CLS TOPAZ PROFILE SERIES

Manual   V1.3 - Fenbruary 2025

INDEX

SAFETY INFORMATION

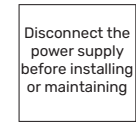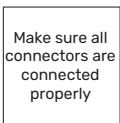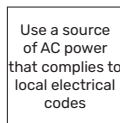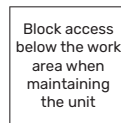|					
		Do not stare into the LED	Ambiance Max. 40°	Qualified technician	Disconnect the power supply before installing or maintaining
Make sure all connectors are connected properly	Use a source of AC power that complies to local electrical codes	Block access below the work area when maintaining the 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
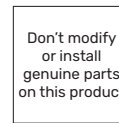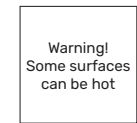
CONTENT

Gobo holder

Technical specifications icons
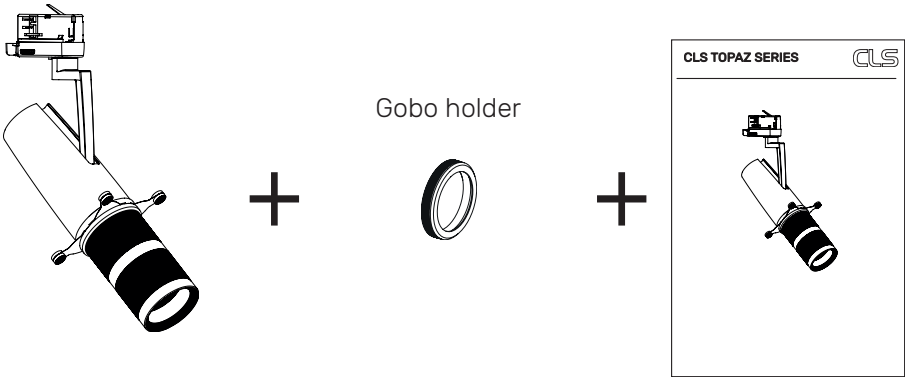
Ceiling · 340° · 90° · B: 200 cm · DRIVER INCLUDED · DRIVER INTERNAL · 998 gr · 50.000 h · 25° - 40° Xicato · IP20 · 2700K · 3000K · 3500K · 4000K · 1800K - 4000K

2700K - 6500K · 100 - 240 VAC · 15 Watt Max. · Local Dim · R D Roto Dim · DMX dimmable · DALI dimmable · Bluetooth by Casambi · Wireless DMX · 5 YEARS WARRANTY · CE · A+ · LIGHTSOURCE BY XICATO · bridgelux

CLS TOPAZ SERIES

Topaz Profile

70 mm

40 mm

271 mm

ø 61 mm

Casambi adapter

253 mm

40 mm

DMX adapter

110 mm

40 mm

Bolt Mounting

ø 10 mm

18 mm

Tools   ø 10 mm   M10   2
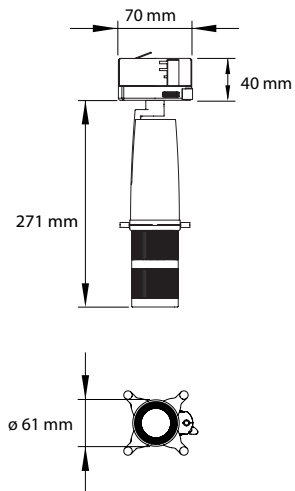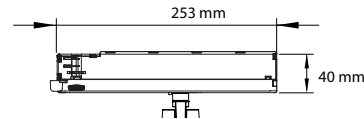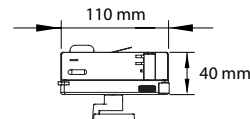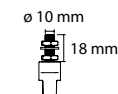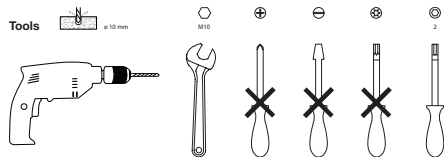
SPECIFICATIONS

LED:	Bridgelux or Xicato
Available colours:	CRI>90 : 2700K, 3000K, 3500K & 4000K
	CRI>98 : 2700K, 3000K, 3500K & 4000K
Tunable White:	1800K-4000K & 2700K-6500K
Zoom:	25° – 40°
Power supply:	100 ~ 240 VAC (Roto Dim, DMX, W-DMX)
	200 ~ 240 VAC (Non Dim, Local Dim)
	220 ~ 240 VAC (Casambi)
Power consumption:	Max. 15 Watt
Housing:	Black or white coated aluminium
Weight:	998 gr
IP value:	IP20
Measurements:	See drawing
Ambient temperature:	–10° C till +40° C

GOBO SPECIFICATIONS

Max. internal diameter (IA):	ø 15 mm
External diameter (OD):	ø 30 mm
Thickness:	3 mm

Maximum Internal Diameter 15mm

Thickness≤3mm

External Diameter 30mm

1

Set the adapter to the desired phase by turning the wheel

2

CLS Global 3-phase rail

A

B
②

3

 # Y108062

4

 # Y108052

5

360°

6

Adjust sharpness

Adjust beam angle 25º - 40º
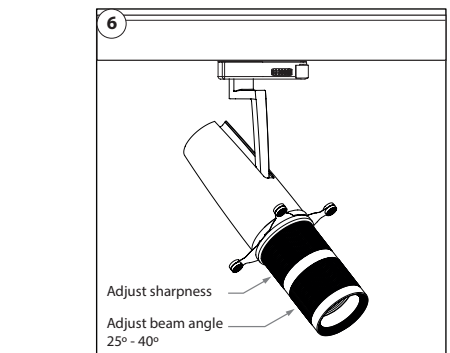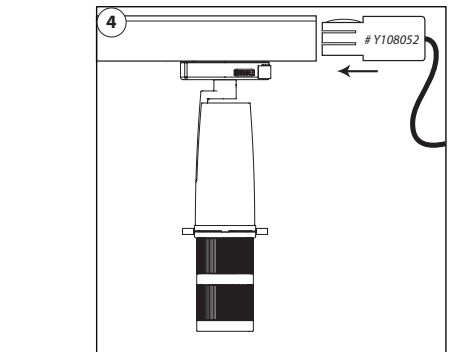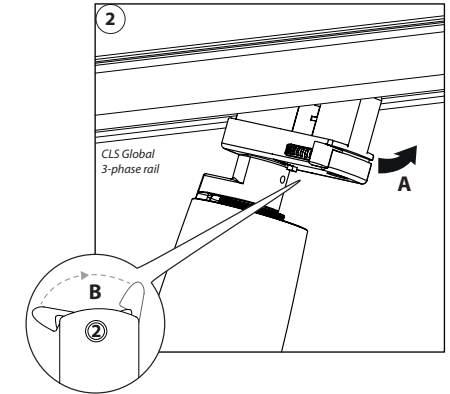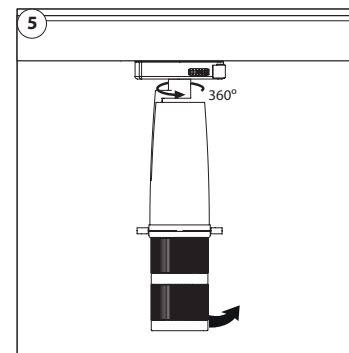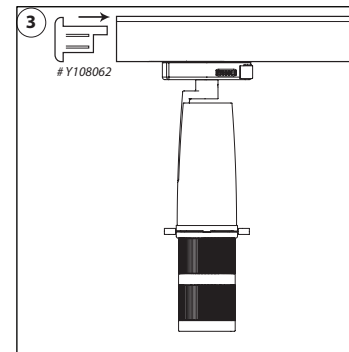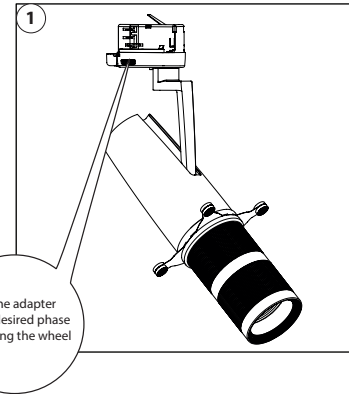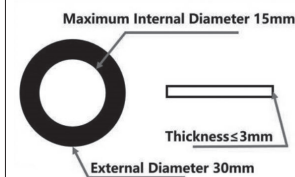
INSTALLATION PROFILE BOLT

1

* Install example aluminium cable tray

ø 10 mm

2

M10

3

Adjust sharpness

Adjust beam angle
25º - 40º

LOCK POSITION

1

Size 2

2

Size 2

FRAMING

1

Open

Close

2

Example of trapezium framing

3

Example of half a circle framing

3

Example of square framing

5 *Maximum size framable object at 200 cm*

200 cm distance

96 cm

48 cm

Beam angle 40º

100 cm distance
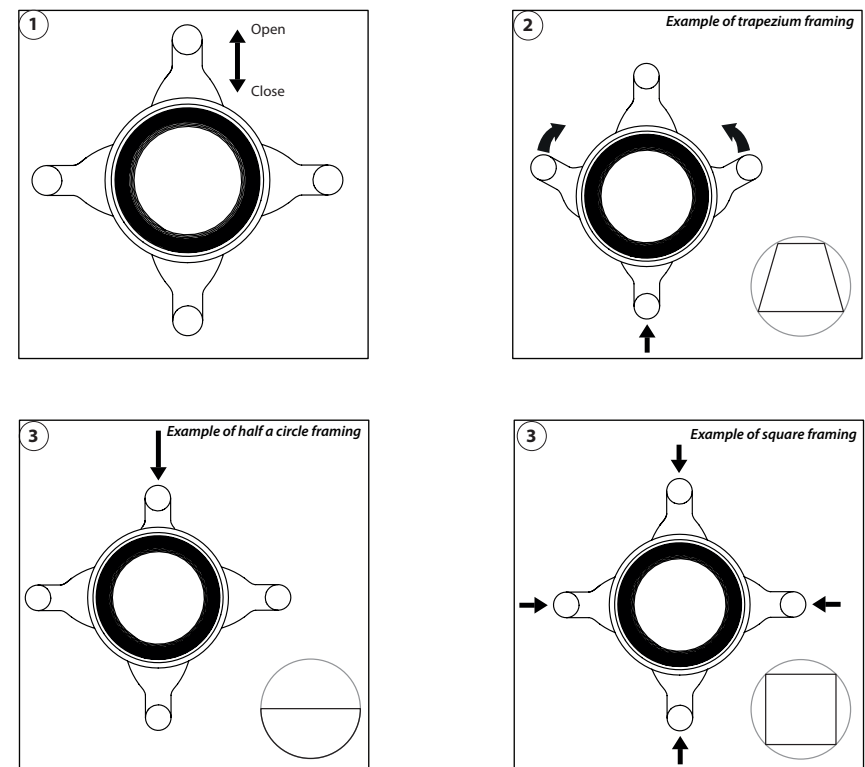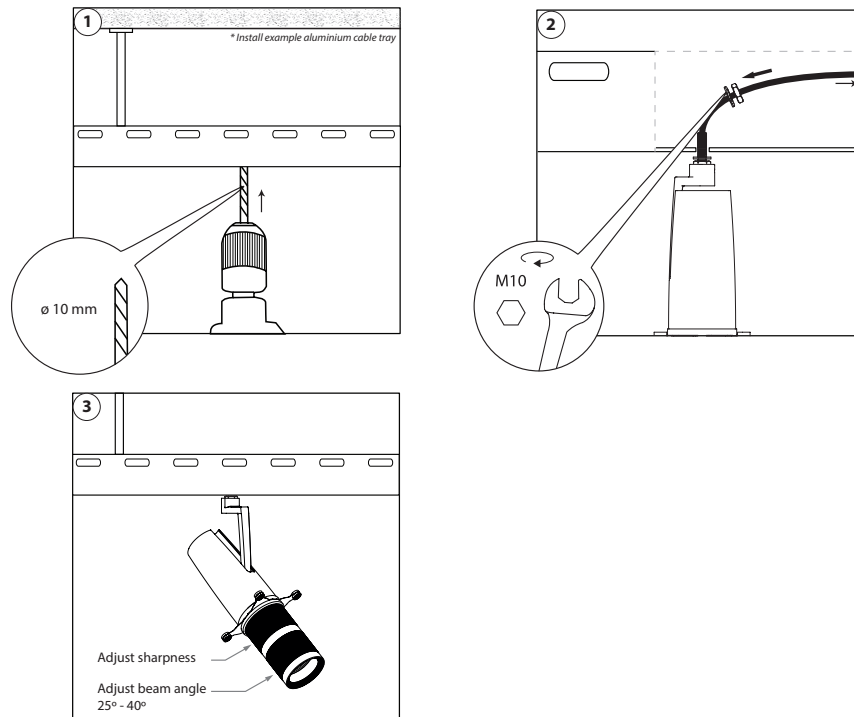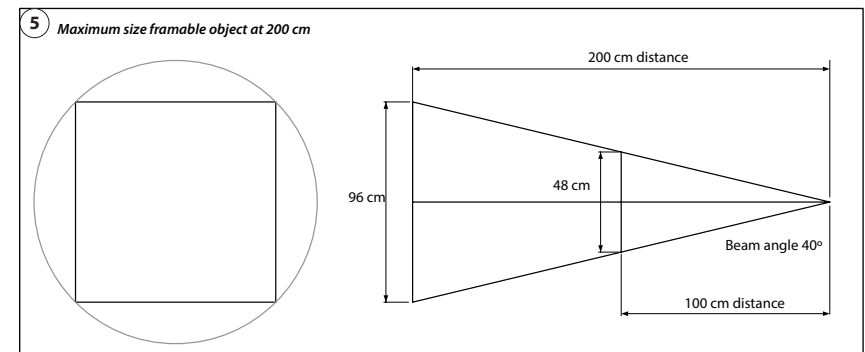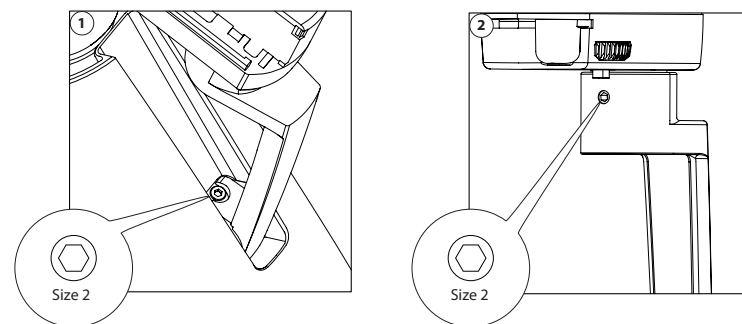
GOBO PLACEMENT

Note: Gobo size: ø 30 mm - Thickness 3 mm

1

Gently twist & pull at the same time

2

C

3 Supplied Gobo holder

B

A

4

C

5

6

Gently twist & push at the same time

FILTER HOLDER ASSEMBLY

1

Y106611-X
Y106612-X

2

3

4

Adjust sharpness

Adjust beam angle
25º - 40º
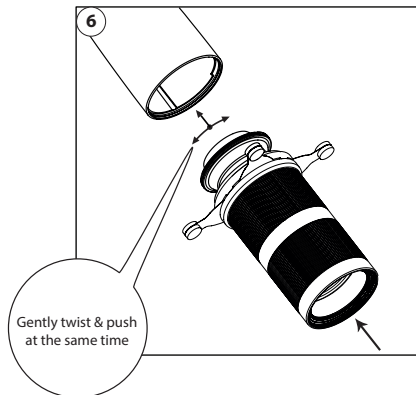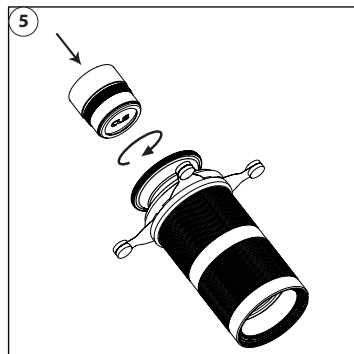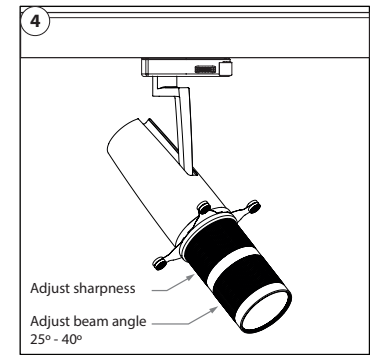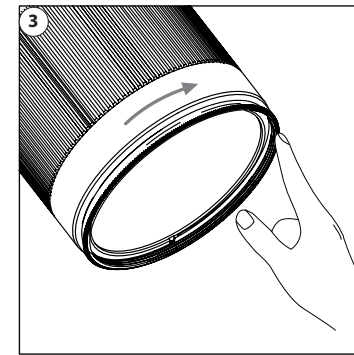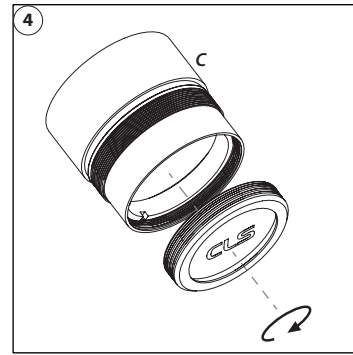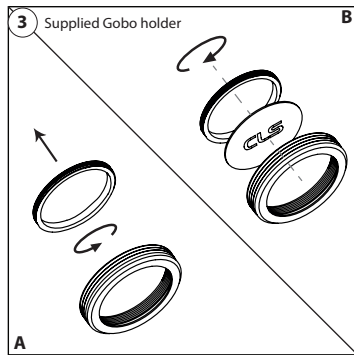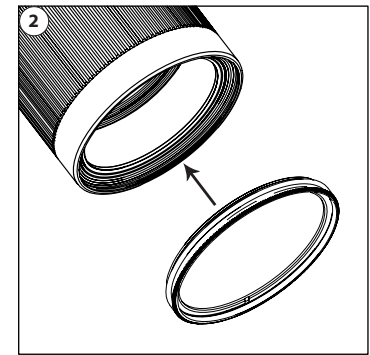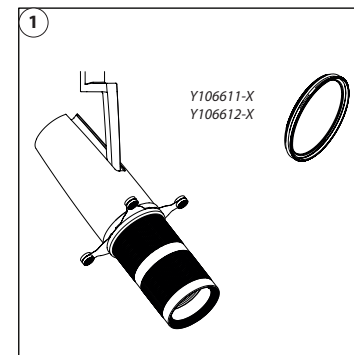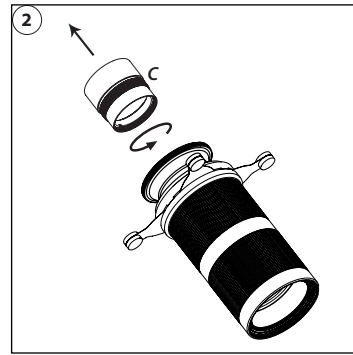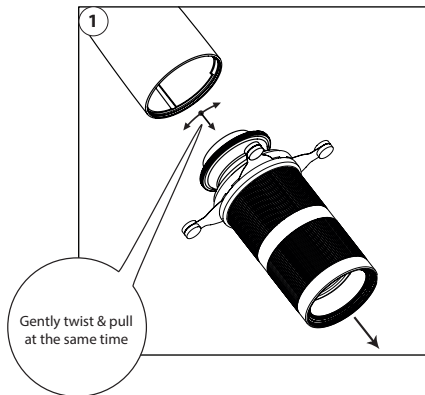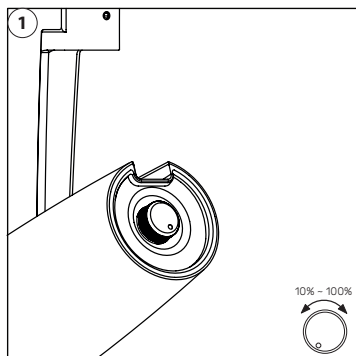
Local Dim

Local dimming through a
potentiometer on the driver
housing.

10% – 100%
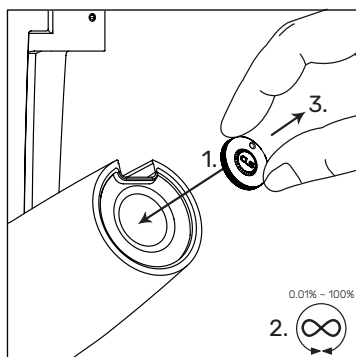
Roto Dim®

1. Place magnet on the back of the Topaz.
2. Turn right or left for the desired dimming value.
3. Remove the magnet from the Topaz. After aprox. 3 seconds the LED will flash one time, confirming the dim value has been stored.
4. The magnet can also remain seated on the back of the Topaz. After aprox. 10 seconds the LED will flash one time, confirming the dim value has been stored.

0.01% – 100%
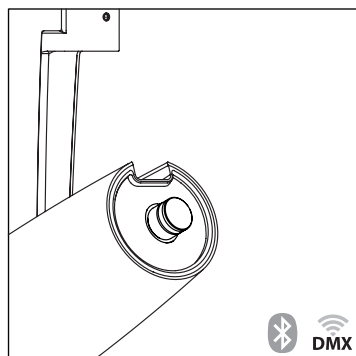
Wireless (antenna)

Control by Casambi via bluetooth
or Wireless DMX

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 universal DMX controller with digital interface.

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

DMX single colour programming
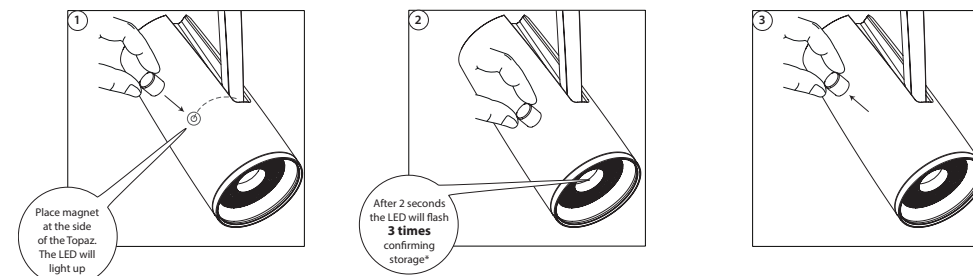
Place magnet at the side of the Topaz. The LED will light up

After 2 seconds the LED will flash **3 times** confirming storage*

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

DMX Tunable White programming
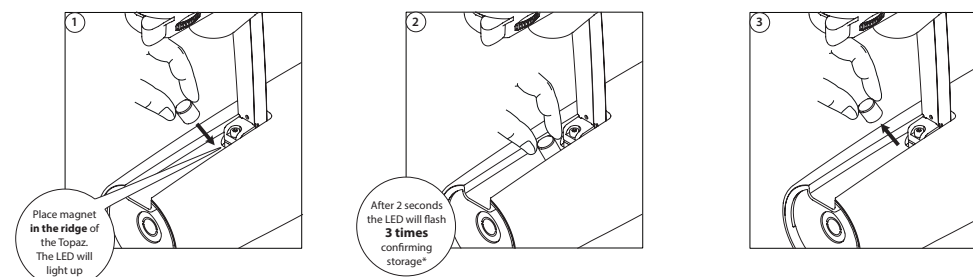
Place magnet **in the ridge** of the Topaz. The LED will light up

After 2 seconds the LED will flash **3 times** confirming storage*

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

WIRELESS DMX

See the Manual of Wireless Solutions. The Manual can be found on our CLS website, in the Downloads section. Or use the link below
https://www.cls-led.com/wp-content/uploads/cls-files/W-DMX-manual.pdf

Unlink procedure
When the fixture does not receive a DMX signal (DMX controller off), place the magnet on the bottom of the fixture for 5 seconds.
Slow flash indicates that the fixture is unlinked.

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 1 to 255.
		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
		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	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. Value x delay is x*0.1 seconds, varying from 0.1-25.5 seconds.
		1	Off	
		2	Standard	
		3	Dynamic delay	
		5-255	Fixed delay	
CH10	Static output	0	No change	Each output channel can be set to a static intensity. 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	
CH14	Load default settings	0	No change	This function resets all settings to the Factory setting.
		1	Load Factory settings	
CH17	DMX control	0	No change	The intensity control of the output via DMX can be disabled. To enable it again use RDM or power cycle with magnet in place. Wait until flash sequence and remove the magnet.
		2	Disable	

✓

BLUETOOTH BY CASAMBI

For Casambi controlled fixtures, see the manual of Casambi. The Manual can be found on our CLS website, in the Downloads section. Or use the link below:

https://www.cls-led.com/wp-content/uploads/cls-products/CLS_CASAMBI/MANUAL/Manual_Casambi_controlsystem_EN.pdf

ACCESSORIES

Y110855	CLS 3-phase multi adapter grey XTSA 68
Y110865	CLS 3-phase multi adapter white XTSA 68
Y110875	CLS 3-phase multi adapter black XTSA 68
Y110880	CLS T-connector grey for 3-phaserail, ground left
Y110881	CLS T-connector black for 3-phaserail, ground left
Y110882	CLS T-connector white for 3-phaserail, ground left
Y110925	CLS 3-phase rail 1mtr aluminum XTS 4100
Y110926	CLS Global 3-phase rail 2 metre aluminum XTS 4200
Y110927	CLS Global 3-phase rail 2mtr black XTS 4200
Y110928	CLS Global 3-phase rail 3mtr aluminum XTS 4300
Y110929	CLS Global 3-phase rail 4mtr aluminum XTS 4100
Y110930	CLS Global 3-phase rail 3mtr white XTS 4300
Y110931	CLS Global 3-phase rail 3mtr black XTS 4300
Y110932	CLS Global 3-phase rail 4mtr black XTS 4400
Y110935	CLS end piece for 3-phase rail grey XTS 41
Y110938	CLS end piece for 3-phase rail black XTS 41
Y110939	CLS end piece for 3-phase rail white XTS 41-3
Y110945	CLS connection box for 3-phase rail, grey XTS 11
Y110946	CLS connection box for 3-phase rail, grey XTS 12
Y110950	CLS connection box for 3-phase rail black XTS 11

Y110954	CLS L-connector grey for 3-faserail, ground left
Y110954	CLS L-connector grey for 3-faserail, ground left
Y110955	CLS L-connector grey for 3-faserail, ground right
Y110960	CLS connect piece gray (connect rail-rail) XTS
Y110961	CLS connect piece white (connect rail-rail) XTS21
Y110962	CLS connect piece black (connect rail-rail) XTS
Y110965	CLS hanging bracke for 3-phase rail, grey SKB16
Y110966	CLS hanging set, grey SKB12 with 1.5 mtr steel
Y110970	CLS bending tool XTSV 12
Y110980	CLS round mountingdisk GA70 grey
Y110985	CLS round mountingdisk GA70 white
Y110990	CLS round mountingdisk GA70 black
Y106611-B	CLS Topaz Profile soft diffussion filter set black
Y106611-W	CLS Topaz Profile soft diffussion filter set white
Y106612-B	CLS Topaz Profile filterholder black
Y106612-W	CLS Topaz Profile filterholder white
Y106018	CLS Roto Dim magnet
Y106019	CLS Roto DIm magnet with keycord

ACCESSORY OVERVIEW

If you want the accessories shown in the left column, you need to combine the articles marked with the ✓ *

	Y106611	Y106612
Soft Diffusion set	✓	
Framing Filter holder		✓

*All accessories can be combined together

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
Availble 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

Magno 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, Bridgelux or a
Xicato LED module

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