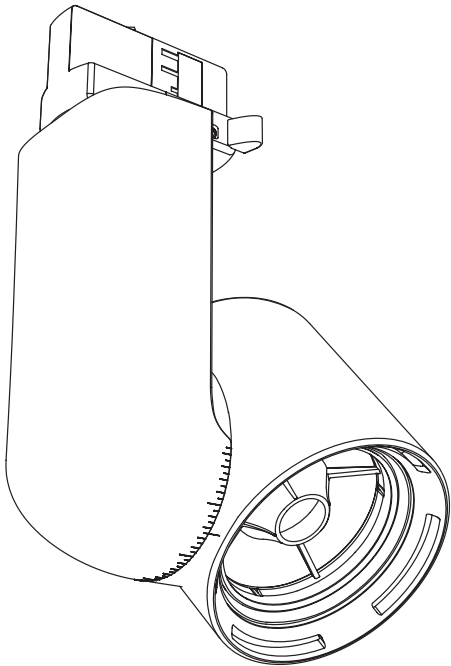




JADE HD

Index 2

Safety information 2

Content 2

Technical 3

Specifications 3

Accessories 3

Installation Jade 4

Installation Jade C 5

Installation Jade B 6

Barndoor assembly 7

Barndoor combi assembly 8

Snoot / half snoot assembly 9

Honey comb louvre assembly 10

Accessory combinations 11

JADE HD DMX VERSION

Accessories DMX 12

Installation Global adapter 13

Installation Eutrac adapter 13

Programming 14

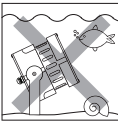
Wireless DMX 14

Factory settings 15

Programming table 15

List of symbols 16

SAFETY INFORMATION



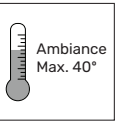
Make sure all connectors are connected properly



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



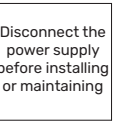
Block access below the work area when maintaining the unit



Don't modify or install genuine parts on this product

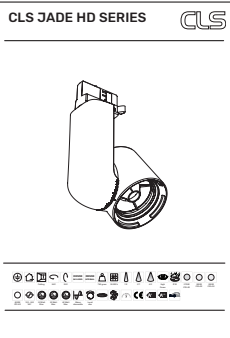
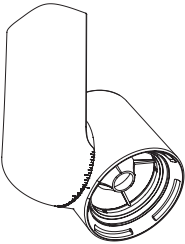


Don't install in a flammable or explosive area

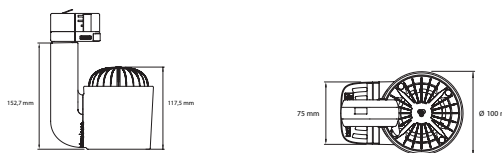


Warning! Some surfaces can be hot

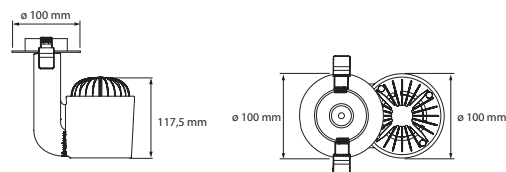
CONTENT



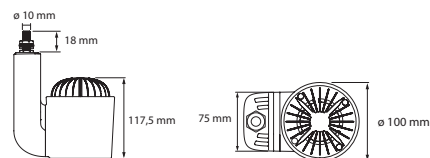
Jade HD



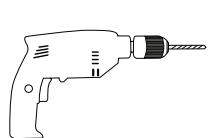
Jade C HD



Jade B HD



Tools

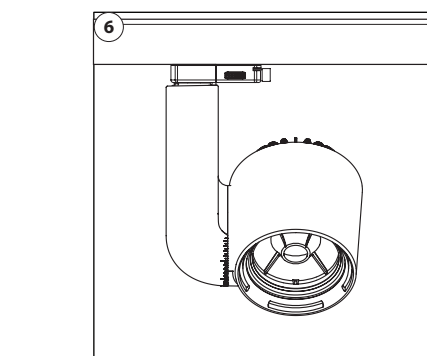
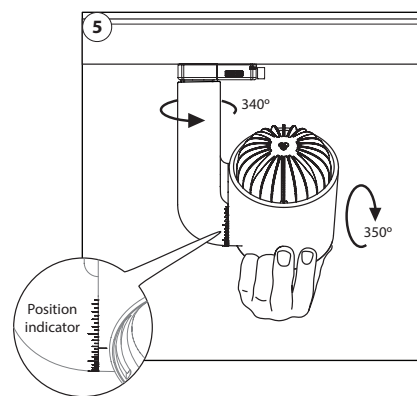
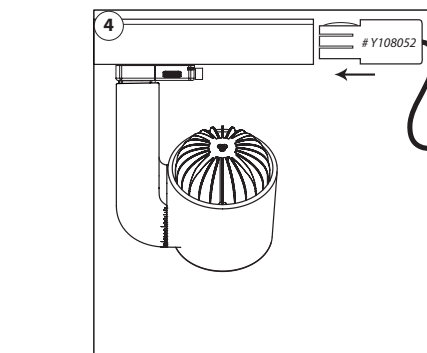
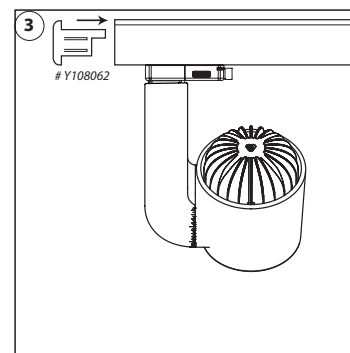
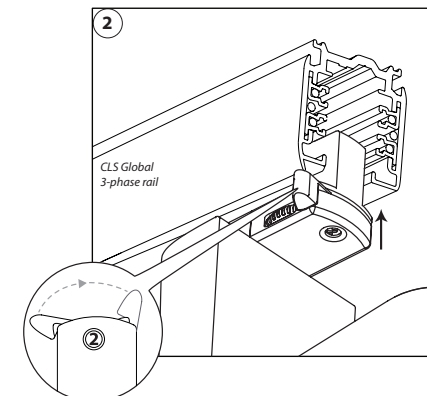
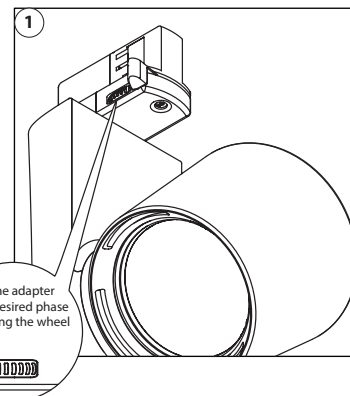


SPECIFICATIONS

LED:	Bridgelux or Xicato
Available colours:	2700K, 3000K, 3500K & 4000K
CRI:	CRI=92 or CRI=98
Beam angle:	Spot, medium, flood or Elliptical
Power supply:	100 ~ 240 VAC
Power consumption:	Max. 25 Watt
Housing:	Black, grey or white PC (PC-ABS V0) Heatsink black or white coated aluminium
Weight:	800 gram
IP value:	IP20
Measurements:	152,7 x 100 x 100 mm (h x w x d)
Ambient temperature:	-10° C till +40° C

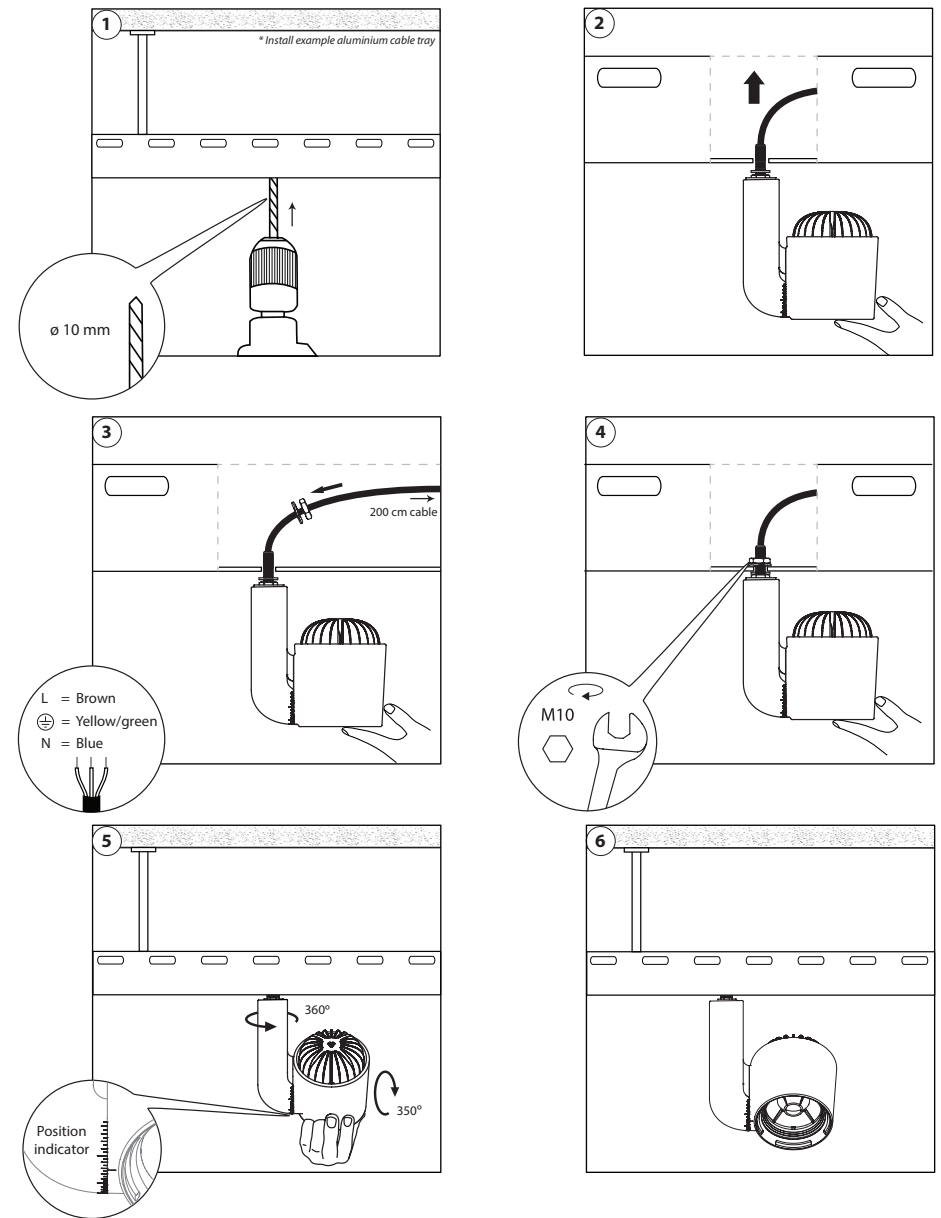
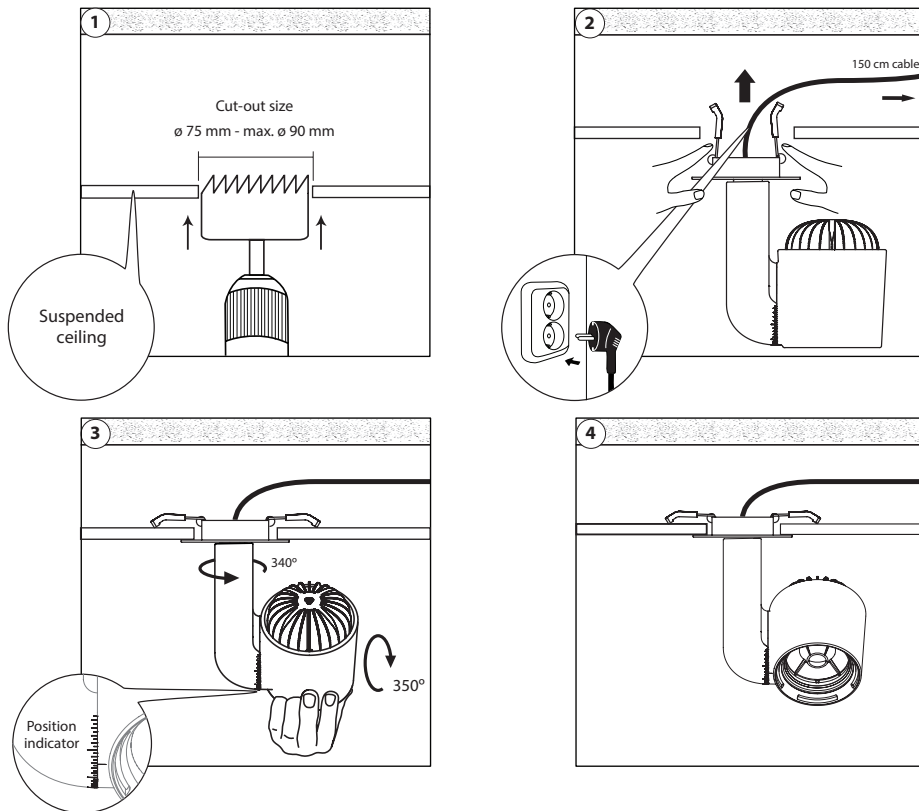
ACCESSORIES

Y106200-B	CLS Jade Expo Snoot, black
Y106200-W	CLS Jade Expo Snoot, white (black inside)
Y106201-B	CLS Jade Expo Half Snoot, black
Y106201-W	CLS Jade Expo Half Snoot, white (black inside)
Y106202-B	CLS Jade Expo Barndoor, black
Y106202-W	CLS Jade Expo Barndoor, white (black inside)
Y106211	CLS Jade Expo Beam shaper 33°
Y106212	CLS Jade Expo Beam shaper 42°
Y106213	CLS Jade Expo Beam shaper 70°
Y106214	CLS Jade Expo Beam shaper 55x22°
Y106215	CLS Jade Expo Honey Comb louvre
Y106017	CLS Magnet pin (5 pcs)
122200	CLS D-Ta DMX tester/addresser unit



INSTALLATION JADE C HD

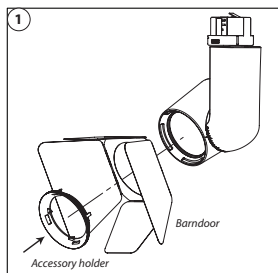
INSTALLATION JADE B HD



BARNDOOR ASSEMBLY

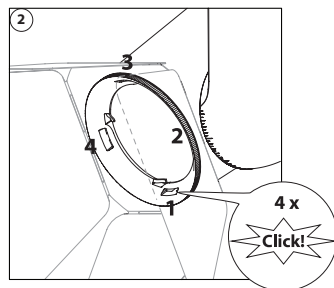
BARNDOOR COMBI ASSEMBLY

Example Barndoor & Snoot



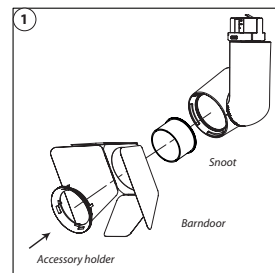
NL Plaats de accessoire houder met de 4 klikvingers in het midden van de montage gleuf op de Jade.

UK Place the accessory holder with the 4 click fingers in the middle of the mounting slot on the Jade.



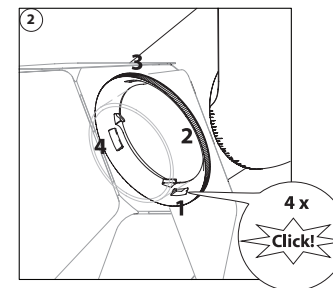
Druk krachtig aan, u dient een duidelijke 'klik' te horen.

Push firmly until you hear a clear 'Click' sound.



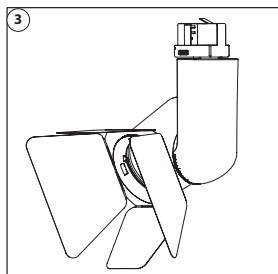
NL Plaats de accessoire houder met de 4 klikvingers in het midden van de montage gleuf op de Jade.

UK Place the accessory holder with the 4 click fingers in the middle of the mounting slot on the Jade.



Druk krachtig aan, u dient een duidelijke 'klik' te horen.

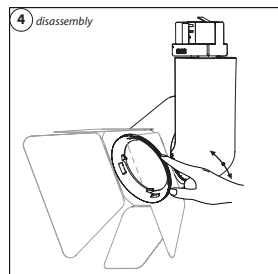
Push firmly until you hear a clear 'Click' sound.



Als u de barndoor wilt roteren voor een juiste positie, dient u dit met 1 hand te doen en met de andere hand de accessoire houder op zijn plaats te houden.

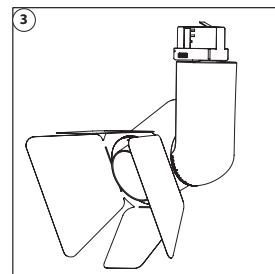
Doet u dit niet, dan kunt u de accessoire houder losklikken!

If you want to rotate the barndoor to find the desired position, you need to keep the accessory holder with one hand on its place. **If you don't do this you might release the accessory holder!**



Verwijderen van de barndoor: draai de accessoire houder geheel naar links of naar rechts tot deze niet meer verder kan.

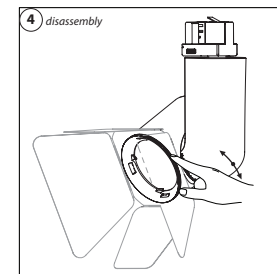
Removing the barndoor: rotate the accessory holder fully to the right or left, until you are not able to rotate it any further.



Als u de barndoor wilt roteren voor een juiste positie, dient u dit met 1 hand te doen en met de andere hand de accessoire houder op zijn plaats te houden.

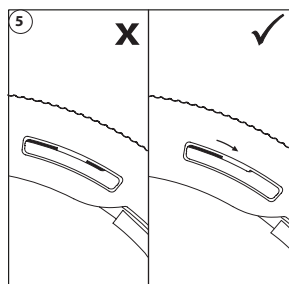
Doet u dit niet, dan kunt u de accessoire houder losklikken!

If you want to rotate the barndoor to find the desired position, you need to keep the accessory holder with one hand on its place. **If you don't do this you might release the accessory holder!**



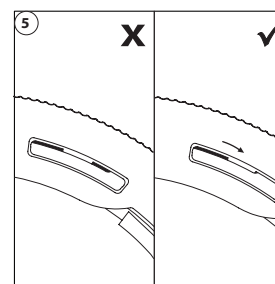
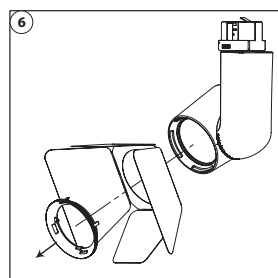
Verwijderen van de barndoor: draai de accessoire houder geheel naar links of naar rechts tot deze niet meer verder kan.

Removing the barndoor: rotate the accessory holder fully to the right or left, until you are not able to rotate it any further.



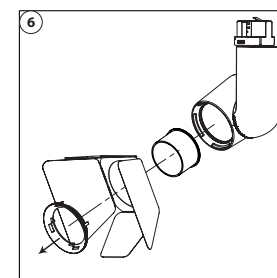
U voelt een weerstand en kunt nu de accessoire houder naar voren halen.

When you feel the resistance, pull the accessory holder out of the mountingslot.

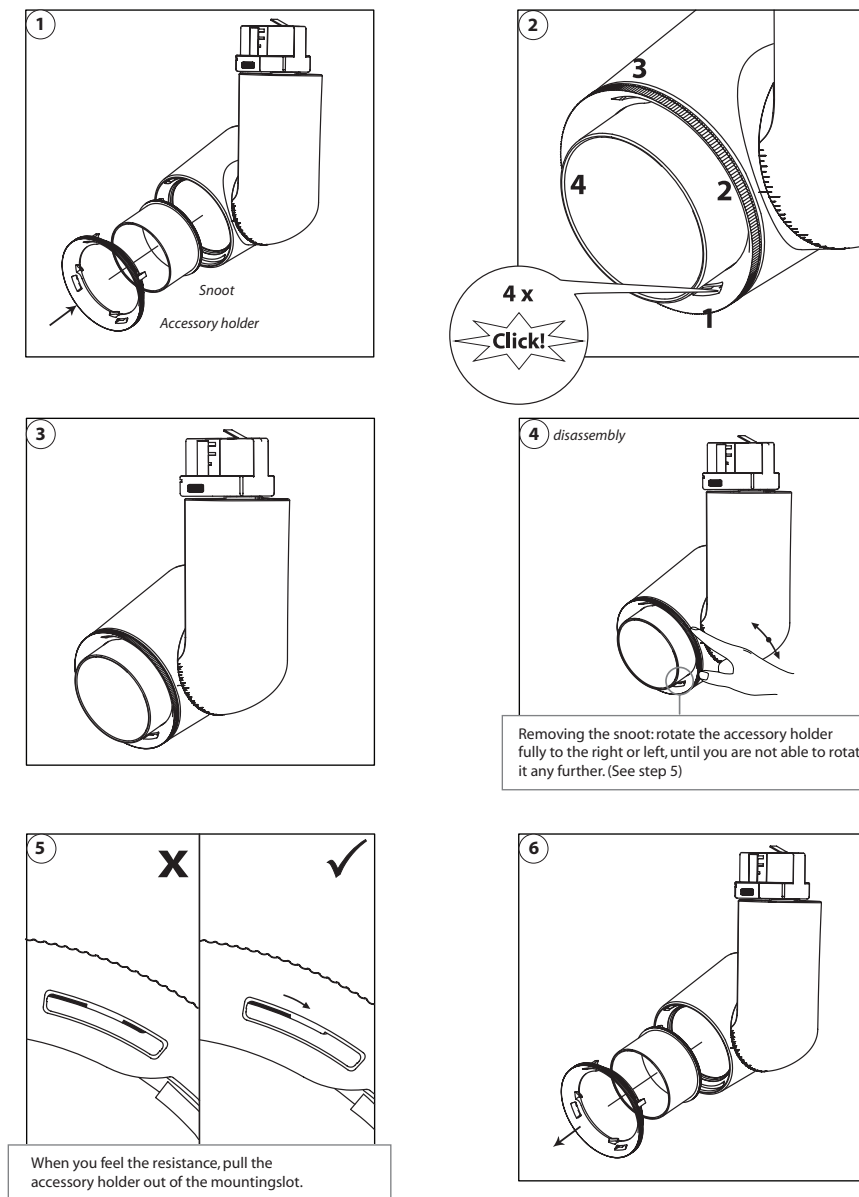


U voelt een weerstand en kunt nu de accessoire houder naar voren halen.

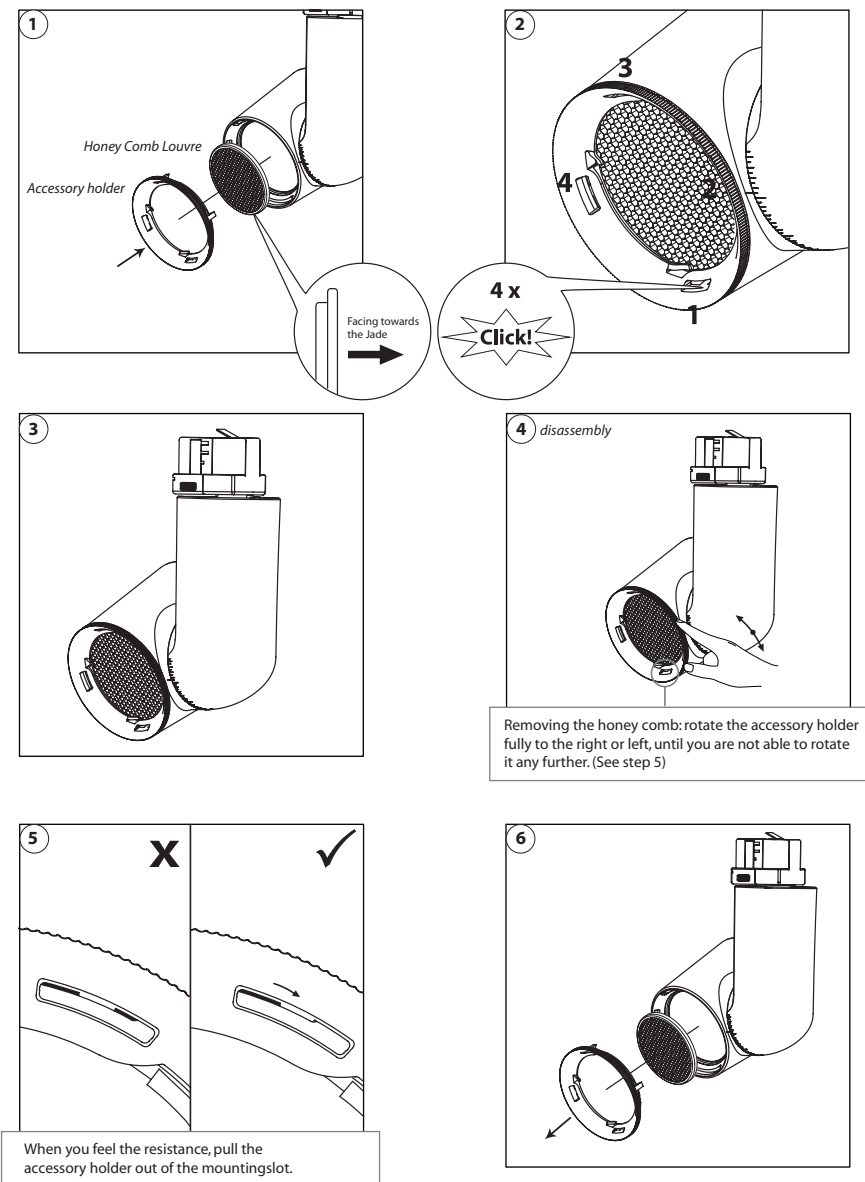
When you feel the resistance, pull the accessory holder out of the mountingslot.



SNOOT / HALF SNOOT ASSEMBLY



HONEY COMB LOUVRE ASSEMBLY



ACCESSORY COMBINATIONS



Barndoor

Y106202-B
Y106202-W



Snoot

Y106200-B
Y106200-W



Half cut snoot

Y106201-B
Y106201-W



Beam shaper

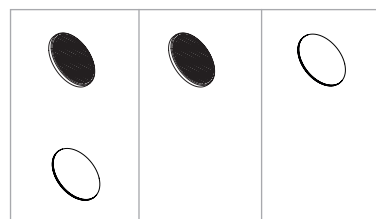
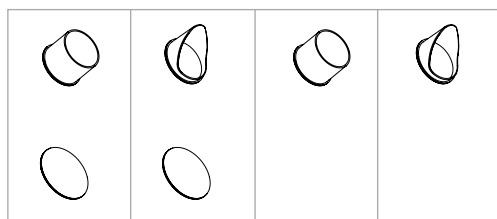
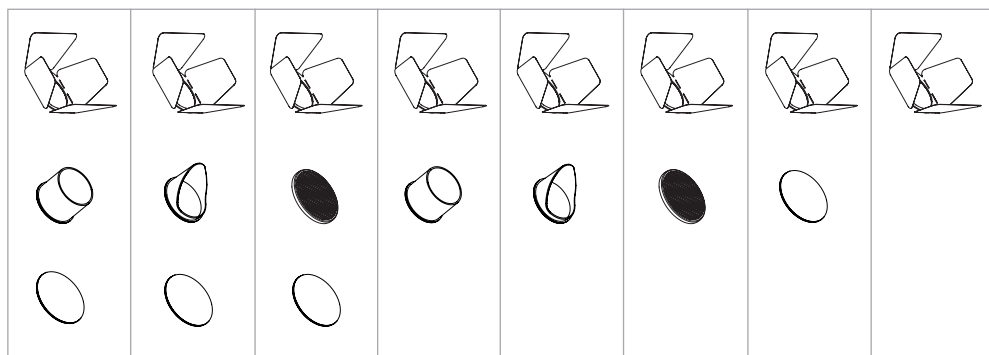
Y106211 33°
Y106212 42°
Y106213 70°
Y106214 55x22°



Honey comb louvre

Y106215

Combinations



ACCESSORIES

Global 3-phase

Y110855-G	CLS 3-phase multi adapter grey XTSA 68
Y110855-W	CLS 3-phase multi adapter white XTSA 68
Y110855-B	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

Global 3-phase + Data

Global - black

Y108501-B	CLS Global 3-phase rail + data 1 meter black
Y108502-B	CLS Global 3-phase rail + data 2 meter black
Y108503-B	CLS Global 3-phase rail + data 3 meter black
Y108504-B	CLS Global 3-phase rail + data 4 meter black
Y108511-B	CLS Global 3-phase rail + data end feed right, black
Y108512-B	CLS Global 3-phase rail + data end feed left, black
Y108513-B	CLS Global 3-phase rail + data middle feed black
Y108515-B	CLS Global 3-phase rail + data L-coupler inner black
Y108516-B	CLS Global 3-phase rail + data L-coupler outer black
Y110938	CLS Global 3-phase rail + data end cap black

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-phaserail, ground left
Y110955	CLS L-connector grey for 3-phaserail, 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

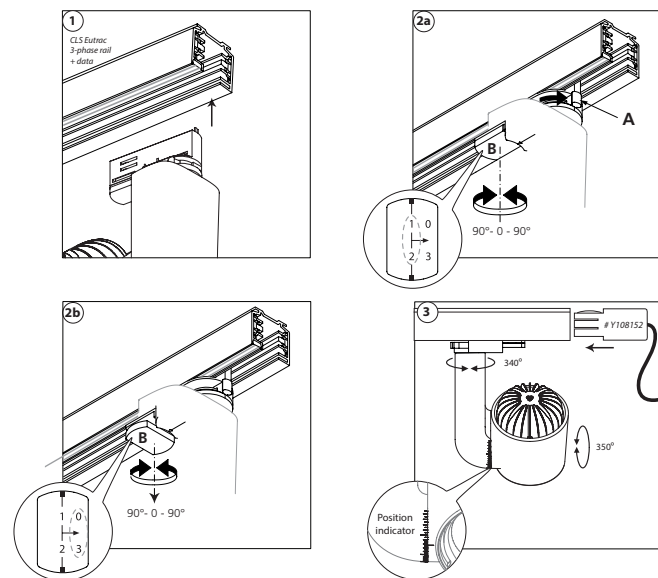
Global - grey

Y108501-G	CLS Global 3-phase rail + data 1 meter grey
Y108502-G	CLS Global 3-phase rail + data 2 meter grey
Y108503-G	CLS Global 3-phase rail + data 3 meter grey
Y108504-G	CLS Global 3-phase rail + data 4 meter grey
Y108511-G	CLS Global 3-phase rail + data end feed right, grey
Y108512-G	CLS Global 3-phase rail + data end feed left, grey
Y108513-G	CLS Global 3-phase rail + data middle feed grey
Y108515-G	CLS Global 3-phase rail + data L-coupler inner grey
Y108516-G	CLS Global 3-phase rail + data L-coupler outer grey
Y110935	CLS Global 3-phase rail + data end cap grey

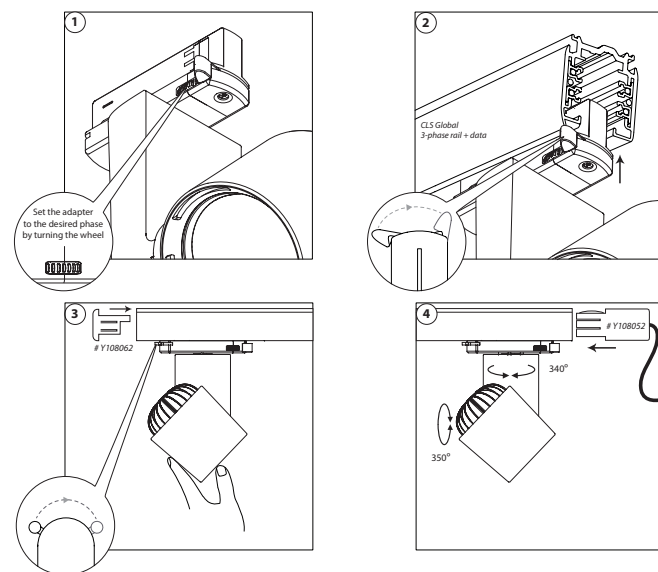
2024 CLS-LED BV. All rights reserved. Information subject to change without notice, CLS-LED BV and all affiliated companies disclaim liability for injury, damage direct or indirect loss, consequential or economic loss or any other loss occasioned by the use of, inability to use or reliance on the information contained in this manual. No part of this manual may be reproduced, in any form or by any means, without permission in writing from CLS-LED BV. Other legal information can be found in our General conditions, found on the back of your CLS-LED BV invoice, inside the CLS catalogue or on our website www.cls-led.com/General-Terms.pdf

INSTALLATION DMX VERSION

WITH EUTRAC ADAPTER



WITH GLOBAL ADAPTER

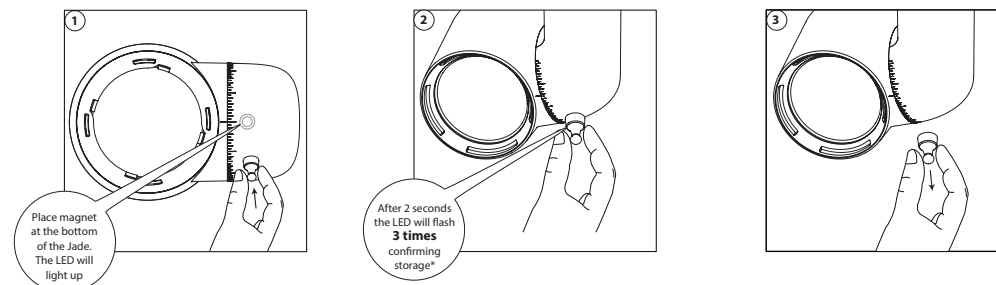


PROGRAMMING

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 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.



* 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

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	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.
		1	off *	
		2	dynamic	
		3-250	fixed interpolation delay	
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	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	
CH10	Static output 1	0	no change	Each output channel can be set to a static intensity.
		1	output off	
		2...255	intensity 2...255 *(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 *(255)	
CH12	Static output 3	0	no change	
		1	output off	
		2...255	intensity 2...255 *(255)	
CH13	Static output 4	0	no change	
		1	output off	
		2...255	intensity 2...255 *(255)	
CH14	Load default settings	0	no change	This function resets all settings to the Factory setting.
CH15	Input Resolution setting	1	no change	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.
		2	8 bit *	
CH16	Drive mode setting	0	no change	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.
		1	compatible with version < 2020	
		2	PWM frequency 0.7kHz *	
		3	PWM frequency 1.4kHz	
		4	PWM frequency 2.8kHz	
		5	PWM frequency 5.6kHz	

* Default setting

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, Bridgelux or a Xicato LED module