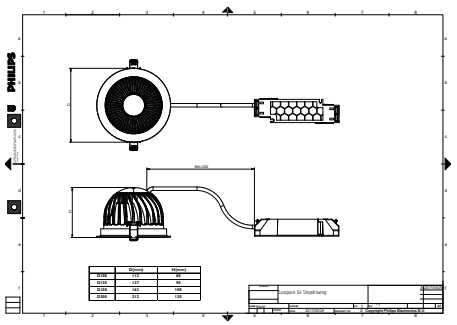


# LuxSpace G4

## Dimensional drawing



| General Information | |
|---|---|
| **CE mark** | CE mark |
| **Operating and Electrical** | |
| **Input Voltage** | 220 to 240 V |
| **Line Frequency** | 50 or 60 Hz |
| **Temperature** | |
| **Ambient temperature range** | -20 to +40 °C |
| **Controls and Dimming** | |
| **Dimmable** | Yes |
| **Initial Performance (IEC Compliant)** | |
| **Luminous flux tolerance** | +/-10% |

## General Information

| Order Code | Full Product Name | Driver included | Flammability mark | Glow-wire test | Light source replaceable | Number of gear units |
|---|---|---|---|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | Yes | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s | No | 1 unit |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | Yes | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s | No | 1 unit |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | Yes | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s | No | 1 unit |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | Yes | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s | No | 1 unit |
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | Yes | For mounting on normally flammable surfaces | Temperature 650 °C, duration 30 s | No | 1 unit |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | - | - | - | - | - |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | - | - | - | - | - |

## Light Technical

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Optical cover type | Color rendering index (CRI) | Luminous Efficacy (rated) (Nom) | Luminous Flux | Optic type |
|---|---|---|---|---|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | 3000 K | Reflector | >80 | 25 lm/W | 990 lm | Facetted reflector with beam angle 60° |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | 4000 K | Reflector | >80 | 125 lm/W | 1,050 lm | Facetted reflector with beam angle 60° |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | 4000 K | Reflector | >80 | 115 lm/W | 1,550 lm | Facetted reflector with beam angle 60° |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | 4000 K | Reflector | >80 | 108 lm/W | 4,300 lm | Facetted reflector with beam angle 60° |
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | 4000 K | Reflector | >80 | 109 lm/W | 1,470 lm | Facetted reflector with beam angle 60° |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | 4000 K | - | >90 | 84.11423376623377 lm/W | 647.6796 lm | - |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | 4000 K | - | >90 | 101.94157594936709 lm/W | 1,610.6769000000002 lm | - |

## Operating and Electrical

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | 10.5 W |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | 10.5 W |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | 13.8 W |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | 39 W |

| Order Code | Full Product Name | Power Consumption |
|---|---|---|
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | 13.8 W |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | 7.7 W |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | 15.8 W |

## Mechanical and Housing

| Order Code | Full Product Name | Housing Color |
|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | White and black |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | White and black |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | White and black |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | White and black |

| Order Code | Full Product Name | Housing Color |
|---|---|---|
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | White and black |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | - |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | - |

## Approval and Application

| Order Code | Full Product Name | Protection class IEC | Mech. impact protection code | Ingress protection code |
|---|---|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | Safety class II | IK03 | IP20 |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | Safety class II | IK03 | IP20 |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | Safety class I | IK03 | IP20 |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | Safety class I | IK03 | IP20 |

| Order Code | Full Product Name | Protection class IEC | Mech. impact protection code | Ingress protection code |
|---|---|---|---|---|
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | Safety class I | IK03 | IP20/54 |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | Safety class II | IK02 | IP20 |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | Safety class II | IK02 | IP20 |

## Over Time Performance (IEC Compliant)

# LuxSpace G4

| Order Code | Full Product Name | Driver failure rate at 5000 h | Median useful life L80B50 | Median useful life L90B50 |
|---|---|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | 1 % | 50,000 hour(s) | 21,000 hour(s) |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | 1 % | 50,000 hour(s) | 21,000 hour(s) |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | 1 % | 50,000 hour(s) | 21,000 hour(s) |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | 1 % | 50,000 hour(s) | 21,000 hour(s) |

| Order Code | Full Product Name | Driver failure rate at 5000 h | Median useful life L80B50 | Median useful life L90B50 |
|---|---|---|---|---|
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | 1 % | 50,000 hour(s) | 21,000 hour(s) |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | - | - | - |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | - | - | - |

## Application Conditions

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 911401552041 | DN589B LED10/830 PSD C D150 WH WB CAU | 1% |
| 911401552141 | DN589B LED10/840 PSD C D150 WH WB CAU | 1% |
| 911401552241 | DN590B LED15/840 PSD C D150 WH WB CAU | 1% |
| 911401552641 | DN594B LED40/840 PSD C D200 WH WB CAU | 1% |

| Order Code | Full Product Name | Maximum dim level |
|---|---|---|
| 911401553641 | DN590B LED15/840 PSD C D150 WH WB WP CAU | 1% |
| 911401567271 | DN588B LED6/940 PSD C D100 WH CAU | - |
| 911401567671 | DN590B LED15/940 PSD C D150 WH CAU | - |

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