CLED100 & CLED200 TW-SWI

Twin LED Lighting Fixture

The CLED100 and CLED200 TW-SWI is a pair of ultra-low luminaire for general purpose lighting.

These TWIN luminaires both tilt 30 degrees and rotate 360 degrees in situ. The TW-SWI sets the LED engines back behind 20mm black baffles. The baffles are powder coated with a low gloss finish to reduce glare.

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.
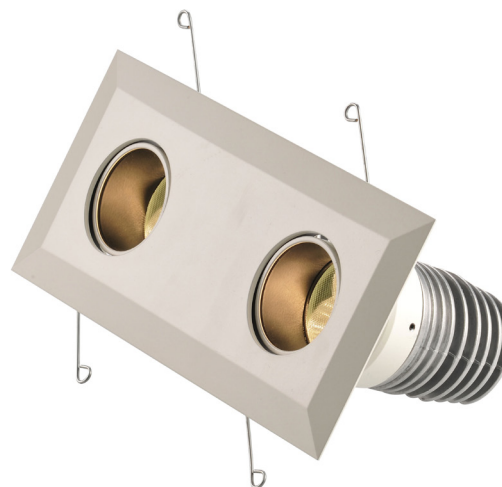
CRI (Colour Rendering Index)

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.
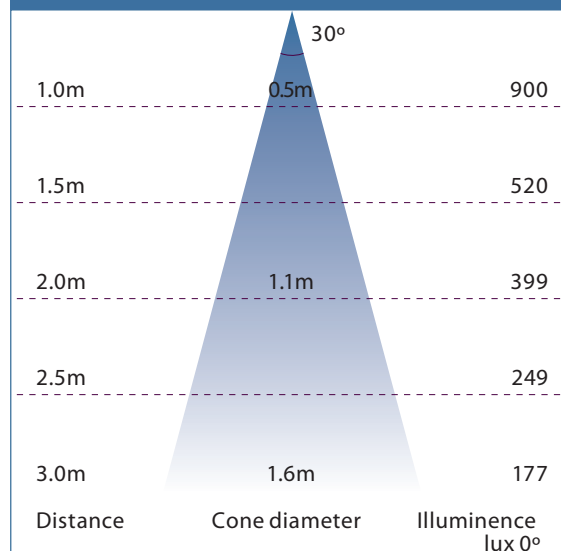
Thermal Management

Thermal management is important in CLED100/200. If the LEDs are above recomended 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.
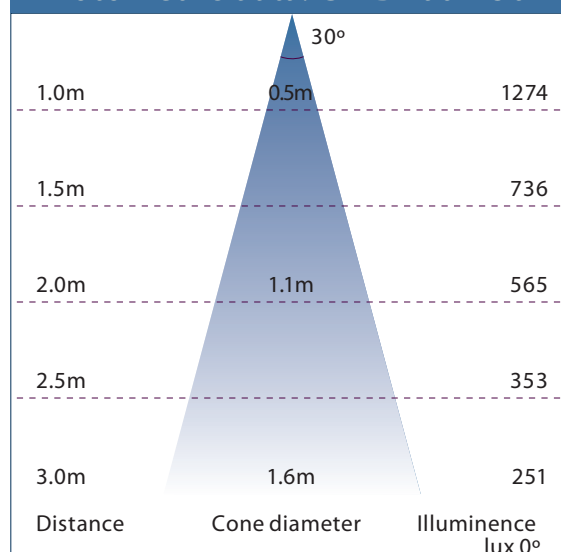
Lifespan and Warranty

70,000 hours lifespan
5 years warranty on luminaire, 2 years warranty on PSU

Photometric data: CLED100 – 30º

Distance	Cone diameter	Illuminence lux 0º
1.0m	0.5m	900
1.5m		520
2.0m	1.1m	399
2.5m		249
3.0m	1.6m	177

Photometric data: CLED200 – 30º

Distance	Cone diameter	Illuminence lux 0º
1.0m	0.5m	1274
1.5m		736
2.0m	1.1m	565
2.5m		353
3.0m	1.6m	251

CRESTRON

www.crestron.eu

Twin LED Lighting Fixture

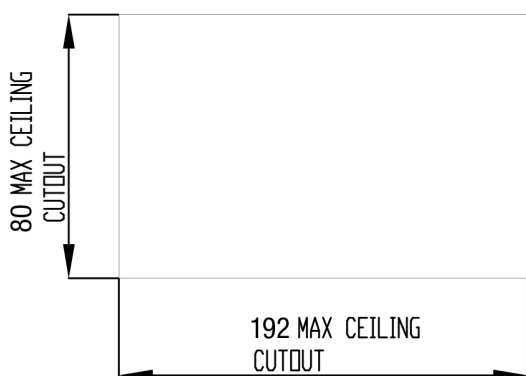### SPECIFICATIONS

CLED100

Light Source: Cree
Colour Consistancy: 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: 30°
Lifetime: 70,000 hours (L70)
Power Consumption [W]: 11.4
Candela: 2975
Low glare reflector [UGI]: 17.0
Tilt: yes - 360°
Hole cut-out: 192 mm x 80 mm
Standard Void Required: 118 mm
Unit height: 94 mm
Bezel diameter : 97 mm
Ingress protection [IP]: 44
Fire-rated: hood/boxing needed
Interchangeable lenses & reflectors: yes
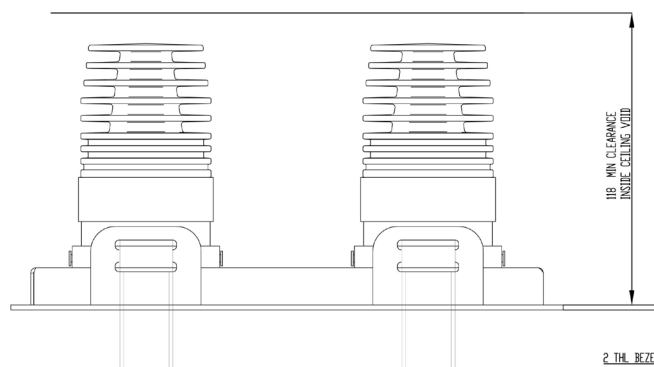**Mains dimmable PSU:** incl. in price

CLED200

Light Source: Cree
Colour Consistancy: 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: 30°
Lifetime: 70,000 hours (L70)
Power Consumption [W]: 11.4
Candela: 4220
Low glare reflector [UGI]: 17.0
Tilt: yes - 360°
Hole cut-out: 192 mm x 80 mm
Standard Void Required: 118 mm
Unit height: 94 mm
Bezel diameter : 97 mm
Ingress protection [IP]: 44
Fire-rated: hood/boxing needed
Interchangeable lenses & reflectors: yes
Mains dimmable PSU: incl. in price

Cut-out dimensions

80 MAX CEILING CUTOUT

192 MAX CEILING CUTOUT

Dimensions

118 MIN CLEARANCE INSIDE CEILING VOID

2 THK BEZEL

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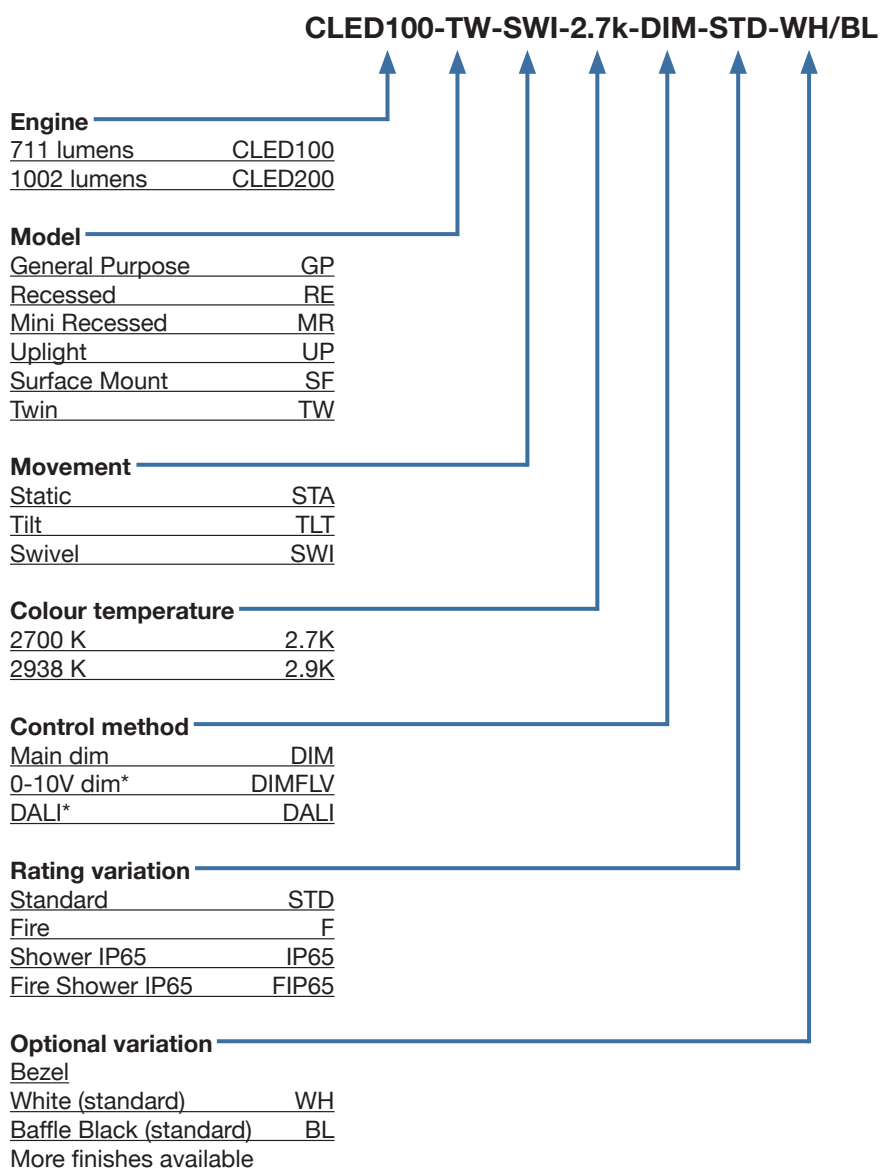
Twin LED Lighting Fixture

ORDER CODES

CLED100-TW-SWI-2.7k-DIM-STD
CLED100-TW-SWI-2.7k-DIM-STD
CLED100-TW-SWI-2.9k-DIM-STD
CLED100-TW-SWI-2.9k-DIM-STD
CLED200-TW-SWI-2.7k-DIM-STD
CLED200-TW-SWI-2.7k-DIM-STD
CLED200-TW-SWI-2.9k-DIM-STD
CLED200-TW-SWI-2.9k-DIM-STD

CLED100-TW-SWI-2.7k-DIM-STD-WH/BL

Engine
| 711 lumens | CLED100 |
| 1002 lumens | CLED200 |

Model
General Purpose	GP
Recessed	RE
Mini Recessed	MR
Uplight	UP
Surface Mount	SF
Twin	TW

Movement
Static	STA
Tilt	TLT
Swivel	SWI

Colour temperature
| 2700 K | 2.7K |
| 2938 K | 2.9K |

Control method
Main dim	DIM
0-10V dim*	DIMFLV
DALI*	DALI

Rating variation
Standard	STD
Fire	F
Shower IP65	IP65
Fire Shower IP65	FIP65

Optional variation
Bezel
| White (standard) | WH |
| Baffle Black (standard) | BL |
More finishes available

* future product