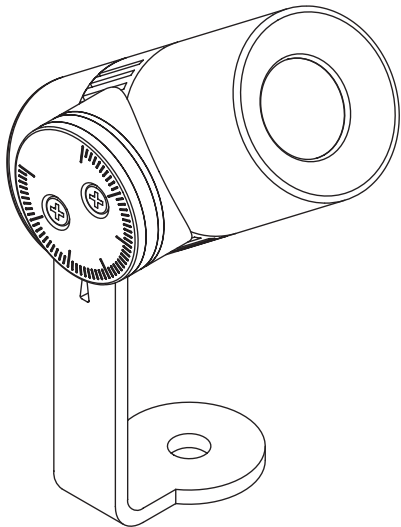
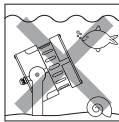



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SAFETY INFORMATION



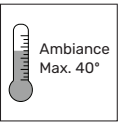
Do not touch the LED surface




Do not use open flame



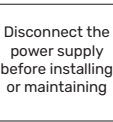
Do not stare into the LED



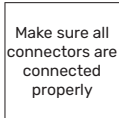
Ambiance  
Max. 40°



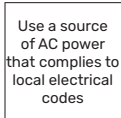
Qualified technician



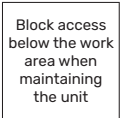
Disconnect the power supply before installing or maintaining




Make sure all connectors are connected properly




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



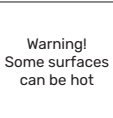
Block access below the work area when maintaining the unit



Don't modify or install genuine parts on this product

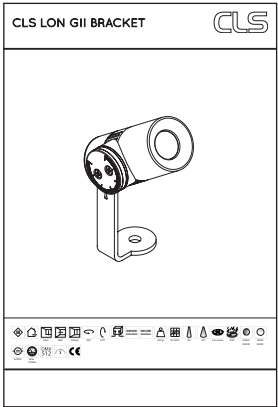
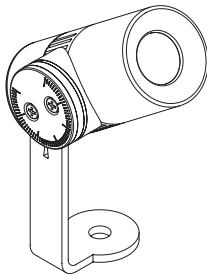



















Don't install in a flammable or explosive area








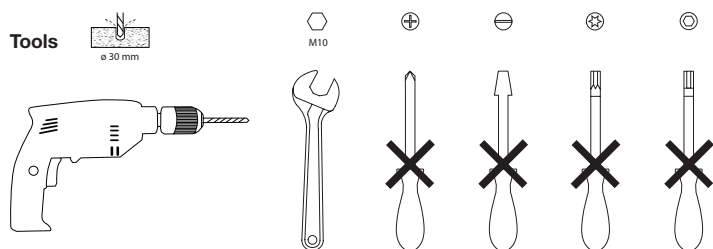
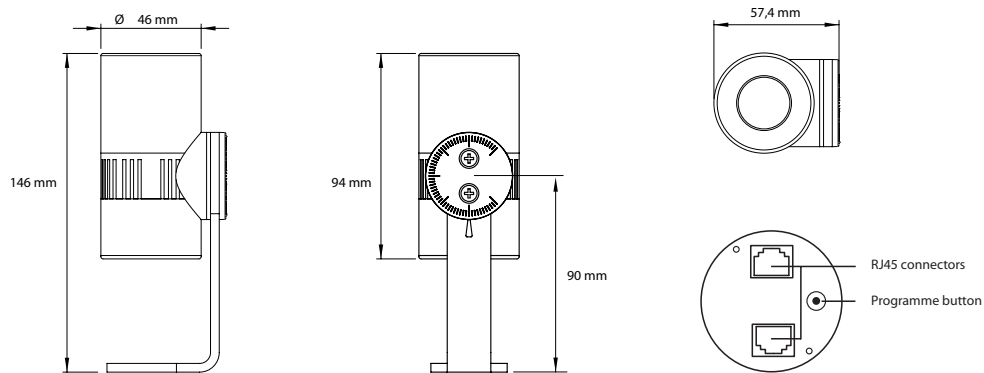
Warning! Some surfaces can be hot

CONTENT



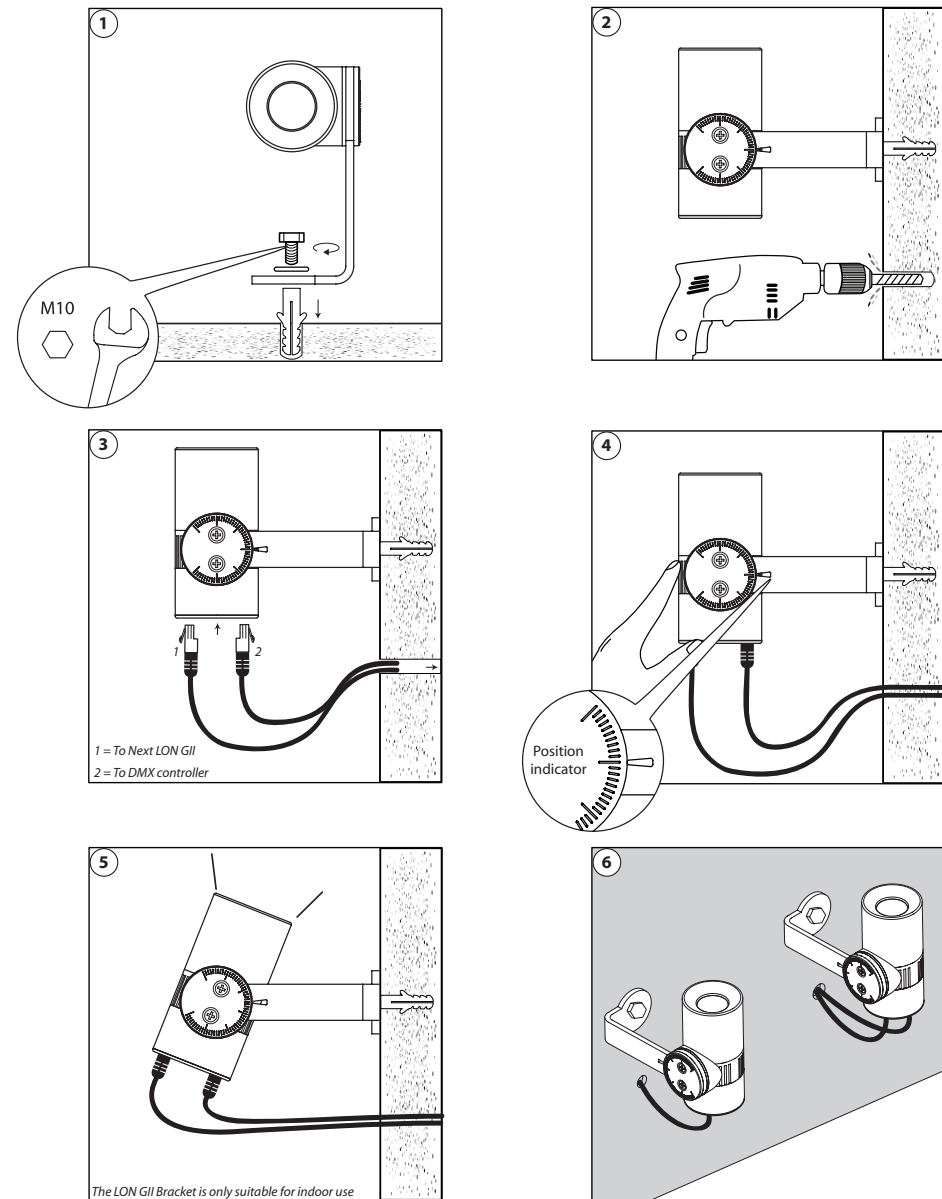


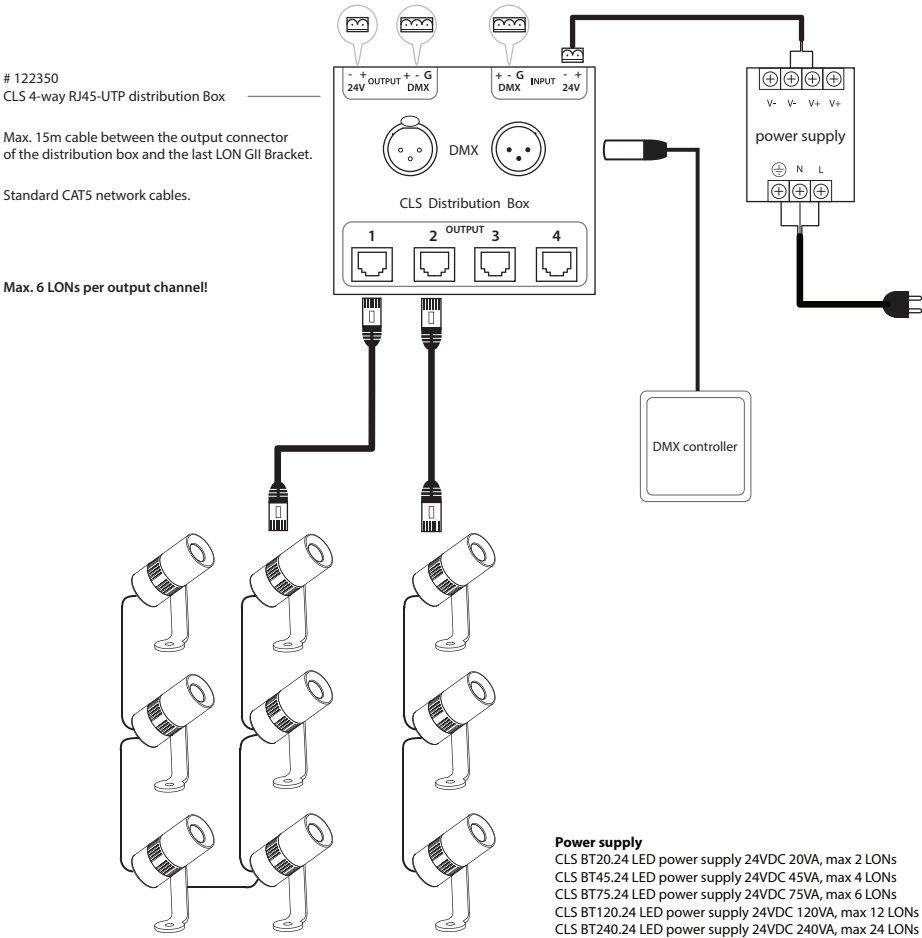




## SPECIFICATIONS

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:	Massive CNC aluminum
IP value:	IP20
Measurements:	54,7 x 146 mm (bxh)
Weight:	250 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)	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!

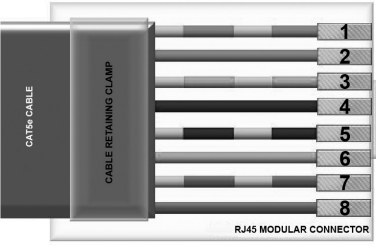
**Examples:**

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.

WIRING PATTERN (T568B)		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

122285	CLS LON 25° lens
122290	CLS LON 40° lens
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 GIs
707011	CLS BT45.24 LED power supply 24VDC 45VA 85-264VAC, max 4 LON GIs
707012	CLS BT75.24 LED power supply 24VDC 75VA 85-264VAC, max 6 LON GIs
707013	CLS BT120.24 LED power supply 24VDC 120VA 85-264VAC, max 12 LON GIs
707014	CLS BT240.24 LED power supply 24VDC 240VA 85-264VAC, max 24 LON GIs
707028	CLS Zense DMX controller + built in 4 amp RGB dimmer

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# LIST OF SYMBOLS



**Protection class**  
One, two or three



**Application area**  
Indoor or outdoor



**Application area**  
Floor, wall or ceiling



**Swivel**  
Fixture is horizontally rotatable, indicated in degrees



**Swivel**  
Fixture is vertically rotatable, indicated in degrees



**Multiple connection**  
Daisychain connectivity



**Installation depth**  
In centimeters



**Installation size**  
In centimeters



**Cable length**  
Maximum cable attached to the fixture in centimeters



**Driver**  
Inclusive or exclusive Internal or external



**Weight**  
In grams/kilograms



**Pressure**  
Maximum pressure on the fixture in kg/cm²



**Lifespan**  
Of the light source in hours



**Lenses**  
Available lenses, indicated in degrees



**Performance Zoom**  
Adjustable beam angle



**LEDs**  
Kind of LED used in the fixture



**Plug & play**  
Easy connection using the SmartConnect system



**IP value**  
Ingress Protection classifies the degrees of protection provided against the intrusion of the product



**Colour changing**  
RGB, RGB-W, RGB-A, AWB or Tunable White



**Retail & Food LED modules**  
Clothing, furniture, kitchens, jewellery, shoes, bread, meat, fish and vegetables & fruit.



**Colour**  
Available colours:  
Amber, blue, red or green



**White colour temperature**  
In different Kelvin values:  
Cold white, neutral white, warm white or extra warm white



**Curve**  
Minimal bending curve in centimeters



**Cutting length**  
Indicated by the cutting marks



**LED pitch**  
Pitch between the LEDs in millimeters



**Power supply**  
In VDC, VAC or milliAmpere



**Power consumption**  
In VA or Watt



**Dimmable**  
1-10 Volt, Phase, individual, DMX dimmable or DALI



**PWM dimming**  
Traditional PWM dimming, DMX analog or DMX Hybrid dim



**Bluetooth controlled**  
By Casambi



**Magne dimming**  
Accurate dimming from 100 - 1% by using a magnet



**Dynamic Control**  
Dynamic Power Control or Dynamic Temperature Control



**DMX input**  
Fixture works on DMX512 protocol or Wireless DMX



**Combined product**  
Compose your own fixture



**Warranty**  
3 or 5 years warranty on the product



**Conformité Européenne**  
CE marking for free marketability of industrial goods within the EU



**Energy label**



**Lightsource**  
Equipped with a CLS, Citizen or a Xicato LED module