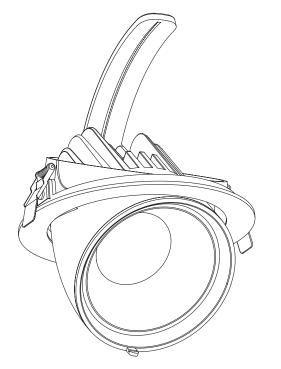
CLS MIKA SERIES

V1.4 - March 2024 Manual

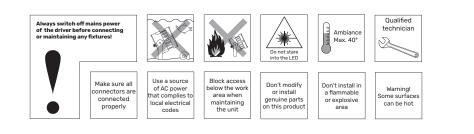


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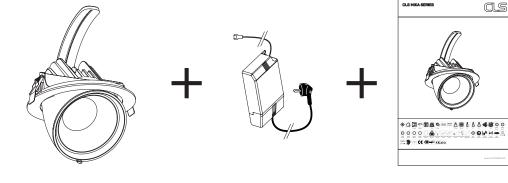
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SAFETY INFORMATION



CONTENT



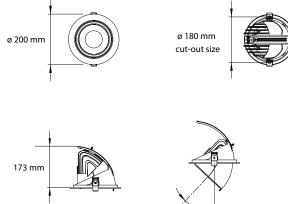


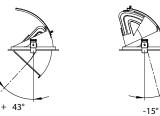


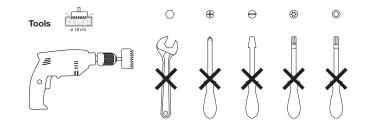


TECHNICAL

INSTALLATION



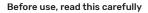




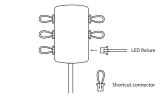
SPECIFICATIONS	
LED:	High Power LED
Available colours:	CRI 80: 2500K, 2700K & 4000K
	CRI 90: 2700K, 3000K & 4000K
	Clothes, furniture, kitchen, jewelry, shoes,
	bread, meat, fish, vegetables & fruit
Beam angle:	19°, 37° or 63°
Power supply:	Max. 700 mA
Power consumption:	Max. 30 Watt
Housing:	Black, or white coated aluminium,
	Black PC (PC-ABS V0)
Weight:	1325 gram
Cable length:	150 cm
IP value:	IP20
Measurements:	173 x 200 mm (hxø)
Ambient temperature	: -10° C till +40° C

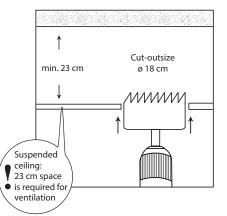
ACCESSORIES

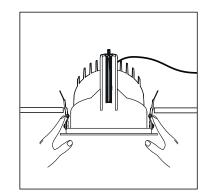
- 113002 CLS LDC-41 GIII DMX LED dimmer 4 channels
- 113005 CLS LDC-407 DMX 1-4 channel 700mA LED driver
- 122200 CLS D-ta DMX addresser unit
- 87129900 CLS SmartConnect 2-fold junction box & shortcircuit connect.
- 87129915 CLS SmartConnect short circuit plugs (10pcs)
- 87129959 CLS SmartConnect extensioncable betw. 2 junctionboxes 5mtr 911367
 - CLS LDC Connection Block to SmartConnect system

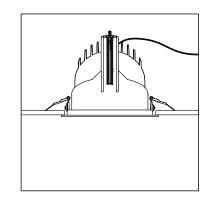


- > Always disconnect the power before connecting the
- LED fixtures otherwise this will cause serious damage! > Make sure the unused outputs has been shorted with
- a shortcut connector before connecting the power. > Before use please check the correct dipswitch setting.
- (See sticker on the driver)
- > The driver must be set to 700mA.







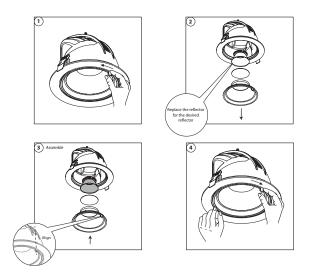






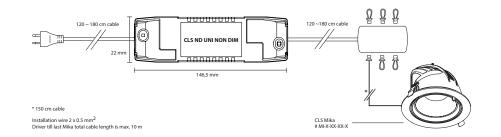
REFLECTOR REPLACEMENT

WIRING DIAGRAM UNI NON DIM DRIVER

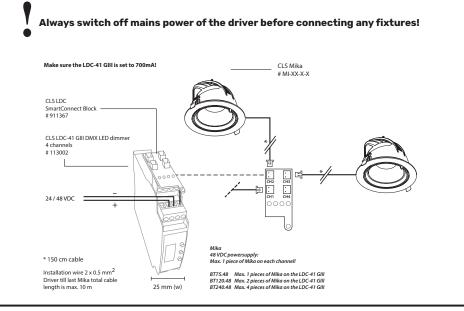


Always switch off mains power of the driver before connecting any fixtures!

CLS ND UNI, non dim, 300-1050mA driver 22 x 146,5 x 43,5 mm (hxwxd)



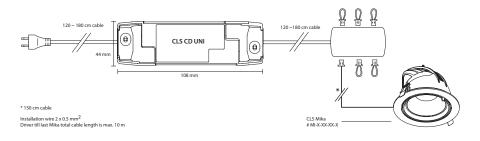
WIRING DIAGRAM LDC-41 GIII



WIRING DIAGRAM CASAMBI BLUETOOTH DRIVER

CLS CD UNI, Casambi Bluetooth, 350-700mA driver

30 x 108 x 44 mm (hxwxd)

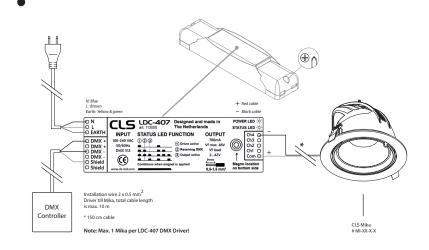






PROGRAMMING TABLE

Always switch off mains power of the driver before connecting any fixtures!

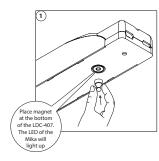


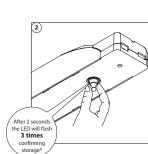
PROGRAMMING

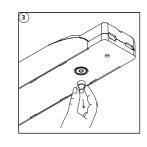
All settings can be configured via DMX. Settings can be configured at once or separately. When one or a couple settings needs to be changed just leave all other setting values zero. This keeps those settings unchanged. Please check the table for more information.

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.

			PROGRAMMING	
DMX	Function	Data	Parameters	Description
CH1	Set address	0	0 = no change	Use this DMX channel to set address from 1 to
CHI	001 to 255	1255	DMX address = 1255	255. (DMX address is called "n")
6112	Set address	0	no change	Use this DMX channel to set address from 256 to
CH2	256 to 508	1255	DMX address = 256508	508. (DMX address is called "n")
		0	no change	
Static	Static	1	last DMX value	If no DMX is present the fixture will respond like
CH3	CH3 behavior		output off	set in this function.
		3	load static values	
		0	no change	When dynamic softdim is activated an extra DM
0114		1	off	channel behind the colours and/or master
CH4	Soft dim	2	Dynamic	controls the soft dim reaction. If fixed no extra
		3-250	Fixed interpolation delay	DMX channel is used.
		0	no change	If master is first channel is selected the channel
	Master	1	no master used	will be DMX channel "n". If master is last channel
CH5	control	2	master is first channel	is selected the channel will be "n+x"
		3	master is last channel	("x" is calculated in the output patch).
		0	no change	
		1	DMX channel n	Each output channel can be patched to respond
CH6	Output 1	2	DMX channel n+1	to the desired DMX channel. This enables the
chi	patch	3	DMX channel n+2	user to mix up the colours according to the
		4	DMX channel n+3	controller that is used.
		0	no change	
		1	DMX channel n	Example: all outputs are patched as 1
CH7	Output 2	2	DMX channel n+1	All outputs will be controlled by DMX channel
CH/	patch	3	DMX channel n+1	"n". If master is used total DMX channels will be
		4	DMX channel n+2 DMX channel n+3	otherwise it uses 1 channel ("x" = 1).
		0		Evenuelas estenut 192 ere notebod es 1 and 294
			no change	Example: output 1&2 are patched as 1 and 3&4 are patched as 2
0110	Output 3	1	DMX channel n	Output 1 & 2 will be controlled by DMX channel
CH8	patch	2	DMX channel n+1	"n".
		3	DMX channel n+2	Output 3 & 4 will be controlled by DMX channel
		4	DMX channel n+3	"n+1".
		0	no change	If master is used total DMX channels will be 3
	Output 4	1	DMX channel n	otherwise it uses 2 channels ("x" = 2).
CH9	patch	2	DMX channel n+1	
		3	DMX channel n+2	
		4	DMX channel n+3	
	Static output	0	no change	Each output channel can be set to a static
CH10	1	1	output off	intensity.
	-	2255	intensity 2255	
	Static output	0	no change	If no DMX is present and Static behavior is set to
CH11	2	1	output off	"load static values". The outputs will be set to th
	-	2255	intensity 2255	configured intensity values.
	Static output	0	no change	
CH12	3	1	output off	
		2255	intensity 2255	
	Static output	0	no change	
CH13	Static output 4	1	output off	
	4	2255	intensity 2255	
CH14	Load default	0	no change	This function resets all settings to the Factory
CH14	settings	1	Load Factory settings.	setting.

	Number of DMX channels needed			
LED colour	1	2	3	4
Single colour	~			
Tunable White		×		
ColourFlow				×



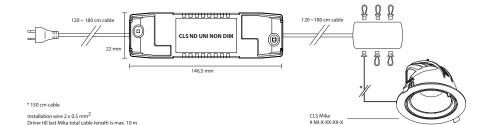


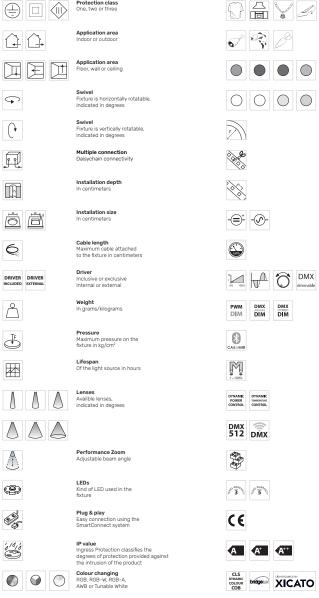
WIRING DIAGRAM UNI DALI DRIVER

LIST OF SYMBOLS

Always switch off mains power of the driver before connecting any fixtures!

CLS ND UNI, non dim, 300-1050mA driver 22 x 146,5 x 43,5 mm (hxwxd)





Protection class

One, two or three

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Colour Available colours; \bigcirc Amber, blue, red or green White colour temperature \bigcirc 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 (BALL) 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 EL Energy label Lightsource Equipped with a CLS, Bridgelux or a Xicato LED module

Retail & Food LED modules

shoes, bread, meat, fish and

vegetables & fruit.

Clothing, furniture, kitchens, jewellery,

6)

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