CLS MARTINA BRACKET

Manual   V1.0 - February 2018

INDEX

SAFETY INFORMATION

		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

58123-B

Floor   Wall   Ceiling   360º   270º   DRIVER EXCLUDED   DRIVER INTERNAL   420 gr   50.000 h   10º   24º   31º   13 x 40º   4 x Luxeon Z   IP20   RGBW
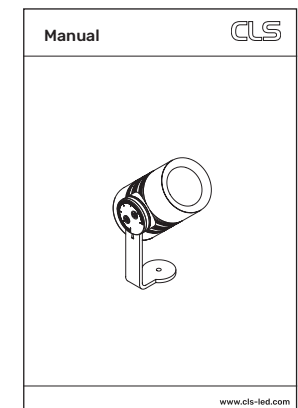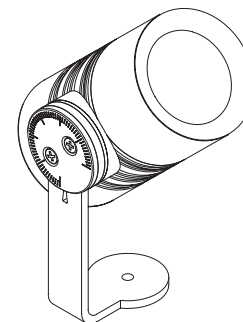
RGBA   2700K-5000K   Amber-4000K   24 VDC   Max. 10 Watt   DMX 512   YEARS WARRANTY 3   CE

Manual

www.cls-led.com

ø 58,6 mm

70 mm

146,65 mm

90 mm
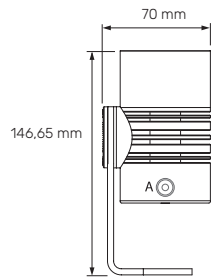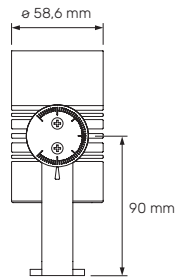
A: Programme
    location mark
B: RJ45 connectors

A

B

B
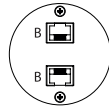
Tools
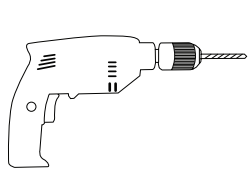
SPECIFICATIONS

LEDs:	4 x Luxeon Z
Colour changing:	RGBW or RGBA
Tunable White:	2700K–5000K or Amber–4000K
Lenses:	10°, 24°, 31° & 13 x 40°
Input voltage:	24 VDC
Power consumption:	Max. 10 Watt
Housing:	Massive CNC aluminum
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

1

2

3

1
2

1 = To Next Martina
2 = To DMX controller

4

Position
indicator

5

The Martina Bracket is only suitable for indoor use!

6
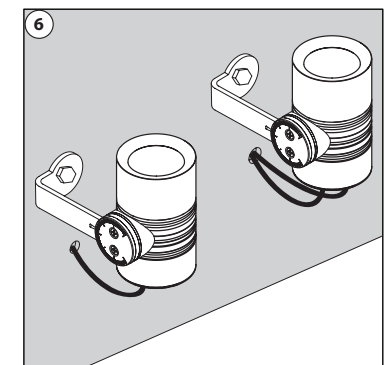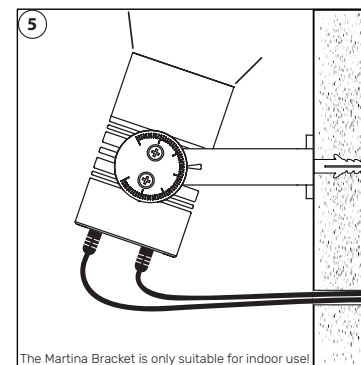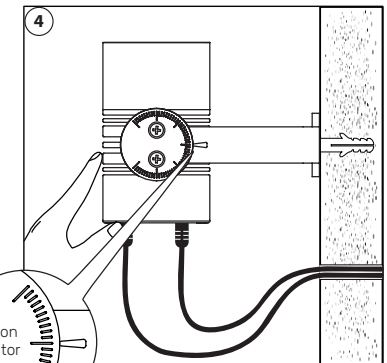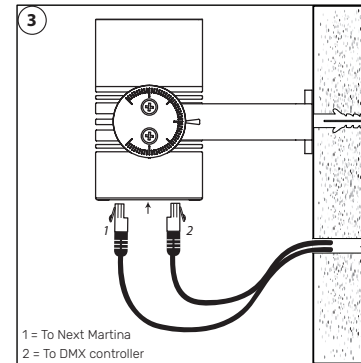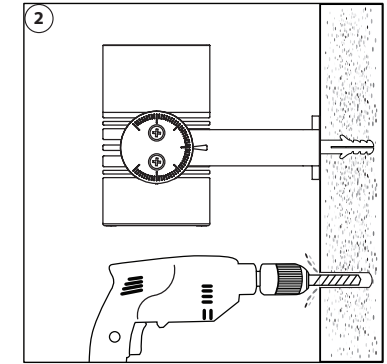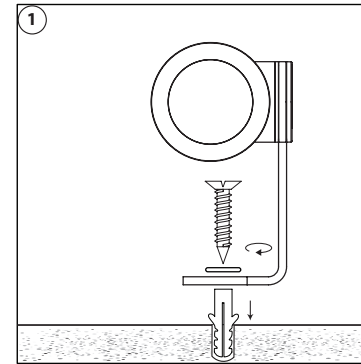
All settings can be configured via DMX. Settings can be configured at once or separately. When one or a couple settings needs to be changed just leave all other setting values zero. This keeps those settings unchanged. Please check the table for more information.

Always use a DMX controller with digital interface. If not available, you can purchase the CLS D-ta DMX addresser unit (#122200).

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

① Place magnet on the location mark. All LEDs will light up

② After 2 seconds all LED's will flash **3 times** confirming storage*

③

* 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.

FACTORY SETTING TABLE

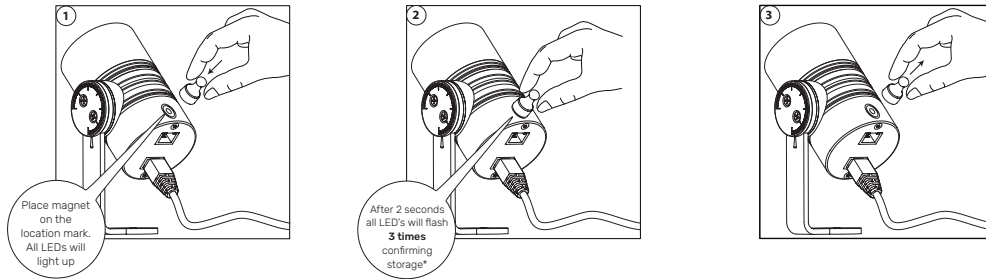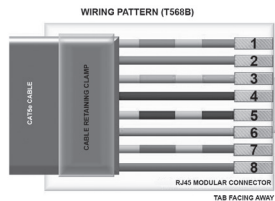| FACTORY SETTING TABLE													
Row #	Fixture type	Address	Static behavior	Soft dim	Master control	Output 1 patch	Output 2 patch	Output 3 patch	Output 4 patch	Static output 1	Static output 2	Static output 3	Static output 4
1	RGBW	1	1	Off	Off	1 (R)	2 (G)	3 (B)	4 (W)	255	255	255	255
2	RGBA	1	1	Off	Off	1 (R)	2 (G)	3 (B)	4 (A)	255	255	255	255
3	AWB	1	1	Off	Off	3 (B)	2 (W)	1 (A)	2 (W)	255	255	255	255
4	1800-3000K	1	1	Off	Off	1 (18)	2 (30)	1(18)	2(30)	255	255	255	255
5	1800-4000K	1	1	Off	Off	1 (18)	2 (40)	1(18)	2(40)	255	255	255	255
6	2700-5000K	1	1	Off	Off	1 (27)	2 (50)	1(27)	2(50)	255	255	255	255
7	Single colour	1	1	Off	Off	1	1	1	1	255	255	255	255

WIRING PATTERN (T568B)

CAT5e CABLE
CABLE RETAINING CLAMP
RJ45 MODULAR CONNECTOR
TAB FACING AWAY

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				
DMX	Function	Data	Parameters	Description
CH1	Set address 001 to 255	0	0 = no change	Use this DMX channel to set address from 001 to 255. The configured DMX address is called "n"
		1…255	DMX address = 1…255	
CH2	Set address 256 to 508	0	no change	Use this DMX channel to set address from 256 to 508. The configured DMX address is called "n"
		1…255	DMX address = 256…508	
CH3	Static behavior	0	no change	If no DMX is present the fixture will respond like set in this function.
		1	last DMX value	
		2	output off	
		3	load static values	
CH4	Soft dim	0	no change	Soft dim will interpolate between the DMX values. This function makes the dim curve smoother
		1	off	
		2	on	
CH5	Master control	0	no change	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).
		1	no master used	
		2	master is first channel	
		3	master is last channel	
CH6	Output 1 patch	0	no change	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.
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH7	Output 2 patch	0	no change	**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).
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH8	Output 3 patch	0	no change	**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". If master is used total DMX channels will be 3 otherwise it uses 2 channels ("x" = 2).
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH9	Output 4 patch	0	no change	
		1	DMX channel n	
		2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
CH10	Static output 1	0	no change	Each output channel can be set to an static intensity.
		1	output off	
		2…255	intensity 2…255	
CH11	Static output 2	0	no change	If no DMX is present and Static behavior is set to "load static values". The outputs will be set to the configured intensity values.
		1	output off	
		2…255	intensity 2…255	
CH12	Static output 3	0	no change	
		1	output off	
		2…255	intensity 2…255	
CH13	Static output 4	0	no change	
		1	output off	
		2…255	intensity 2…255	
CH14	Load default settings	0	no change	This function resets all settings to the Factory setting. Check Factory setting table.
		X	Load Factory settings. X is row number factory setting table.	

WIRING DIAGRAM

7070XX
CLS BT LED power supply

122350
CLS LON/Martina RJ45-UTP
distribution box

DMX controller

XLR3
RJ45
Input
Output
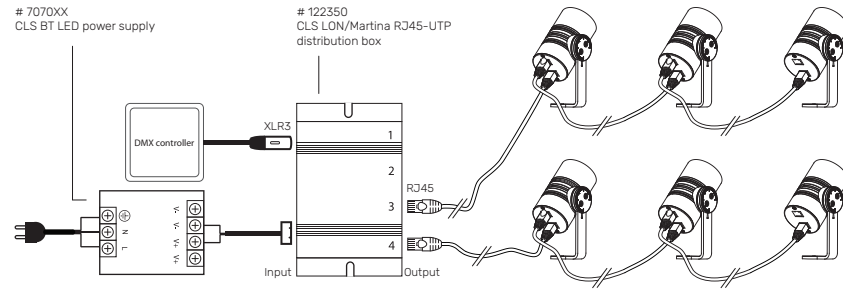
LED Power supply:
CLS BT20.24 - 24VDC 20VA   max 2 Martina's
CLS BT45.24 - 24VDC 45VA   max 4 Martina's
CLS BT75.24 - 24VDC 75VA   max 7 Martina's
CLS BT120.24 - 24VDC 120VA   max 12 Martina's
CLS BT240.24 - 24VDC 240VA   max 24 Martina's

Attention:
Max. 15m cable between the output connector of
the distribution box and the last Martina.

Max. 5 Martina's per output channel!

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
122350	CLS LON / Martina way RJ45-UTP distribution box for max. 24 pieces
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
707011	CLS BT45.24 LED power supply 24VDC 45VA 85-264VAC, max 4 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 24 Martina's
707028	CLS Zense DMX controller + built in 4 amp RGB dimmer
122200	CLS D-Ta DMX tester/addresser unit

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

DRIVER INCLUDED   DRIVER EXTERNAL

Weight
In grams/kilograms

Pressure
Maximum pressure on the
fixture in kg/cm²

Lifespan
Of the light source in hours

Lenses
Availble lenses,
indicated in degrees

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 & 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

DMX dimmable

Bluetooth controlled
By Casambi

Magno dimming
Accurate dimming from
100 - 1% by using a magnet

Dynamic Control
Dynamic Power Control or
Dynamic Temperature Control

DYNAMIC POWER CONTROL   DYNAMIC TEMPERATURE CONTROL

DMX input
Fixture works on DMX512
protocol

DMX 512

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

CLS DYNAMIC COLOUR COB   LIGHTSOURCE BY CITIZEN   LIGHTSOURCE BY XICATO