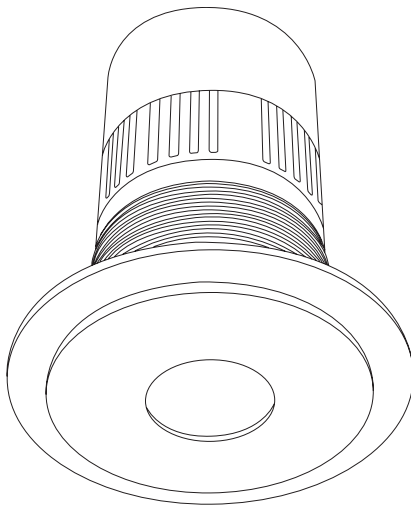
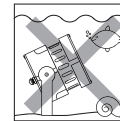


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SAFETY INFORMATION



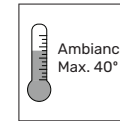
Make sure all connectors are connected properly



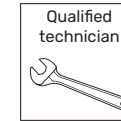
Use a source of AC power that complies to local electrical codes



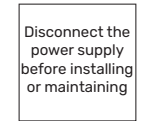
Block access below the work area when maintaining the unit



Don't modify or install genuine parts on this product

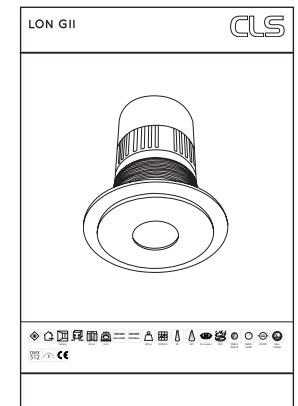
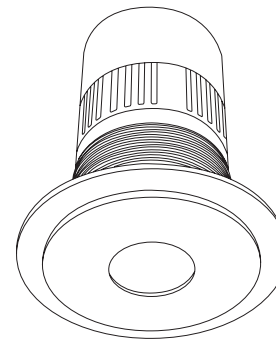


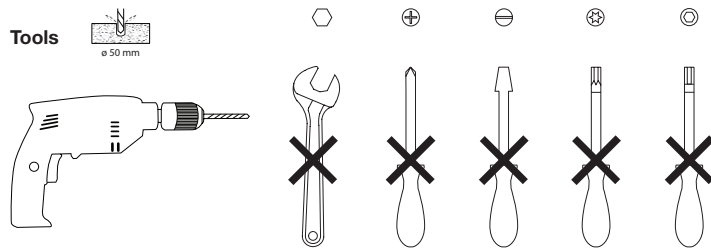
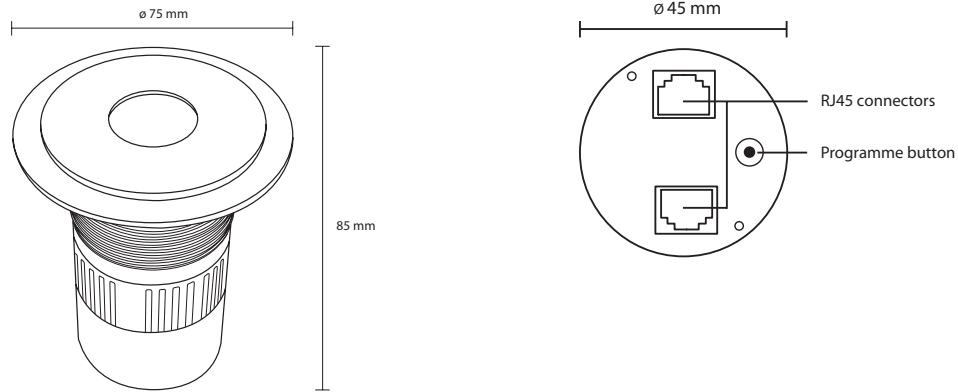
Don't install in a flammable or explosive area



Warning! Some surfaces can be hot

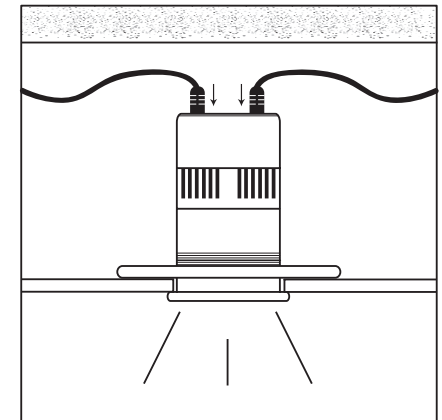
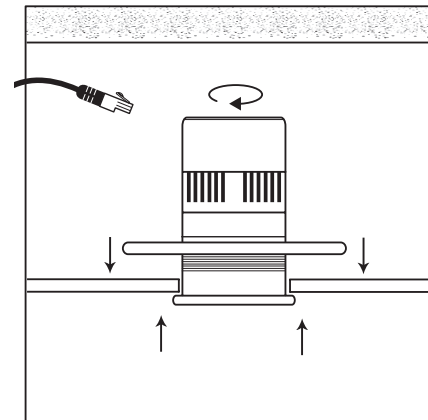
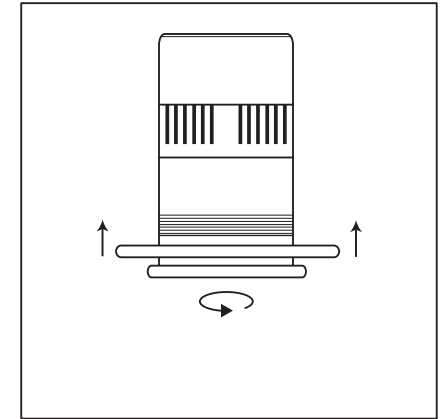
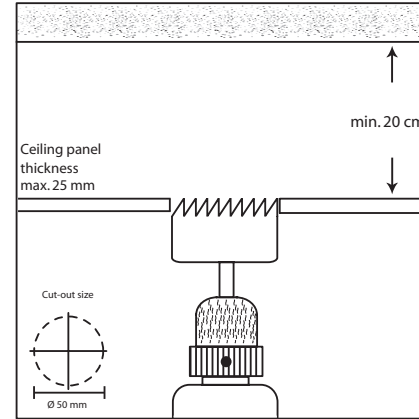
CONTENT

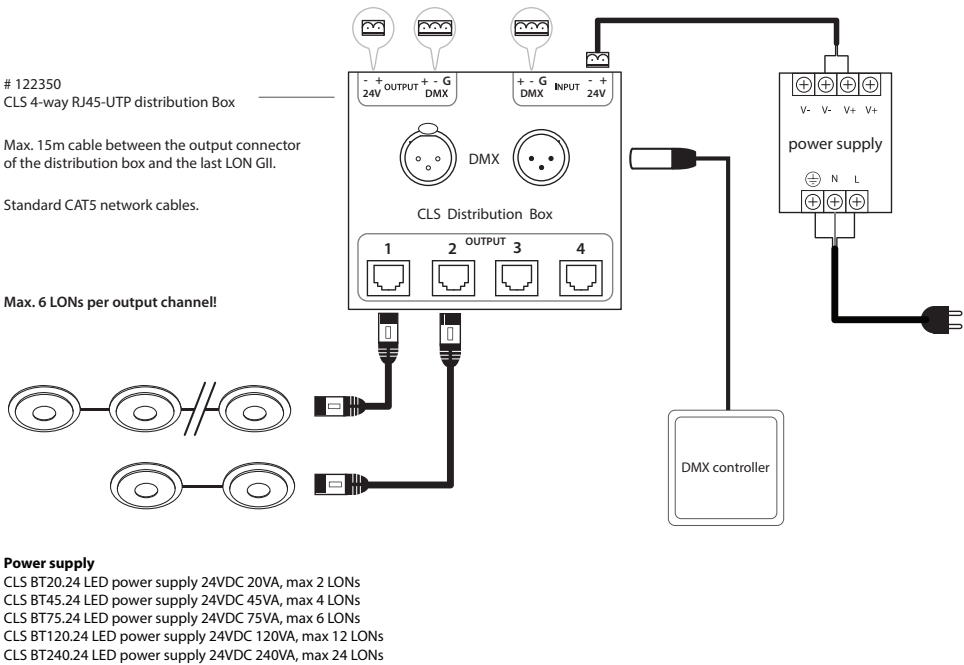




SPECIFICATIONS

LEDs:	4 x Luxeon Rebel
Colour changing:	RGBW & RGBA
Tunable White:	1800K-5000K
Lenses:	25°, optional 40°
Input voltage:	24 VDC
Power consumption:	Max. 10 Watt
Housing:	CNC aluminum black coated
IP value:	IP20
Measurements:	75 x 85 mm (øxh)
Measurements MR16 compatible:	50 x 85 mm (øxh)
Weight:	200 gr
Input connector:	RJ45
Output connector:	RJ45
Control signal:	DMX512
Operating ambient temperature:	-10 °C till +40 °C





DMX Channel (N = address of the LON GII)

DMX Channel (N = address of the LON GII)	Function
N	RED (0-100%)
N+1	GREEN (0-100%)
N+2	BLUE (0-100%)
N+3	WHITE (0-100%)
N+4	BRIGHTNESS (0-100%)

The CLS LON GII is very easy to address. All you need is a DMX controller.

ATTENTION! THE DMX CONTROLLER MUST BE ABLE TO TELL YOU WHAT DATA IS TRANSMITTED.

The address of the LON GII has a range of 1 - 507. The address is determined by the first two channels of the DMX. The value of the DMX channel will be the address of the LON GII. With DMX channel 1 an address from 1 to 255 can be programmed. If an address beyond 255 is required then use DMX channel 2 [1-252], the address will be 255 plus the value of DMX channel 2. To program the address into the LON GII simply push the button on the bottom of the LON GII for one second. When the button is pushed, the light of the LON GII will turn RED, hold the button until the light turns GREEN. This will indicate that the LON GII has stored the address. The addressing can be done in a completed installation at any time. Be aware that the LON GII must be powered and connected to a DMX control device!

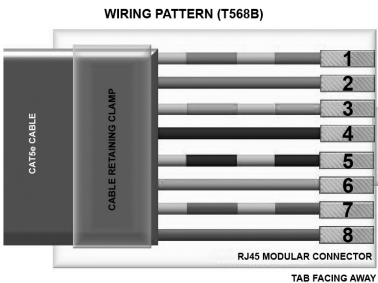
Examples:

DMX CH1 [value 123]=	Address of the LON GII will be 123.
DMX CH1 [value 255]=	Address of the LON GII will be 255.
DMX CH2 [value 23]=	Address of the LON GII will be 255 + 23 = 278.
DMX CH2 [value 252]=	Address of the LON GII will be 255 + 252 = 507.

Warm white option

The LON GII comes with another unique feature. When the "Warm white option" is enabled the LON GII will become warm white when powered and no DMX is present. When DMX is connected, the LON GII will be controlled via DMX. This way when the LON GII is powered and the DMX controller is off, there will be warm white light. This option can be enabled the same way the address is programmed. The address of the LON GII will not be changed! To enable the warm white option follow the next steps:

- Set a value between 128 and 255 on DMX channel 3.
- Push and hold the button until it becomes green.



PIN	COLOUR	FUNCTION
1	Orange/white	- (PWR)
2	Orange	+ (PWR) Check manual for voltage
3	Green/White	- (PWR)
4	Blue	Data - (DMX)
5	Blue/White	Data + (DMX)
6	Green	- (PWR)
7	Brown/White	+ (PWR) Check manual for voltage
8	Brown	- (PWR)

ACCESSORIES

Accessories

122005	CLS LON/MR16 optional fitting piece incl. 40° lens
122006	CLS LON/MR16 optional fitting piece incl. 25° lens
122400	CLS LON/MR16 round ceiling unit alu-brushed
122405	CLS LON/MR16 square ceiling unit alu-brushed
122200	CLS D-ta DMX tester/addressing unit)
122280	CLS LON optional spot lens
122285	CLS LON 25° lens, standard on LON GII, optional on LON
122290	CLS LON 40° lens, standard on LON, optional on LON GII
122295	CLS LON opal dot cover, not usable for MR16 version
122350	CLS LON way RJ45-UTP distribution box for max. 24 LON
706667	CLS CAT5 network cable with 2 x RJ45 connectors grey 2mtr
706668	CLS CAT5 network cable with 2 x RJ45 connectors grey 5mtr
706669	CLS CAT5 network cable with 2 x RJ45 connectors grey 10mtr
706672	CLS CAT5 network cable with 2 x RJ45 connectors grey 20mtr
706995	CLS BT20.24 LED power supply 24VDC 20VA 85-264VAC, max 2 LON GIIIs
707011	CLS BT45.24 LED power supply 24VDC 45VA 85-264VAC, max 4 LON GIIIs
707012	CLS BT75.24 LED power supply 24VDC 75VA 85-264VAC, max 6 LON GIIIs
707013	CLS BT120.24 LED power supply 24VDC 120VA 85-264VAC, max 12 LON GIIIs
707014	CLS BT240.24 LED power supply 24VDC 240VA 85-264VAC, max 24 LON GIIIs
707028	CLS Zense DMX controller + built in 4 amp RGB dimmer

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LIST OF SYMBOLS

	Protection class One, two or three		Retail & Food LED modules Clothing, furniture, kitchens, jewellery, shoes, bread, meat, fish and vegetables & fruit.
	Application area Indoor or outdoor		Colour Available colours: Amber, blue, red or green
	Application area Floor, wall or ceiling		White colour temperature In different Kelvin values: Cold white, neutral white, warm white or extra warm white
	Swivel Fixture is horizontally rotatable, indicated in degrees		Curve Minimal bending curve in centimeters
	Swivel Fixture is vertically rotatable, indicated in degrees		Cutting length Indicated by the cutting marks
	Multiple connection Daisychain connectivity		LED pitch Pitch between the LEDs in millimeters
	Installation depth In centimeters		Power supply In VDC, VAC or milliAmpere
	Installation size In centimeters		Power consumption In VA or Watt
	Cable length Maximum cable attached to the fixture in centimeters		Dimmable 1-10 Volt, Phase, individual, DMX dimmable or DALI
	Driver Inclusive or exclusive Internal or external		PWM dimming Traditional PWM dimming, DMX analog or DMX Hybrid dim
	Weight In grams/kilograms		Bluetooth controlled By Casambi
	Pressure Maximum pressure on the fixture in kg/cm²		Magne dimming Accurate dimming from 100 - 1% by using a magnet
	Lifespan Of the light source in hours		Dynamic Control Dynamic Power Control or Dynamic Temperature Control
	Lenses Available lenses, indicated in degrees		DMX input Fixture works on DMX512 protocol or Wireless DMX
	Performance Zoom Adjustable beam angle		Combined product Compose your own fixture
	LEDs Kind of LED used in the fixture		Warranty 3 or 5 years warranty on the product
	Plug & play Easy connection using the SmartConnect system		Conformité Européenne CE marking for free marketability of industrial goods within the EU
	IP value Ingress Protection classifies the degrees of protection provided against the intrusion of the product		Energy label
	Colour changing RGB, RGB-W, RGB-A, AWB or Tunable White		Lightsource Equipped with a CLS, Citizen or a Xicato LED module