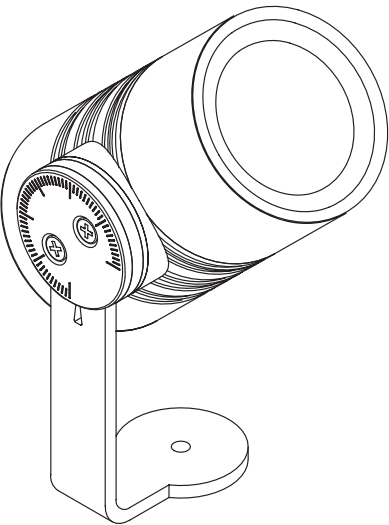


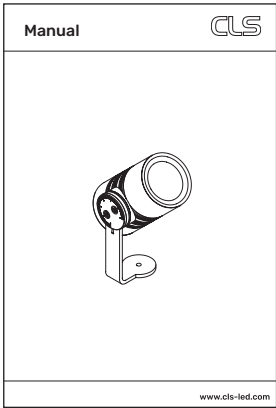
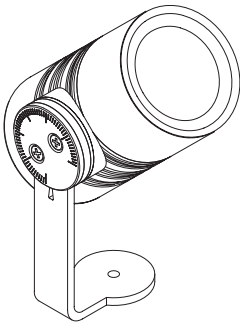


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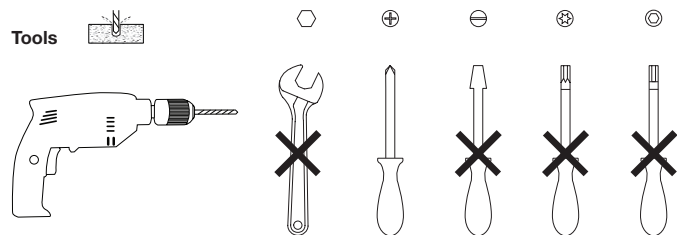
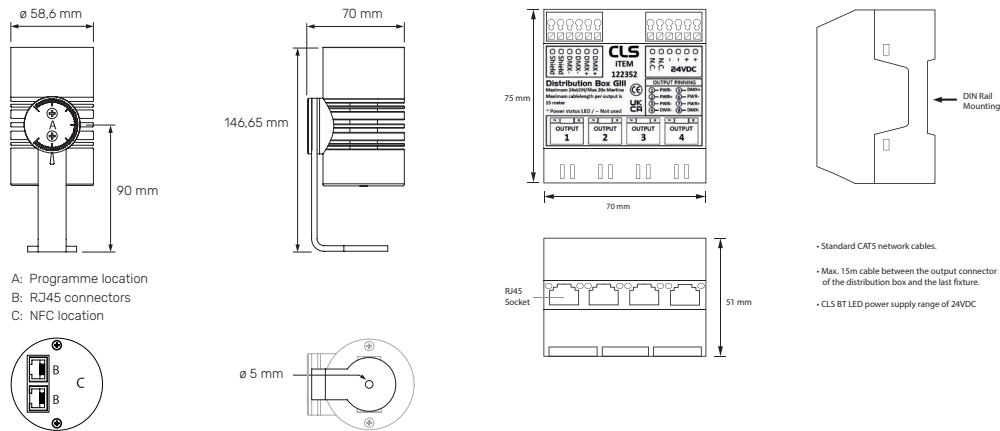


SAFETY INFORMATION

CONTENT



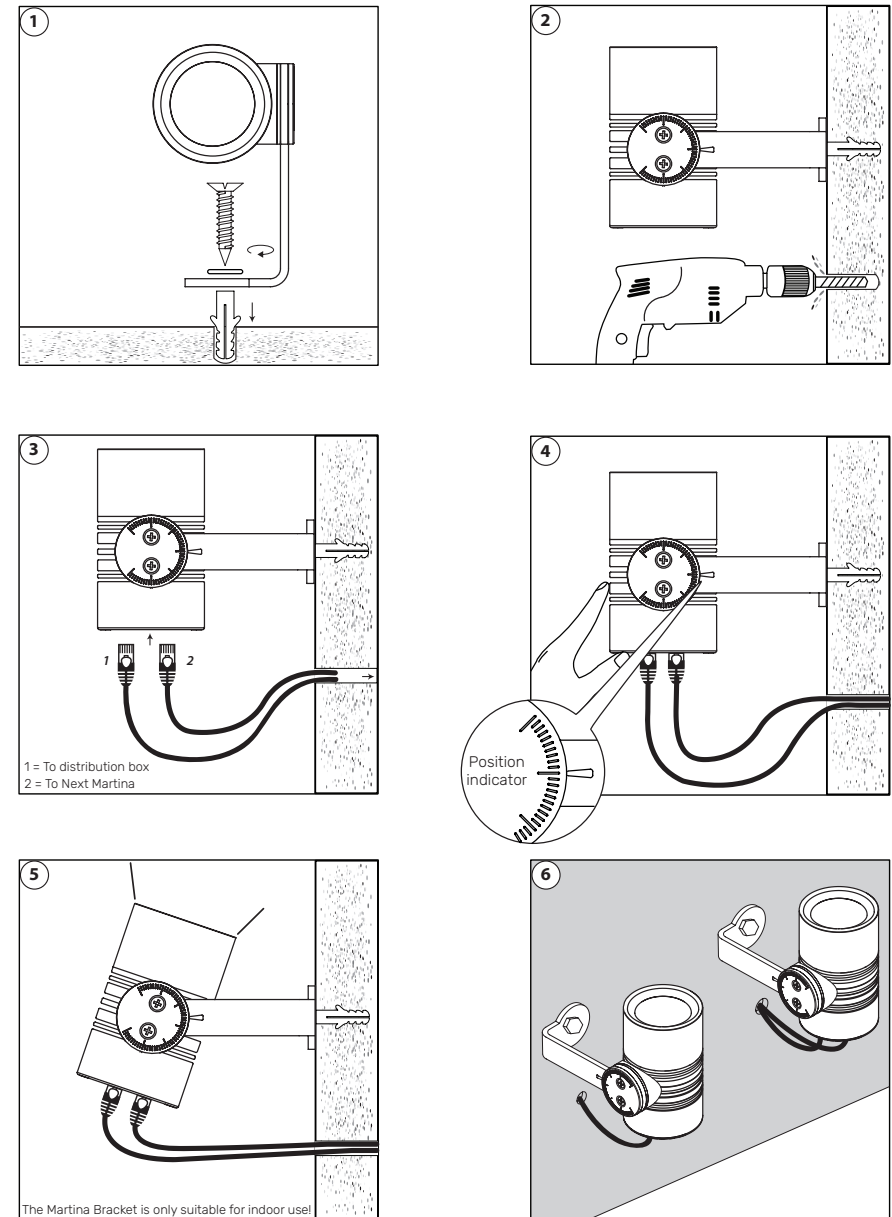
TECHNICAL



SPECIFICATIONS

LEDs:	4 x High Power LED
Colour changing:	RGBW or RGBA
Tunable White:	2700K-5700K or 1800K-4000K
Lenses:	10°, 24°, 31°, 13x40° or 60° diffused
Input voltage:	24 VDC
Power consumption:	Max. 10 Watt
Housing:	Massive CNC aluminum Black or white coated
IP value:	IP20
Measurements:	70 x 146,6 mm (wxh)
Weight:	420 gr
Input connector:	RJ45
Output connector:	RJ45
Control signal:	DMX512
Operating ambient temperature:	-10 °C till +40 °C

INSTALL EXAMPLE

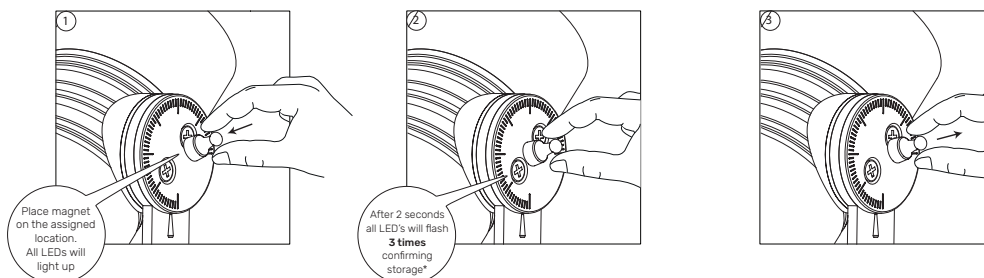


PROGRAMMING

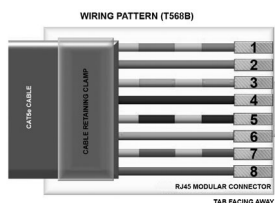
All settings can be configured via DMX. Settings can be configured at once or separately. When one or a couple settings needs to be changed just leave all other setting values zero. This keeps those settings unchanged. Please check the table for more information.

Always use a DMX controller with digital interface. If not available, you can purchase an universal DMX addresser unit.

First make sure to set the DATA on the DMX controller. To program the setting into the LED fixture follow the next steps.



* If all LEDs flash **10 times**, something went wrong. Please try again. If the problem continues to occur, please contact your local CLS sales distributor.



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)

PROGRAMMING TABLE

PROGRAMMING TABLE				
DMX	Function	Data	Parameters	Description
CH1	Set address 001 to 255	0 1...255	0 = no change * DMX address = 1...255	Use this DMX channel to set address from 001 to 255. The configured DMX address is called "n"
CH2	Set address 256 to 508	0 1...255	no change DMX address = 256...508	Use this DMX channel to set address from 256 to 508. The configured DMX address is called "n"
CH3	Static behavior	0 1 2 3	no change last DMX value * output off load static values	If no DMX is present the fixture will respond like set in this function.
CH4	Soft dim	0 1 2 3-250	no change off * dynamic fixed interpolation delay	When dynamic softdim is activated an extra DMX channel behind the colours and/or Master controls the soft dim reaction. If fixed no extra DMX channel is used.
CH5	Master control	0 1 2 3	no change no master used * master is first channel master is last channel	If master is first channel is selected the channel will be DMX channel "n". If master is last channel is selected the channel will be "n+x" (*x is calculated in the output patch).
CH6	Output 1 patch	0 1 2 3 4	no change DMX channel n DMX channel n+1 DMX channel n+2 DMX channel n+3	Each output channel can be patched to respond to the desired DMX channel. This enables the user to mix up the colours according to the controller that is used.
CH7	Output 2 patch	0 1 2 3 4	no change DMX channel n DMX channel n+1 DMX channel n+2 DMX channel n+3	Example: all outputs are patched as 1 All outputs will be controlled by DMX channel "n". If master is used total DMX channels will be 2 otherwise it uses 1 channel (*x = 1).
CH8	Output 3 patch	0 1 2 3 4	no change DMX channel n DMX channel n+1 DMX channel n+2 DMX channel n+3	Example: output 1&2 are patched as 1 and 3&4 are patched as 2 Output 1&2 will be controlled by DMX channel "n". Output 3&4 will be controlled by DMX channel "n+1".
CH9	Output 4 patch	0 1 2 3 4	no change DMX channel n DMX channel n+1 DMX channel n+2 DMX channel n+3	If master is used total DMX channels will be 3 otherwise it uses 2 channels (*x = 2).
CH10	Static output 1	0 1 2...255	no change output off intensity 2...255 *(255)	Each output channel can be set to a static intensity.
CH11	Static output 2	0 1 2...255	no change output off intensity 2...255 *(255)	If no DMX is present and Static behavior is set to "load static values". The outputs will be set to the configured intensity values.
CH12	Static output 3	0 1 2...255	no change output off intensity 2...255 *(255)	
CH13	Static output 4	0 1 2...255	no change output off intensity 2...255 *(255)	
CH14	Load default settings	0 1	no change load Factory settings	This function resets all settings to the Factory setting.
CH15	Input Resolution setting	0 1 2	no change 8 bit * 16 bit	In 16 bit mode 2 channels are used per colour. First channel is rough channel, second channel fine. 16 bit mode is only available in DRIVE mode 2.
CH16	Drive mode setting	0 1 2 3 4 5	no change compatible with version < 2020 PWM frequency 0.7kHz * PWM frequency 1.4kHz PWM frequency 2.8kHz PWM frequency 5.6kHz	You can set the frequency of the PWM for best compatibility with Camera Systems. However, the highest resolution of the dimming curve will be at the lowest frequency. Option 1 can be used to be compatible with older installation and new fixtures.

* Default setting

LED colour	Number of DMX channels needed			
	1	2	3	4
Single colour	x			
Tunable White		✓		
ColourFlow				✓

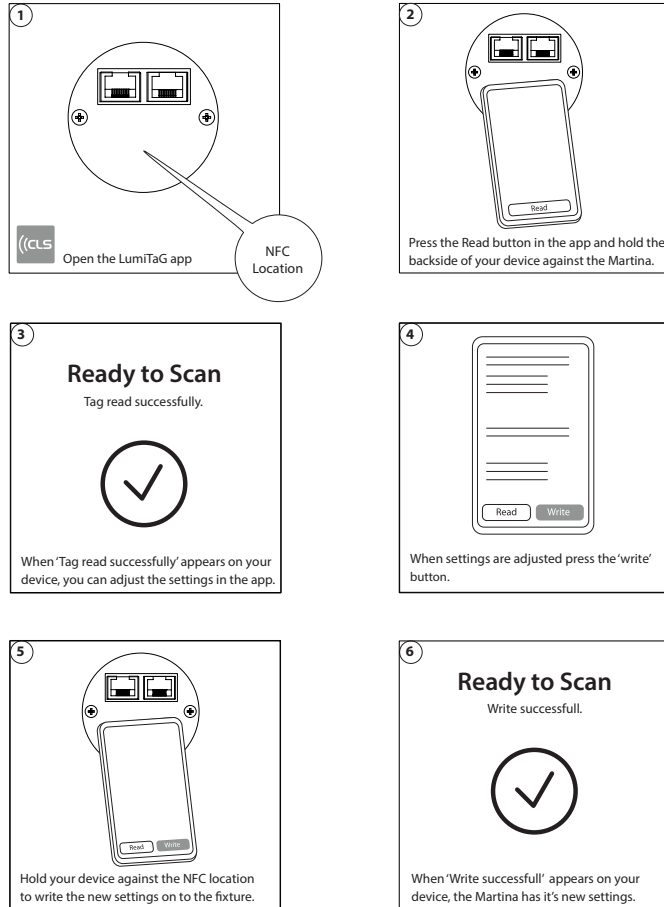
NFC PROGRAMMING

ONLY SUITABLE FOR DMX AND W-DMX

All settings can be configured via NFC. Settings can be configured via the CLS LumiTaG App. First make sure to install the LumiTaG app on your smartphone and the NFC function is active. Your phone also needs Android version 5.0 and higher or iOS version 16.6 and higher.

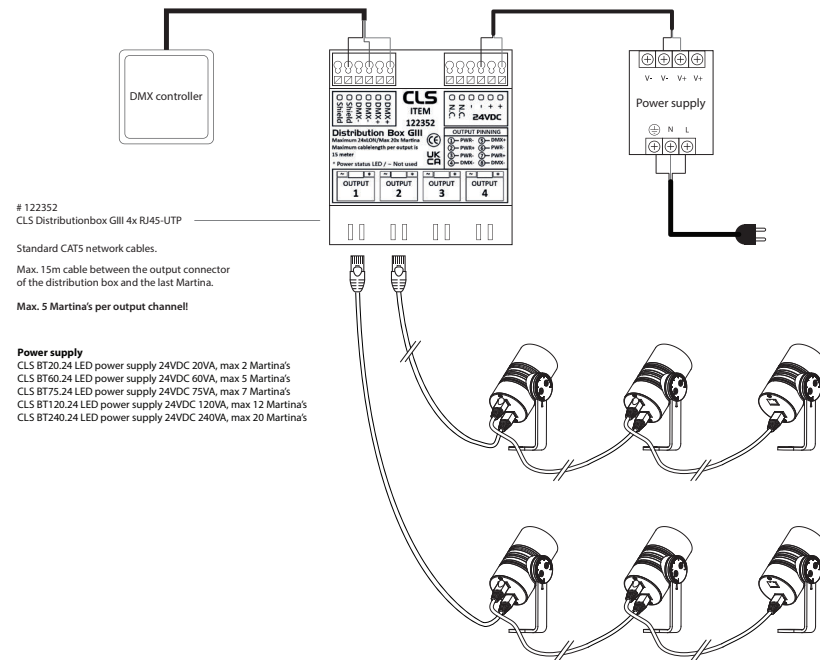
Note: Check where the NFC antenna is located on the back of your phone. This varies per phone brand.

To program the settings into the LED fixture, follow the next steps. Fixture can be programmed with the Power On or Off, and a data/Wifi connection is not needed.



Want to see the video of how to use the LumiTaG app? Click [here](#)

WIRING DIAGRAM



ACCESSORIES

Accessories

- Y106301-N CLS Martina 10° lens
- Y106301-M CLS Martina 24° lens
- Y106301-W CLS Martina 31° lens
- Y106301-E CLS Martina 13 x 40° lens
- 122352 CLS Distribution box GIII RJ45-UTP
- 706667 CLS CAT5 network cable with 2 x RJ45 connectors grey 2 mtr
- 706668 CLS CAT5 network cable with 2 x RJ45 connectors grey 5 mtr
- 706669 CLS CAT5 network cable with 2 x RJ45 connectors grey 10 mtr
- 706672 CLS CAT5 network cable with 2 x RJ45 connectors grey 20 mtr
- 706995 CLS BT20.24 LED power supply 24VDC 20VA 85-264VAC, max 2 Martina
- 707016 CLS BT60.24 LED power supply 24VDC 60VA 85-264VAC, max 5 Martina's
- 707012 CLS BT75.24 LED power supply 24VDC 75VA 85-264VAC, max 6 Martina's
- 707013 CLS BT120.24 LED power supply 24VDC 120VA 85-264VAC, max 12 Martina's
- 707014 CLS BT240.24 LED power supply 24VDC 240VA 85-264VAC, max 20 Martina's

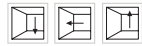
LIST OF SYMBOLS



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



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 or Casambi in combination with Local Dim in a track adapter.



Magneo 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, Wireless DMX or RDM



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



Lightsources
Equipped with a CLS, Bridgelux or a Xicato LED module

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