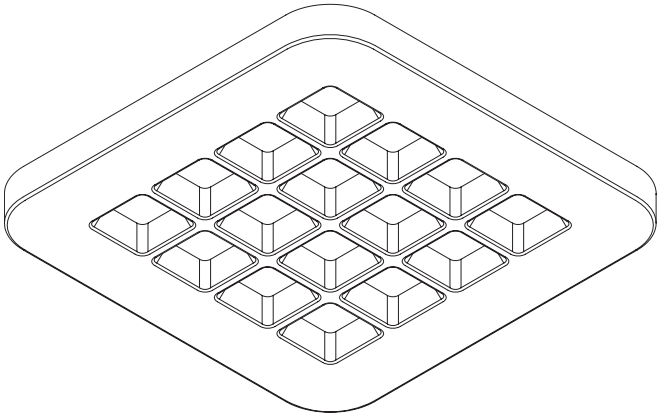




Index	2	Installation	4	Wiring diagram DALI dim drivers	9
Safety information	2	Wiring diagram Non dim drivers	5	Wiring diagram LDC-41 dimmer	10
Content	2	Wiring diagram Mains dim drivers	6	List of symbols	11
Technical	3	Wiring diagram 1-10V dim drivers	7		
Specifications	3	Wiring diagram Casambi Bluetooth	8		



SAFETY INFORMATION

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

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

Do not stare into the LED

Ambiance Max. 40°

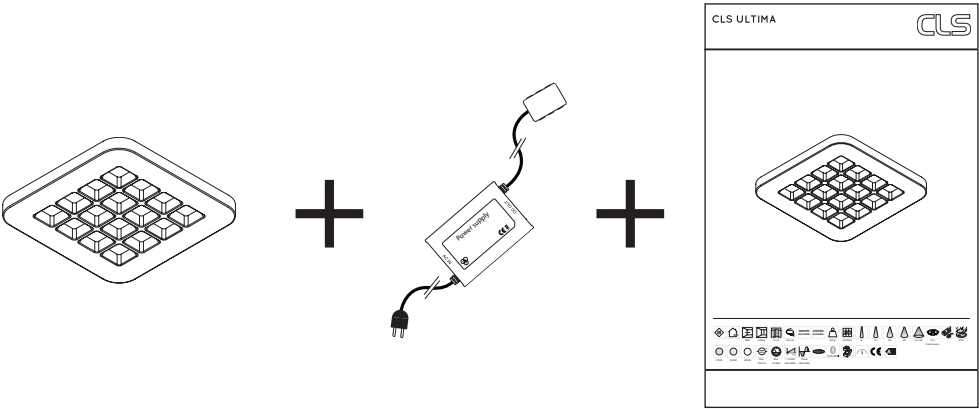
Qualified technician

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



Wall

Ceiling

10 cm

150 cm

DRIVER INCLUDED

DRIVER EXTERNAL

450 gr

50.000 h

8°

12°

30°

60°

12 x 46°

16 x Cree/Luxeon

IP20

2700K

3000K

5000K

Max. 700 mA

Max. 20 Watt

1-10V dimmable

Phase dimmable

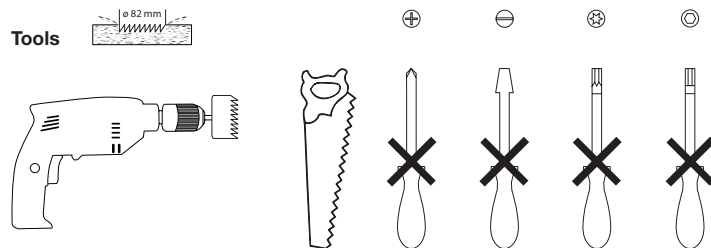
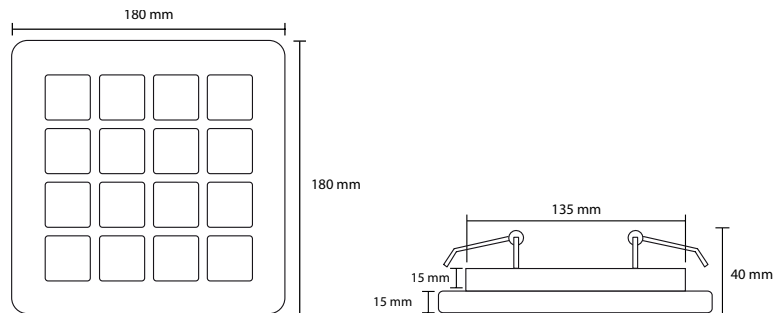
DALI

CASAMBI

3 YEARS WARRANTY

CE

A



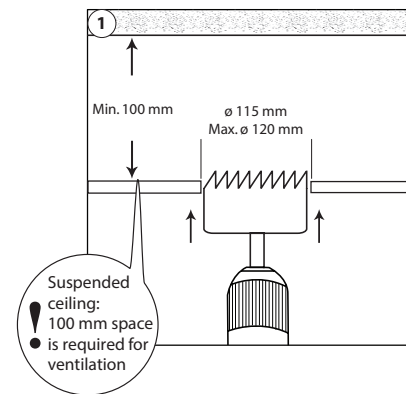
SPECIFICATIONS

LED: 16 x Cree or Luxeon
Available colours: 2700K, 3000K & 5000K.
Lenses: 8°, 12°, 30°, 60° & 12 x 46°
Power supply: Max. 700mA
Power consumption: Max. 20 Watt
Housing: PC / ABS
Weight: 450 gr
IP value: IP20
Measurements: 40 x 180 x 180mm (h x w x d)
Ambient temperature: -10° C till +40° C

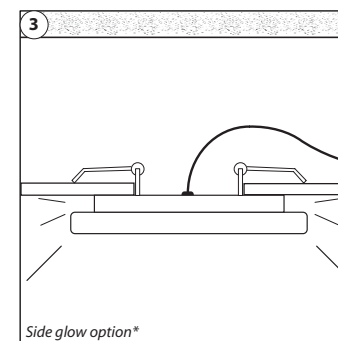
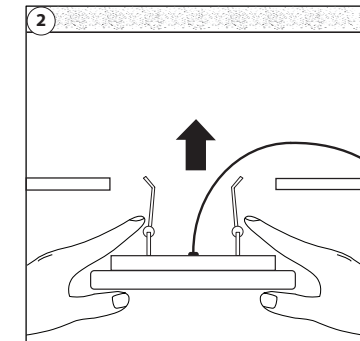
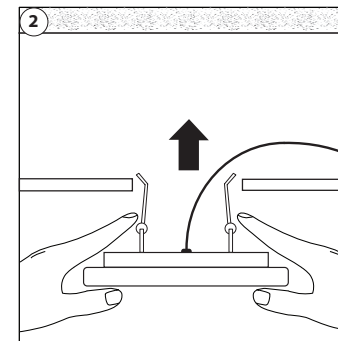
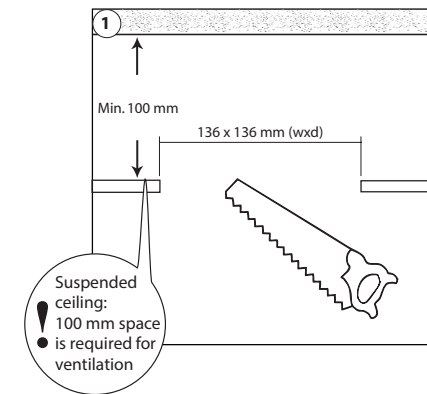
ACCESSORIES

113002 CLS LDC-41 GIII DMX LED dimmer 4 Ch. 0.35-1A per channel
87129900 CLS SmartConnect 2-fold junctionbox & shortcircuit connect.
87129905 CLS SmartConnect 6-fold junctionbox & shortcircuit connect.
87129915 CLS SmartConnect short circuit plugs (10pcs)
87129959 CLS SmartConnect extensioncable betw. 2 junctionboxes
872010 CLS Dimmer electr. 1-10V
872019 CLS Dimmer Jung phase cut max. 270VA 230-240VAC
874004 CLS ND 004 non dim, 198 - 264 V, 250-1050mA driver
874003 CLS ND UNI non dim driver, 220 - 240 V, 300-1050mA driver
874104 CLS MD 004 mains dim, 198-264V, 250-700mA driver
874201 CLS VD 001, 1-10V dim, 99-264 V, 350-900mA driver
874204 CLS VD 004, 1-10V dim, 99-264 V, 350-900mA driver
874208 CLS VD 008, 1-10V dim, 99-264 V, 250-700mA driver
874301 CLS DD 001, DALI dim, 99-264 V, 250-700mA driver
874304 CLS DD 004, DALI dim, 99-264 V, 350-700mA driver
875014 CLS CD UNI driver, 230V, Casambi Bluetooth control, 300-700mA driver
911367 CLS LDC SmartConnect block LDC to SmartConnect system

OPTION 1

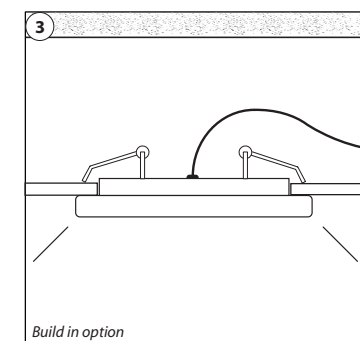


OPTION 2



Side glow option*

* Only when transparent back is selected.

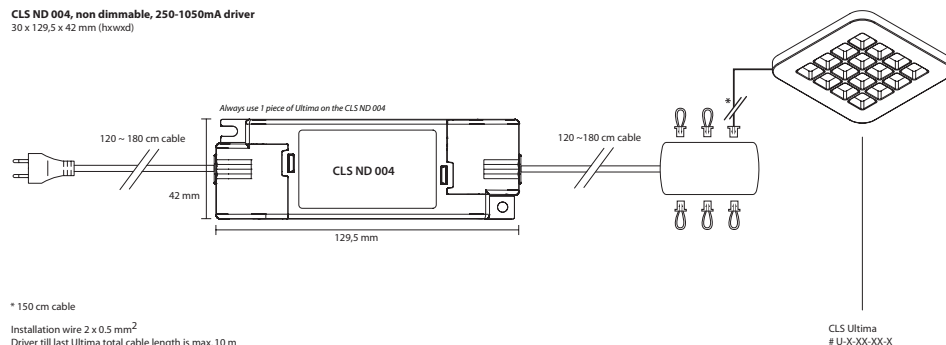


Build in option

WIRING DIAGRAM NON DIM DRIVER

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

CLS ND 004, non dimmable, 250-1050mA driver
30 x 129,5 x 42 mm (h x w x d)



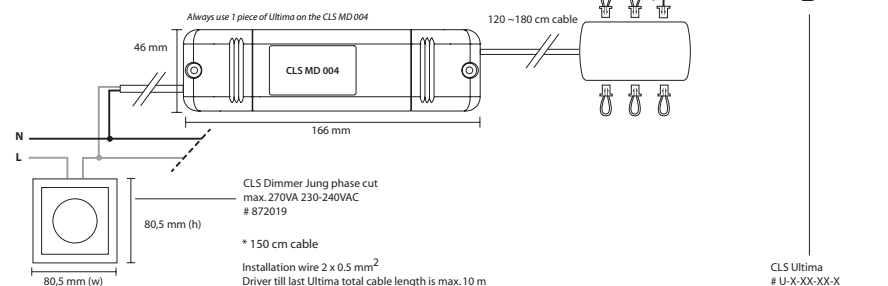
* 150 cm cable
Installation wire 2 x 0.5 mm²
Driver till last Ultima total cable length is max. 10 m

WIRING DIAGRAM MAINS DIM DRIVER

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

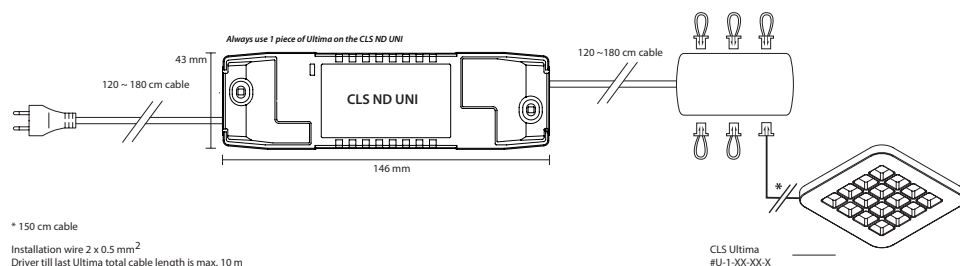
CLS MD 004, mains dimmable, 250-700mA driver
34 x 166 x 46 mm (h x w x d)

Max. 12 pieces of MD 004 on
1 CLS dimmer Jung phase-cut



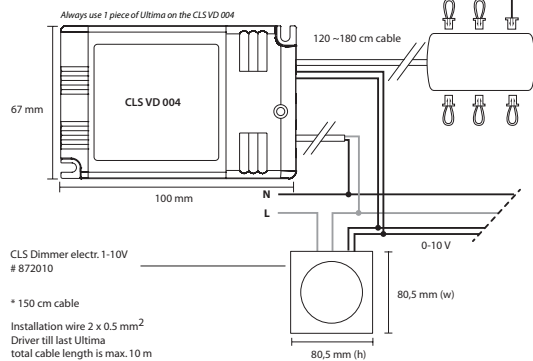
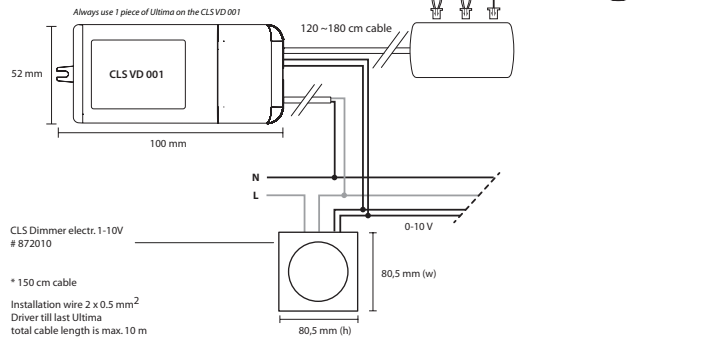
* 150 cm cable
Installation wire 2 x 0.5 mm²
Driver till last Ultima total cable length is max. 10 m

CLS ND UNI, non dimmable, 300-1050mA driver
22 x 146 x 43 mm (h x w x d)

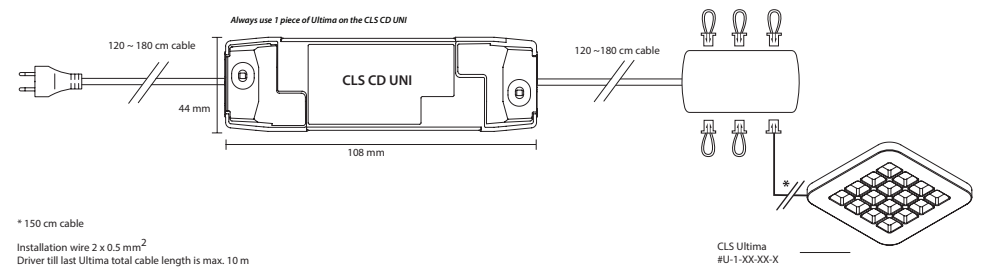
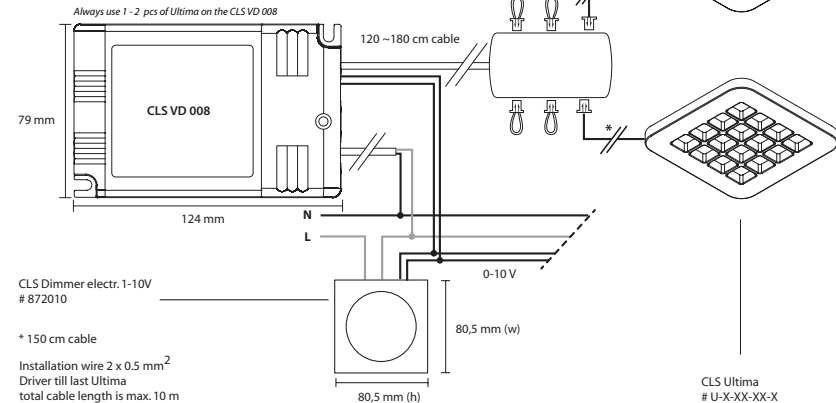


* 150 cm cable
Installation wire 2 x 0.5 mm²
Driver till last Ultima total cable length is max. 10 m

!



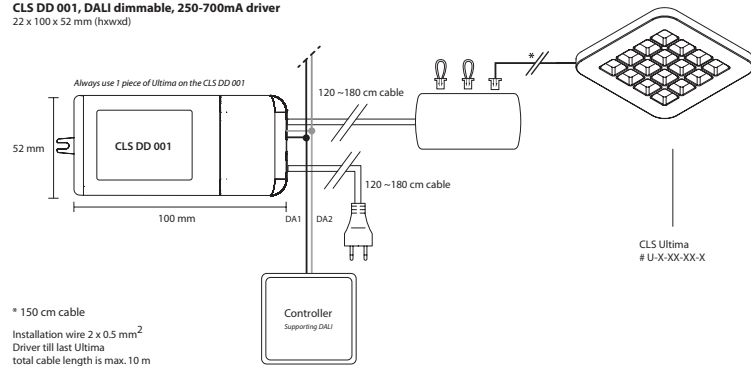
!



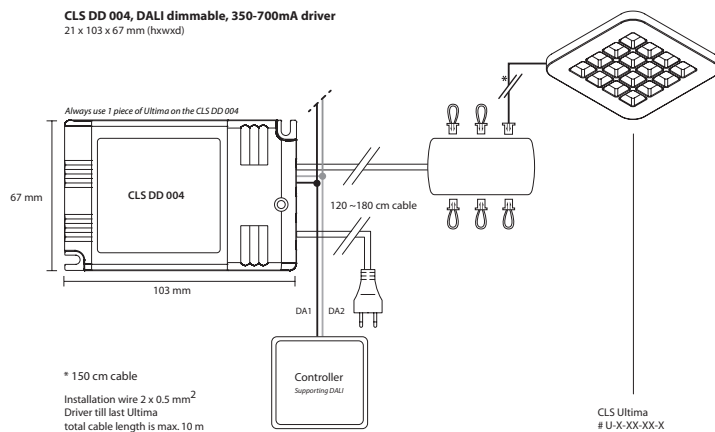
WIRING DIAGRAM DALI DIM DRIVER

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

CLS DD 001, DALI dimmable, 250-700mA driver
22 x 100 x 52 mm (h x w x d)



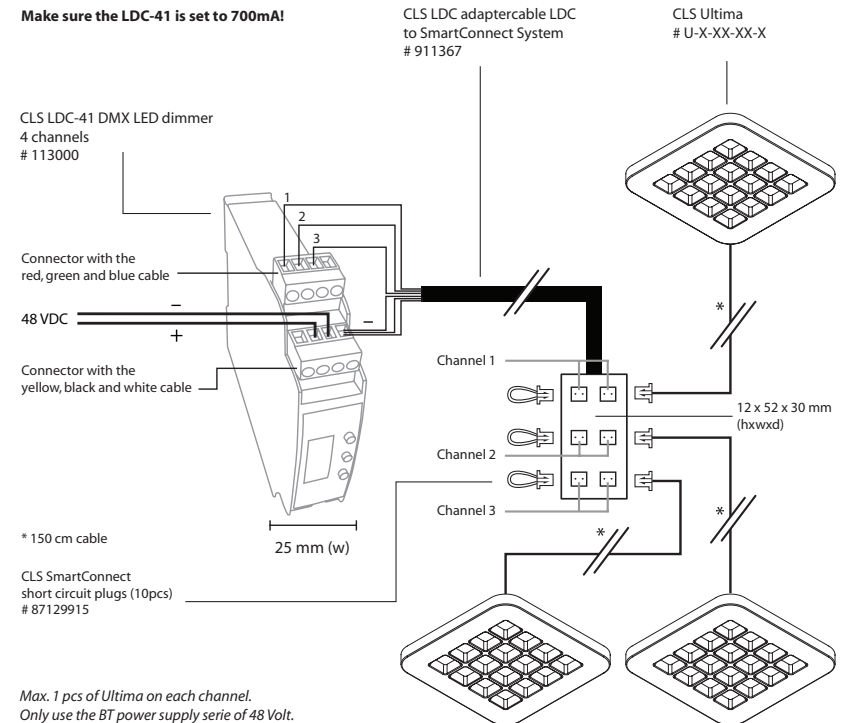
CLS DD 004, DALI dimmable, 350-700mA driver
21 x 103 x 67 mm (h x w x d)



WIRING DIAGRAM LDC-41 DIMMER

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

Make sure the LDC-41 is set to 700mA!



SmartConnect System
Installation wire 2 x 0.5 mm²
Driver till last Ultima total cable length is max. 10 m

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

2025 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