

CLED100 & CLED200 GP-STA

General Purpose LED Lighting Fixture

The CLED100 and CLED200 GP-STA-2.9k-DIM-STD is a general purpose luminaire giving a flood of light. This low glare (UGI 18.5), flood beam and high output makes it the natural replacement to the halogen downlight. This product is independently certified as suitable for general lighting to replace the halogen lamp. CLED products have exceptional warmth of light and consistency of +/- 38 Kelvin – one MacAdam ellipse. CLED products have guaranteed compatibility and dimming performance with recommended Crestron lighting control systems.

CLED100 & CLED200

The Crestron CLED100 & CLED200 are part of the proven Crestron lighting range. This range of LED fixtures replicate the performance, colour temperature and CRI of a traditional halogen fixture.

Guaranteed Smooth Dimming

The CLED100 & CLED200 dim smoothly from 100-0%. This dimming curve mimics the performance of a halogen down light, even warming when dimmed at low levels. This is made possible by using the Crestron recommended mains dimmable driver in conjunction with Crestron DIM1-DIMU4, CLXI-1DELV4 or CLWI-DIMWEX (wireless solution for retrofit). The CLED range will be supplied with a mains dimmable driver, DALI and 0-10v drivers are also available upon request.

Guaranteed Colour Consistency

The more precise the binning, the more precise of the colour temperature will be. Crestron has exceptionally precise binning to 1/16th of a bin (within 1 MacAdam Ellipse); this binning has a variation that is so small no human eye can see the difference between any Crestron LED down light.

CRI (Colour Rendering Index)

Crestron LED luminaires have a CRI of 86. This is exceptionally high. It means that Crestron luminaires make lit objects appear to have colours similar to the way they appear in natural daylight.

Thermal Management

Thermal management is important in CLED100/200. If the LEDs are above recommended temperatures they will produce less light and also deteriorate over time. In order for LEDs to last for at least 70,000 hours L70 it is important that the luminaire's thermal management keeps the LED to appropriate temperatures. The specially designed heat sink controls the operating temperature of the product helping to maintain reliability, lifespan and performance.

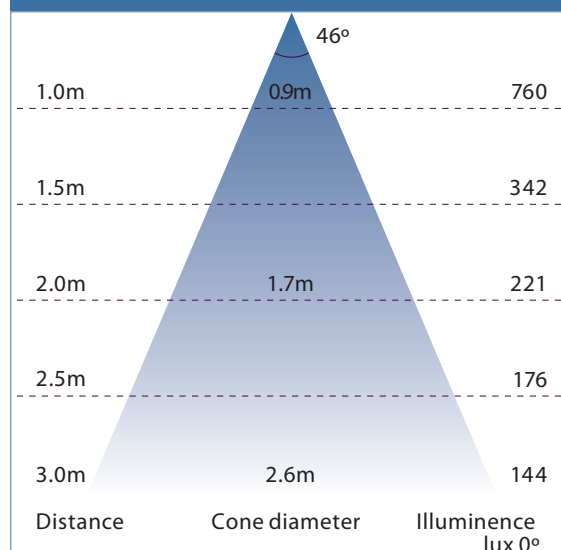
Lifespan and Warranty

70,000 hours lifespan

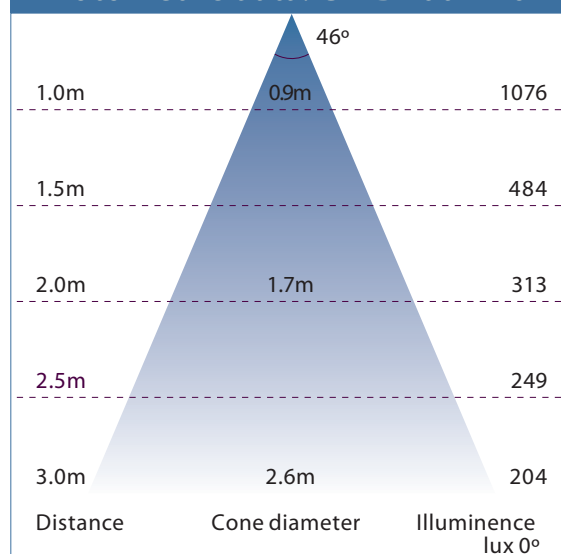
5 years warranty on luminaire, 2 years warranty on PSU



Photometric data: CLED100 – 46°



Photometric data: CLED200 – 46°



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SPECIFICATIONS

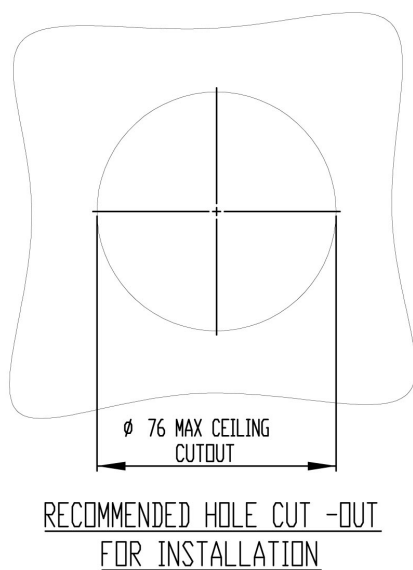
CLED100

Light Source: Cree
Colour Consistency: 1 step MacAdam Ellipse
Colour Rendering [CRI]: 86
Colour Temperature [K]: 2700/2938
Initial Lumens [lm]: 711
Initial Efficacy [lm/W]: 62
Luminaire Lumens [lm]: 637
Luminaire Efficacy [lm/W]: 56
Beam Angle: 46°
Lifetime: 70,000 hours (L70)
Power Consumption [W]: 11.4
Candela: 1250
Low glare reflector [UGI]: 18.5
Tilt: no
Hole cut-out: 76mm max
Standard Void Required: 85 mm
Unit height: 75 mm
Bezel diameter : 96 mm
Ingress protection [IP]: 44
Fire-rated: no (see GP-STA fire)
Interchangeable lenses & reflectors: no
Mains dimmable PSU: incl. in price

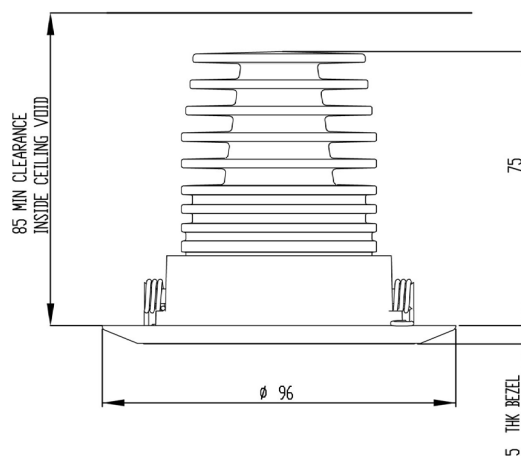
CLED200

Light Source: Cree
Colour Consistency: 1 step MacAdam Ellipse
Colour Rendering [CRI]: 86
Colour Temperature [K]: 2700/2938
Initial Lumens [lm]: 1002
Initial Efficacy [lm/W]: 72
Luminaire Lumens [lm]: 902
Luminaire Efficacy [lm/W]: 64
Beam Angle: 46°
Lifetime: 70,000 hours (L70)
Power Consumption [W]: 11.4
Candela: 1805
Low glare reflector [UGI]: 18.5
Tilt: no
Hole cut-out: 76mm max
Standard Void Required: 85 mm
Unit height: 75 mm
Bezel diameter : 96 mm
Ingress protection [IP]: 44
Fire-rated: no (see GP-STA fire)
Interchangeable lenses & reflectors: no
Mains dimmable PSU: incl. in price

Cut-out dimensions



Dimensions

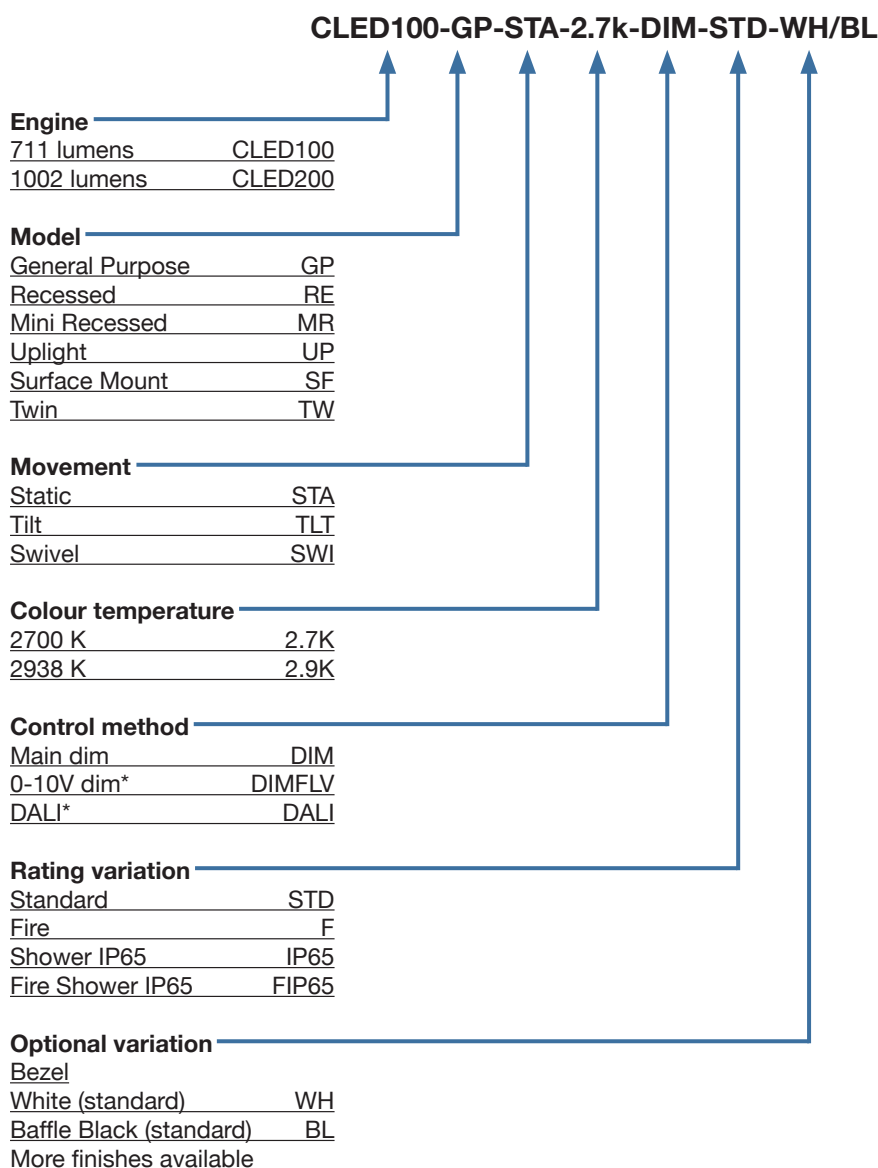


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ORDER CODES

CLED100-GP-STA-2.7k-DIM-STD
CLED100-GP-STA-2.7k-DIM-STD
CLED100-GP-STA-2.9k-DIM-STD
CLED100-GP-STA-2.9k-DIM-STD
CLED200-GP-STA-2.7k-DIM-STD
CLED200-GP-STA-2.7k-DIM-STD
CLED200-GP-STA-2.9k-DIM-STD
CLED200-GP-STA-2.9k-DIM-STD



* future product

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