Technical Datasheet

30W LED Downlight - Adjustable - SILVER Double - CRI+92 - UGR13

Product code:

Reference: B983C-P-30WUGR13

Technical specifications:

REFERENCE: B983C-P-30WUGR13
Rated Power : 30W
Nominal Voltage: 85V-265V
Colour: 3000K - 4000K
CRI - Chromatic Rendiment Index: 92
Construction Material: Aluminiun+PC
Luminosity-Lm: 2x1950 Lm
Number & Type of LEDs: Bridgelux Chip Inside 12C3B
Beam Angle (º): 36º
Luminous diodo LED (Lm/W): 160 Lm/w
Luminous Efficiency (Lm/W): 130 Lm/W
Certifications: CE - ROHS
IP : IP44
Diode Life Expectancy (H): 35.000
Dimensions (mm): 173x93xH29mm
Frequency (Hz): 50/60Hz
Temperature Range (ºC): -20°C ~ +55°C
On/Off Cycles: 100.000
Starting Time (s): 0,2s
Cut-out Size (mm): Ø80x160mm
Glare Rating (UGR): 13
Energy Rating (2021-UE-2019/2015): A+
Energy Rating (2023 - UE-2019/2015): E
Warranty Years: 3

Product short description:

The 30**W LED Downlight** is made of aluminum, its **Bridgelux COB** diode is high power and has an external driver, with a good performance of 130Lm/W. High color rendering index +92 - **PROFESSIONAL COLOR** - to enjoy light quality and have real and professional colours.

It has a **UGR13,** which means that it is a luminaire that does not produce glare, which makes it perfect for work areas.

Product description:

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The **Downlight LED 30W** is a very versatile product, which combines good performance and great energy savings. Its small size makes its design perfect

Our module incorporates an **external Driver** that allows the LED to work at **higher powers**, extends the useful life, and **increases the luminous power** of the LED diode, as the heat generated by the driver does not interfere with the diode, thus increasing the useful life of the whole luminaire.

Its **Bridgelux COB** diode delivers 130 lm/W, which makes it highly efficient and energy-saving. Bridgelux is a recognised brand in the manufacture of high quality COB diodes. Some of the specific advantages of the Bridgelux COB diode are:

- High energy efficiency: they provide powerful light output with relatively low power consumption.
- High quality of light: they deliver excellent colour rendering (high CRI) and a constant colour temperature, making objects and spaces look more natural and vivid.
- Compact design: they have a compact and lightweight design, making them easy to integrate into different luminaires.
- Greater reliability and durability: they are designed to be long-lasting and reliable.

Our downlight has a **UGR13** level - Low UGR level.

UGR stands for "Unified Glare Ratio" and is used to measure the amount of glare that can be perceived by a person in an illuminated environment. A low UGR indicates that the environment has a lower level of glare and therefore provides a better quality of illumination.

Some advantages of having a low UGR are:

- Increased visual comfort: By reducing glare, the environment becomes more comfortable for the eyes and reduces eyestrain, which can improve productivity and concentration.
- Improved performance: A low UGR environment provides better quality of light and can improve visual performance, which is especially important in work and study environments.
- Improved safety: Low UGR can also improve safety in workspaces by reducing the risk of accidents caused by glare.
- Aesthetically appealing: Environments with a low UGR can be more aesthetically appealing, as objects and surfaces appear clearer and sharper, creating a more pleasant environment.

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In summary, a low UGR provides a number of benefits, such as increased visual comfort, improved performance, enhanced safety and attractive aesthetics, making it an important factor to consider when designing and planning lighting in workspaces, study and other environments.

Its **+92 CRI** allows colours to be perceived with total professionalism and accuracy, which is also perfect for photo studios and commercial premises where professional high performance lighting is required.

The CRI, or "Colour Rendering Index", is a measure of a light source's ability to accurately reproduce the colours of objects compared to a natural light source. A high CRI indicates that the light source can reproduce colours more accurately and in greater detail. Advantages of having a high CRI are:

- More natural and vivid colours: which improves the appearance and perception of objects and spaces.
- Improved colour perception accuracy: allows more accurate perception of differences between colours, which can be especially important in applications such as fashion, interior design, art and museum lighting.
- Improved light quality: improves the quality of light in terms of contrast and clarity, which can make objects and surfaces appear sharper and crisper.
- Improved visual performance: Improves visual performance in tasks that require good colour perception and detail, such as reading, sewing or precision work.
- Improved visual comfort: With more natural, vivid colours and better detail perception, visual fatigue is reduced and visual comfort is improved, which can enhance well-being and productivity in work and study environments.

The beam of light is of high quality due to its high CRI+92, and its primary angle of 36º, which gives us the possibility of highlighting specific elements of a room; at the same time it provides us with significant savings in electricity consumption.

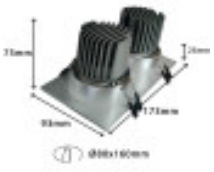
Our Downlingt 30W is made of aluminium, which is a good conductor of heat, which helps to dissipate the heat generated by the LEDs, which in turn prolongs their useful life.

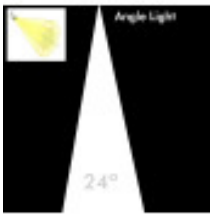
Uses of the 30W LED Downlight - Adjustable - SILVER Double- CRI+92 - UGR13

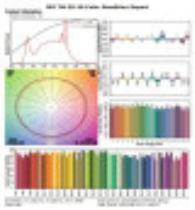
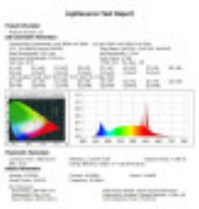
- Bathrooms
- Wardrobes
- Bedrooms
- Showcases
- Shop windows
- Corridors
- Shops
- Commercial premises
- Work areas

In FactorLED we ensure that our products have QUALITY guarantee and offer all the necessary elements for DISTRIBUTION, IMPORT or WHOLESALE, including the technical data sheet of each LED product.

Additional images:



Notice: Product subject to change without prior notice. Ensure to use the most recent technical datasheet.