



# High-efficiency sustainable LED solution

Philips LuxSpace G3



**PHILIPS**



## LuxSpace G3

The Philips energy-efficient LuxSpace family has now received a major upgrade, in the form of an improved system efficacy that reaches 90-100 lm/W. The extremely low power consumption of this LED solution results in significant energy savings compared with traditional CFL downlights. There is also a range of different sizes and outputs, and an array of different accessories, ensuring maximum flexibility in customising the right light effect for your application. Best of all, this family of luminaires delivers specification grade performance options, including a DALI dimming system, IP54 ingress protection (front part) and better glare control than ever before. These innovative downlights are ideal for applications in offices, shops, hotels and hospitals where an energy efficient general lighting solution is needed.

### Features and benefits

- Features the latest LED technology to deliver high system efficacy, resulting in up to 70% energy savings compared with conventional CFL downlights.
- Realises specification grade standards in visual comfort, performance and consistent colour rendering ( $>Ra80$ ), and colour consistency ( $SDCM<3$ ).
- Provides more flexibility with a full range of optional accessories.
- Compact curved design gives the luminaire a professional look.





## Suitable for all applications

The 3rd generation LuxSpace offers savings of up to 70% when compared with conventional CFL downlights and features the latest LED technology. It is very easy to install, and its long lifetime of 50,000 hours means an end to the hassle of relamping – a true 'fit and forget' solution.

The combination of the LEDs and the high efficient optic system of LuxSpace makes it ideal for use in many environments and general lighting applications. The LuxSpace range consists of five types of models:

- Micro can replace 2 x 13W CFL Downlight.
- Mini can replace 2 x 18W CFL Downlight.
- Compact can replace 2 x 26W CFL Downlight.
- Compact power can replace 2 x 32W CFL Downlight.
- Power can replace 2 x 42W CFL Downlight.

LuxSpace is a high efficient office compliance downlight, meeting all office requirements of glare control for European norms (comfort version).

Basic Optic  
UGR22  
25° shielding / 65° cut-off



Comfort Optic  
UGR19  
30° shielding / 60° cut-off







## Maximum performance



### **LED Lighting must be Designed as a System**

LED lighting products must not be evaluated based on the rated performance of the individual LED chips, or other components, as each will function differently in various operating environments. The Philips LuxSpace system approach involves the concurrent design of power conversion, LED circuits, thermal management and optics. This guarantees that all components will deliver optimum performance and long life.

Thermal management is critical to every aspect of an LED system. Light output, life and colour stability are all directly related to operating temperature. By designing the light engine as a fully enclosed, modular system, maximum heat dissipation is ensured and the potential for field contamination has been eliminated.

Separated from the light engine to minimise heat conduction, the Philips-proprietary power supply rapidly and accurately controls power output to the light engine. The result is a highly efficient power conversion system, optimised to maximise the effectiveness of the LuxSpace luminaire. With a DALI based driver option LuxSpace can be dimmed and controlled, making it even easier to save energy.

## LuxSpace Accessories

*Different suspended glasses are available as accessories*

Micro: ZBG470 C SG-FRC  
 Mini: ZBS480 C SG-FRC  
 Compact/Compact Power: ZBS490 C SG-FRC



Glass disk with frosted inner part in suspended position SG-FRC

Micro: ZBG470 C SG-HR-FR  
 Mini: ZBS480 C SG-HR-FR  
 Compact/Compact Power: ZBS490 C SG-HR-FR



Frosted-glass halo ring in suspended position SG-HR-FR

Micro: ZBG470 C SG-O  
 Mini: ZBS480 C SG-O  
 Compact/Compact Power: ZBS490 C SG-O



Opal glass in suspended position SG-O

*Different recessed glasses are available as accessories*

Micro: ZBG470 C GF  
 Mini: ZBS480 C GF  
 Compact/Compact Power: ZBS490 C GF



Recessed frosted glass GF

Micro: ZBG470 C GF-FR  
 Mini: ZBS480 C GF-FR  
 Compact/Compact Power: ZBS490 C GF-FR



Recessed frosted glass halo ring GF-FR

*Ring adaptors are available as accessories*

Micro: ZBG470 C CFRM D150 WH  
 Mini: ZBS480 C CFRM D175 WH  
 Compact/Compact Power: ZBS490 C CFRM D225 WH



Ring adaptor CFRM WH

Micro: ZBG470 C CFRM D150 GR  
 Mini: ZBS480 C CFRM D175 GR  
 Compact/Compact Power: ZBS490 C CFRM D225 GR



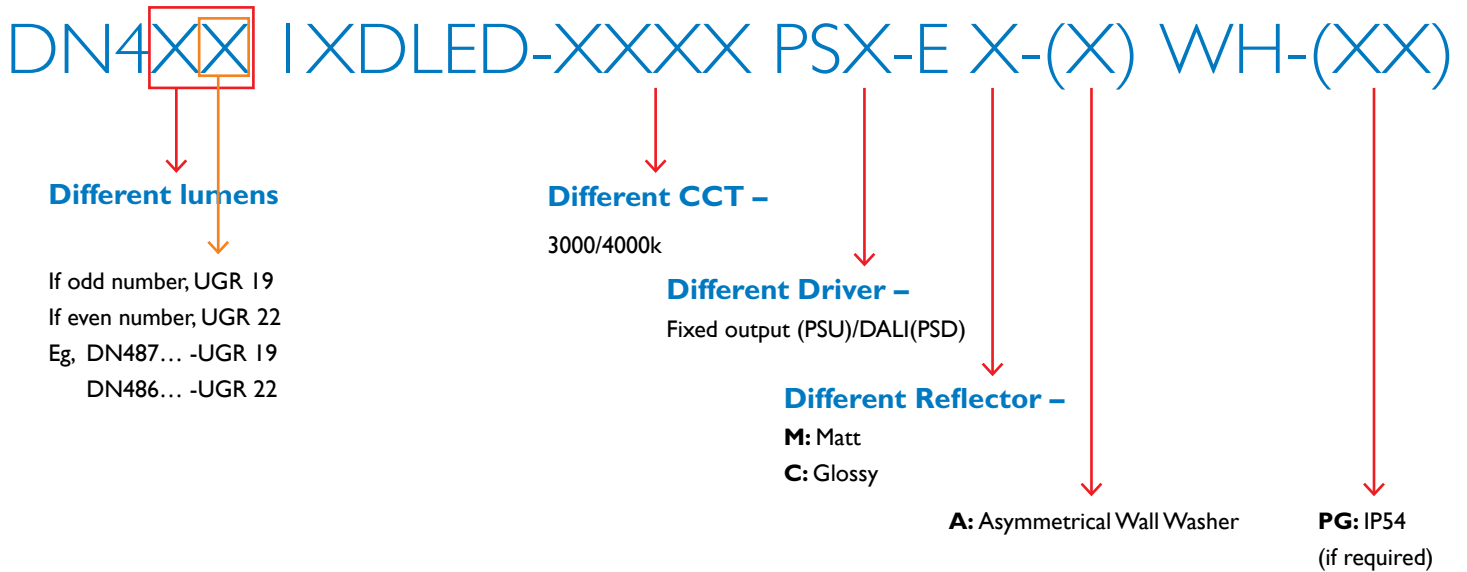
Ring adaptor CFRM GR



*LuxSpace with ring adaptor*

# How to Specify LuxSpace Downlights

Use the details below as a guide to complete your product specification code.



So, as an example, if you require a 2000 lumen LED downlight with fixed output driver that has an asymmetrical matt reflector and a colour temperature of 4000K (and standard IP20 rating), the code would be as follows:

DN498 IXDLED-4000 PSU-E-M-A-WH

# LuxSpace



Model	LuxSpace 3 Micro	LuxSpace 3 Mini	LuxSpace 3 Compact	LuxSpace 3 Compact Power	LuxSpace 3 Power
Can replace	2 x 13W CFLi	2 x 18W CFLi	2 x 26W CFLi	2 x 32W CFLi	2 x 42W CFLi
Model Code	DN478	DN488/89	DN486/87	DN498/99	DN496/97
System Wattage & Flux (W @lumen)	7W @ 640lm	10W @ 1000lm	15W @ 1500lm	20W @ 2000lm	34W @ 3100lm
Efficacy	85lm/W (3000K), 91lm/W (4000k)	95lm/W (3000k), 99lm/W (4000k)	93lm/W (3000K), 97lm/W (4000k)	94lm/W (3000K), 98lm/W (4000k)	88lm/W (3000K), 91lm/W (4000k)
Cutout (mm)	125mm	150mm	150mm	200mm	200mm
Dimension (WxH/ mm)	137 x 71	163 x 88	163 x 88	218 x 119	218 x 119
Weight (Kg)	0.66	1.06	1.06	1.88	1.88
Colour Temp	3000/4000k	3000/4000k	3000/4000k	3000/4000k	3000/4000k
CRI	>80	>80	>80	>80	>80
SDCM	3	3	3	3	3
Beam angle	refer to IES files	refer to IES files	refer to IES files	refer to IES files	refer to IES files
Lifetime (at L70 25 degrees)	50Khrs	50Khrs	50Khrs	50Khrs	50Khrs
Reflector Options	Gloss/Matt/Assy	Gloss/Matt/Assy	Gloss/Matt/Assy	Gloss/Matt/Assy	Gloss/Matt/Assy
UGR	22	19/22	19/22	19/22	19/22
Accessories	Various Dropped Glass options	Various Dropped Glass options	Various Dropped Glass options	Various Dropped Glass options	Various Dropped Glass options
IP	IP20/54	IP20/54	IP20/54	IP20/54	IP20
Dimmable	Fixed/Dali	Fixed/Dali	Fixed/Dali	Fixed/Dali	Fixed/Dali

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