CLED100 & CLED200 MR-TLT

Mini Recessed Tilt LED Lighting Fixture

The CLED100 and CLED200 MR-TLT is a ultra-low glare luminaire for general purpose lighting.
This product uses the usual powerful CLED series light engines but has a smaller, minimalist 76mm bezel.
As a tilt downlight, the MR-TLT sets the LED engine back behind a 20mm black baffle which tilts 30 degrees. The baffle is 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.

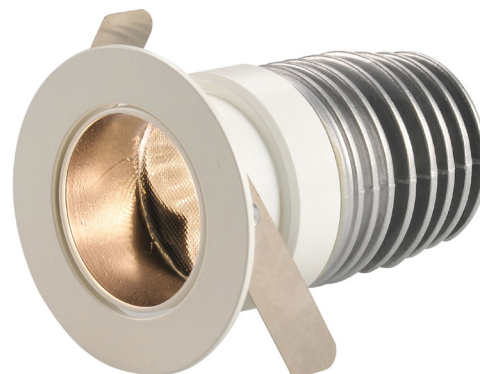**CRI (Colour Rendering Index)**
Crestron LED luminaires have a CRI of 86. This is exceptionally high. It means that Crestron luminaires make lit objects appear to have colours similar to the way they appear in natural daylight.
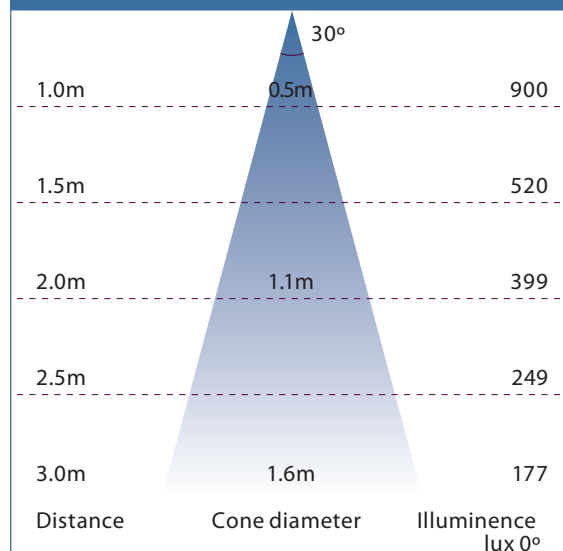
Thermal Management
Thermal management is important in CLED100/200. If the LEDs are above recomended temperatures they will produce less light and also deteriorate over time. In order for LEDs to last for at least 70,000 hours L70 it is important that the luminaire's thermal management keeps the LED to appropriate temperatures. The specially designed heat sink controls the operating temperature of the product helping to maintain reliability, lifespan and performance.
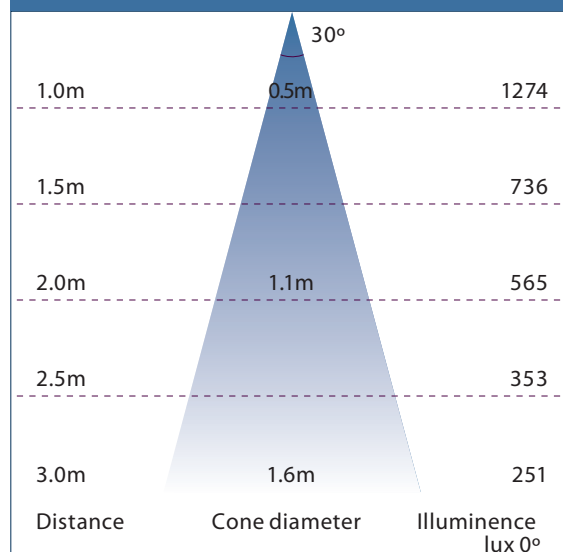
Lifespan and Warranty
70,000 hours lifespan
5 years warranty on luminaire, 2 years warranty on PSU

Photometric data: CLED100 – 30°

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

Photometric data: CLED200 – 30°

Distance	Cone diameter	Illuminence lux 0°
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
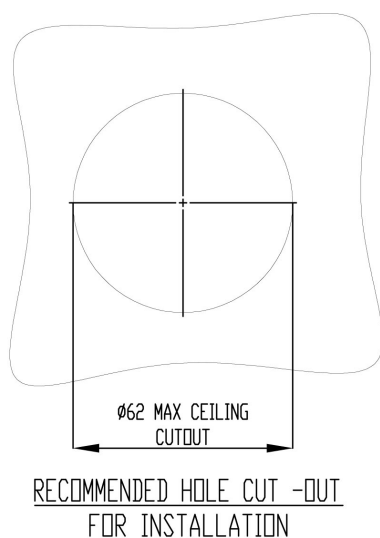
SPECIFICATIONS

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 - 30°
Hole cut-out: 62 mm
Standard Void Required: 105 mm
Unit height: 95 mm
Bezel diameter : 76 mm
Ingress protection [IP]: 44
Fire-rated: hood needed
Interchangeable lenses & reflectors: yes
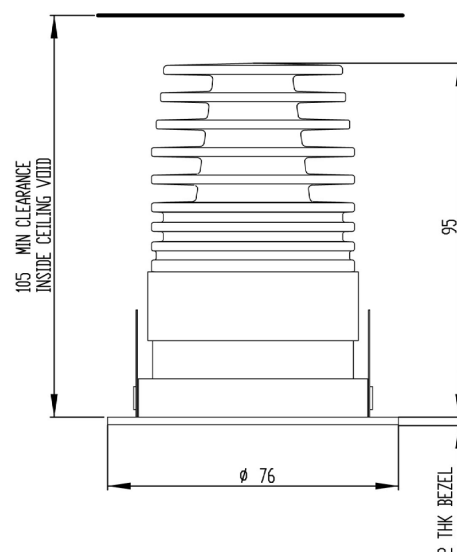**Mains dimmable PSU:** incl. in price

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 - 30°
Hole cut-out: 62 mm
Standard Void Required: 105 mm
Unit height: 95 mm
Bezel diameter : 76 mm
Ingress protection [IP]: 44
Fire-rated: hood needed
Interchangeable lenses & reflectors: yes
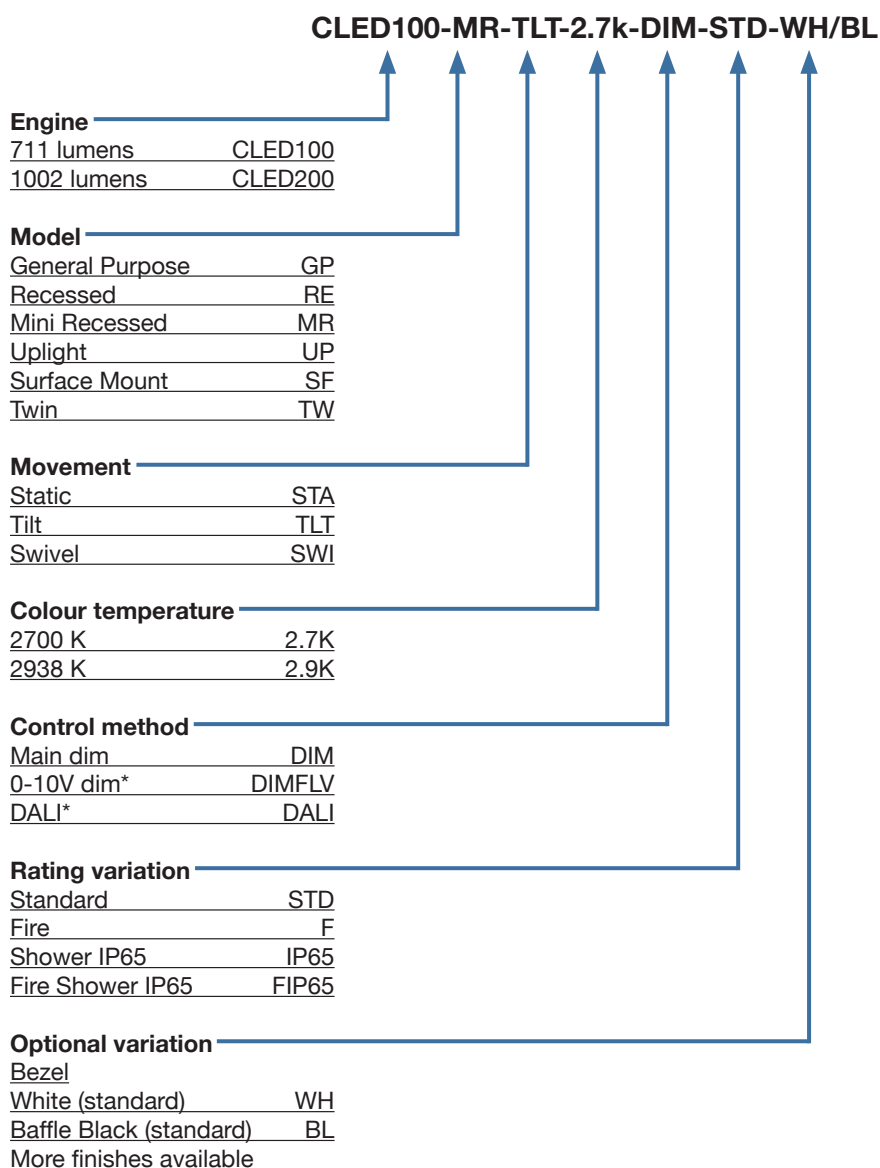**Mains dimmable PSU:** incl. in price

Cut-out dimensions

ø62 MAX CEILING CUTOUT

RECOMMENDED HOLE CUT -OUT
FOR INSTALLATION

Dimensions

105 MIN CLEARANCE INSIDE CEILING VOID

95

ø 76

2 THK BEZEL

ORDER CODES

CLED100-MR-TLT-2.7k-DIM-STD
CLED100-MR-TLT-2.7k-DIM-STD
CLED100-MR-TLT-2.9k-DIM-STD
CLED100-MR-TLT-2.9k-DIM-STD
CLED200-MR-TLT-2.7k-DIM-STD
CLED200-MR-TLT-2.7k-DIM-STD
CLED200-MR-TLT-2.9k-DIM-STD
CLED200-MR-TLT-2.9k-DIM-STD

CLED100-MR-TLT-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