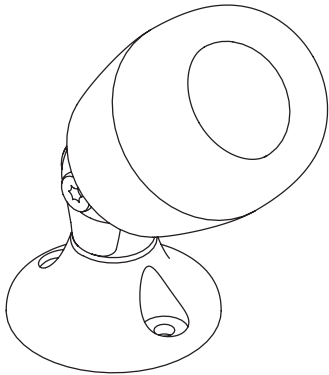




Index	2	Focus extension pipe	5	Wiring diagram DALI dim drivers	14
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Content	2	Wiring diagram Non dim drivers	9	Zoom function	16
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SAFETY INFORMATION

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

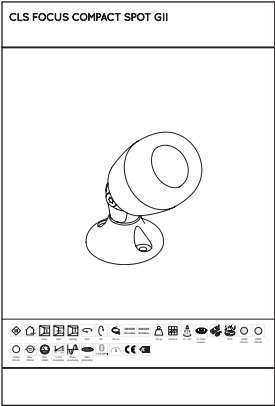
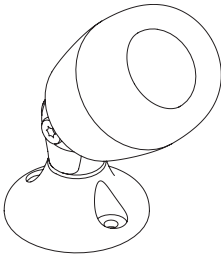
Don't modify or install genuine parts on this product

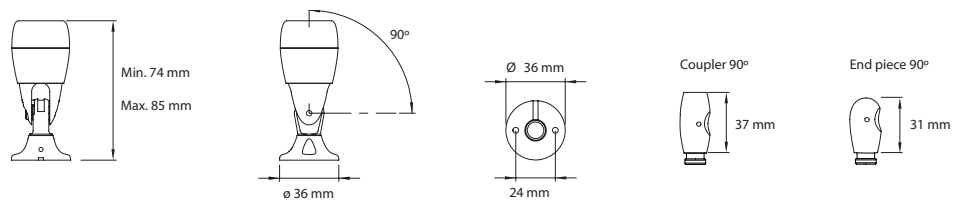
Don't install in a flammable or explosive area

Warning! Some surfaces can be hot

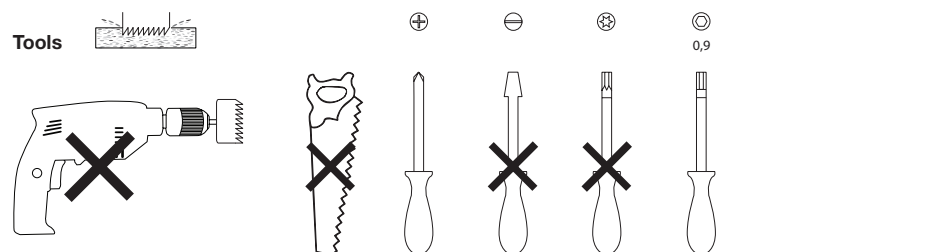
CONTENT

58050-FC1



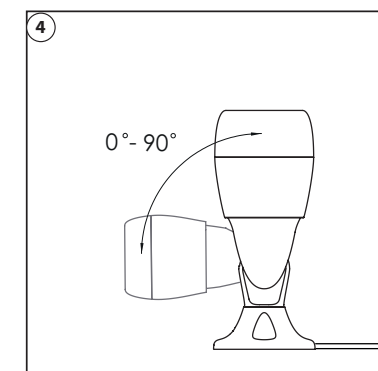
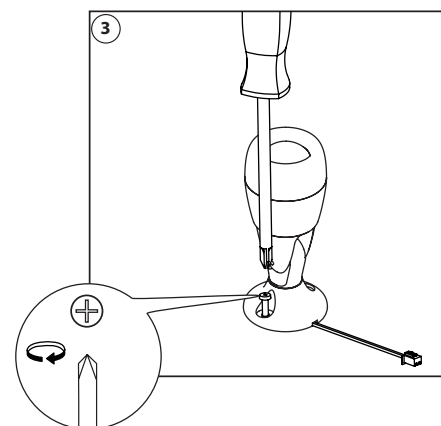
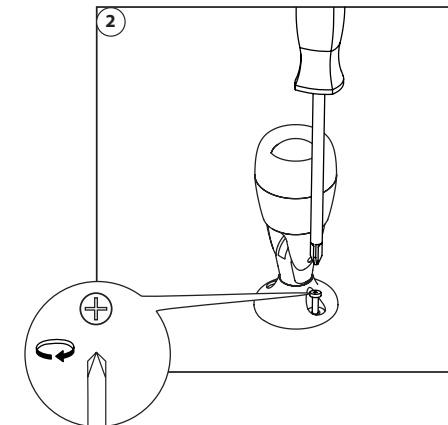
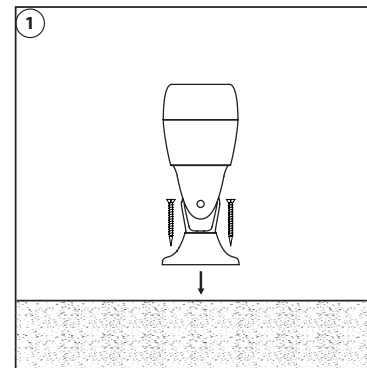


Tools

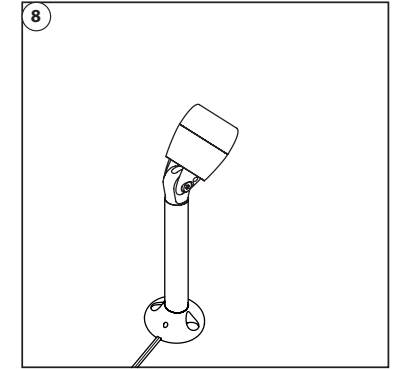
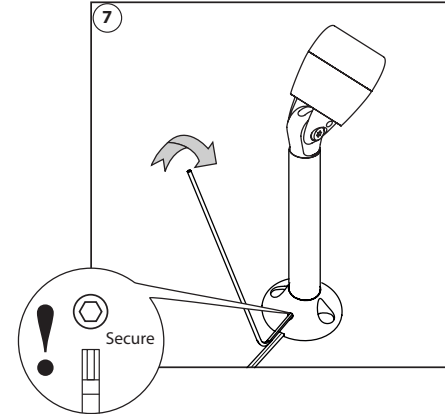
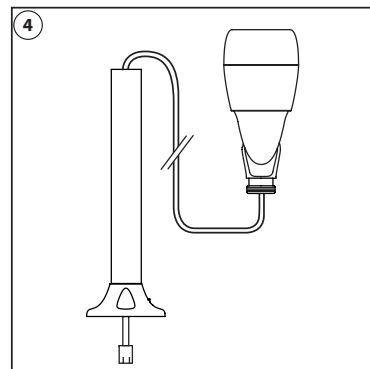
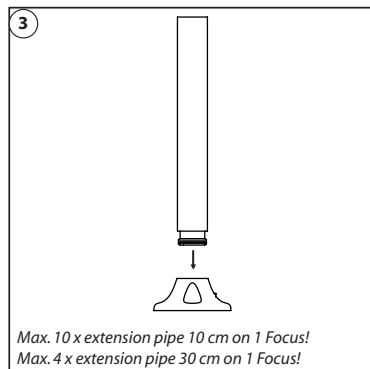
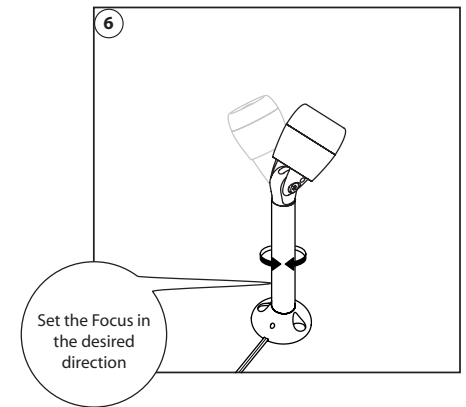
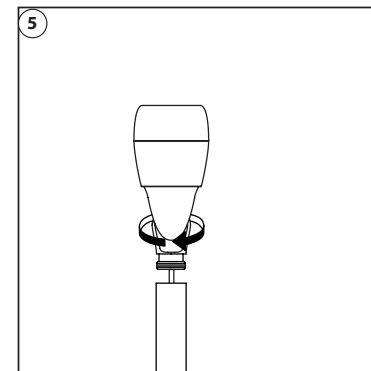
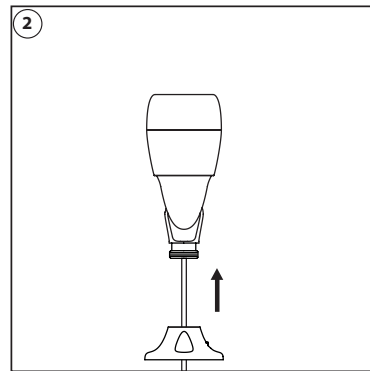
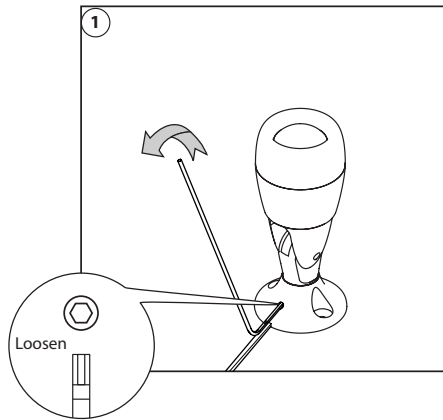


SPECIFICATIONS

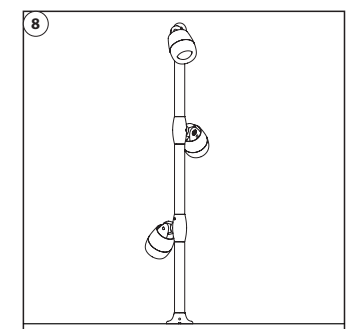
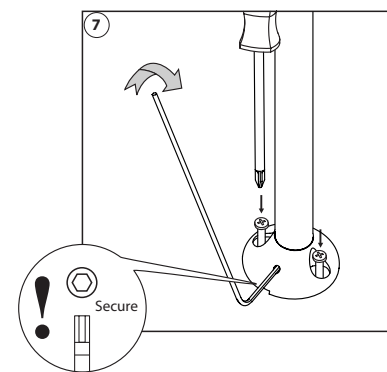
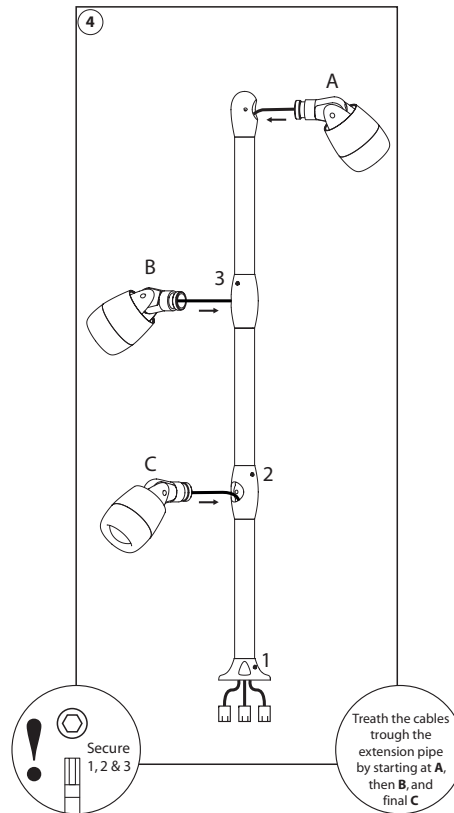
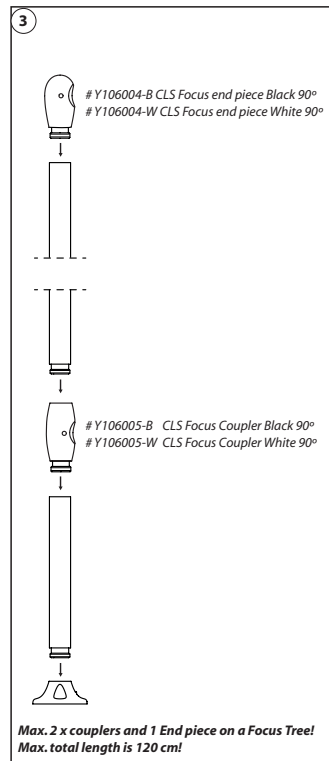
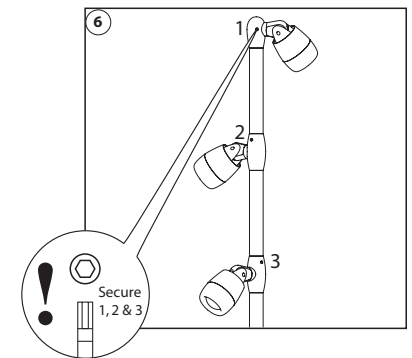
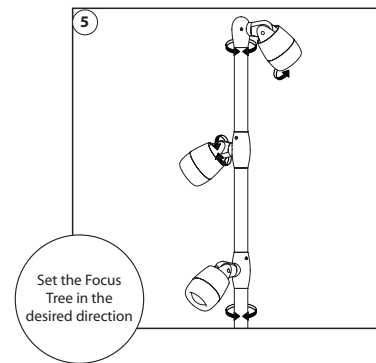
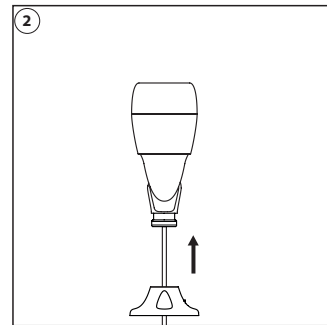
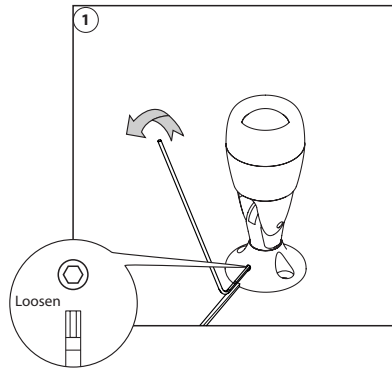
LED:	1 x Luxeon / Cree
Available colours:	CRI=95: 2700K, 3000K & 4000K
Beam angle:	13° to 65°
Power supply:	Max. 700mA
Power consumption:	Max. 4 Watt
Housing:	Black Aluminum brushed White coated
Weight:	135 gr
IP value:	IP20
Cable length:	150 centimeter
Measurements:	ϕ 36 x 85 mm (exh)
Ambient temperature:	-10° C till +40° C



EXTENSION PIPE



FOCUS TREE



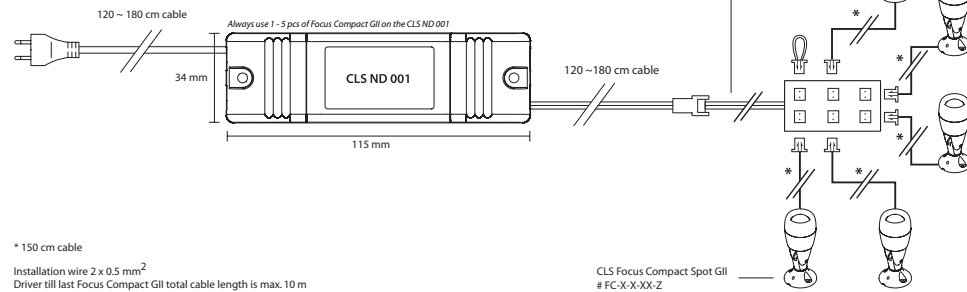
WIRING DIAGRAM NON DIM DRIVERS



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

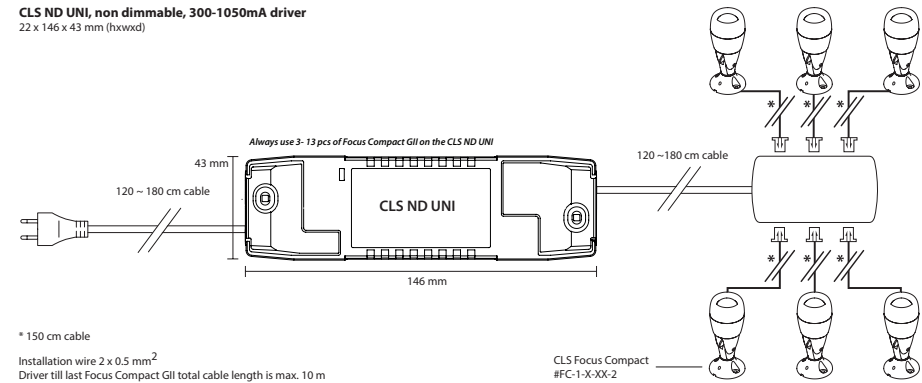
CLS ND 001, non dimmable, 700mA driver
19 x 115 x 34 mm (hxxwxd)

CLS SmartConnect
6-fold junction box
87129905

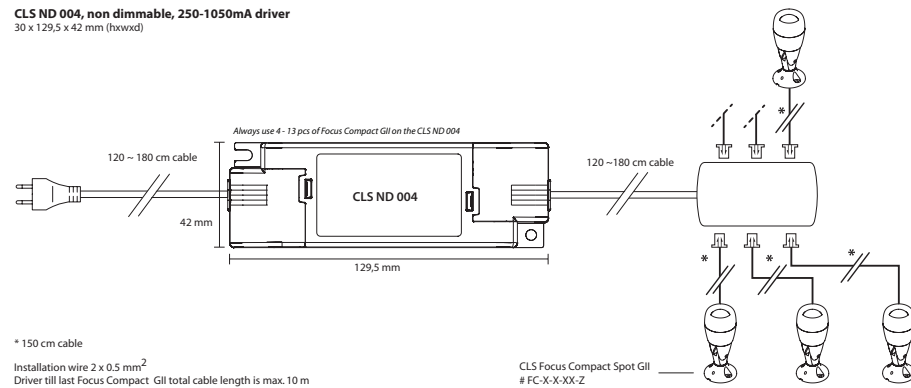


Always switch off mains power of the driver before connecting any fixtures!

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



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

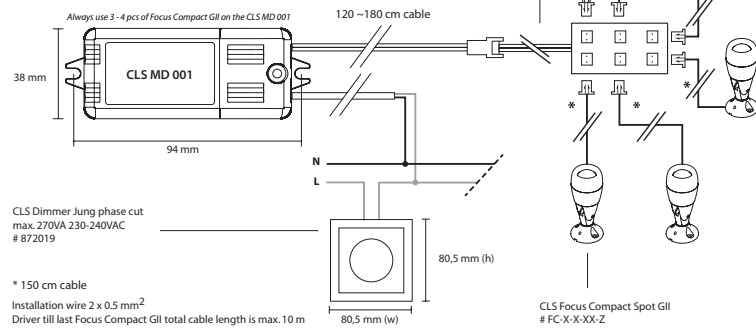


WIRING DIAGRAM MAINS DIM DRIVERS

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

CLS MD 001, mains dimmable, 700mA driver
21 x 94 x 38 mm (h x w x d)

Max. 12 pieces of MD 001 on
1 CLS dimmer Jung phase-cut

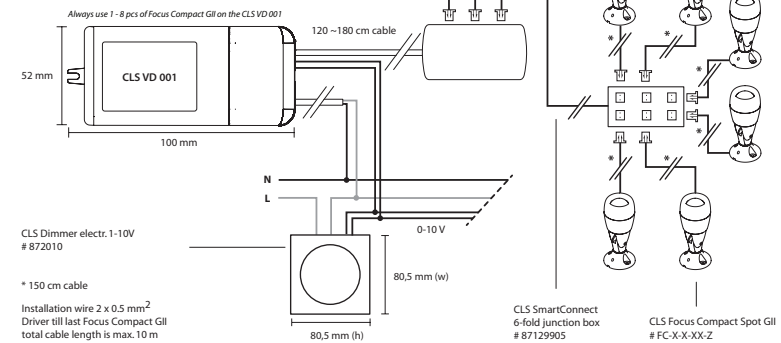


WIRING DIAGRAM 1-10V DIM DRIVERS

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

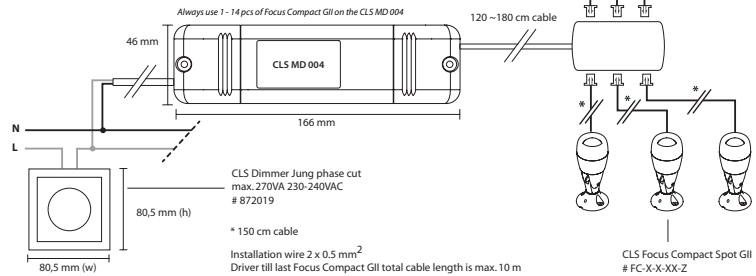
CLS VD 001, 1-10V dimmable, 350-900mA driver
22 x 100 x 52 mm (h x w x d)

Max. 12 pieces of VD 001 on
1 CLS Dimmer electr. 1-10V



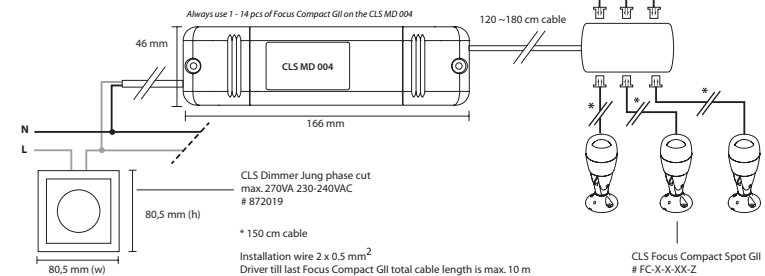
CLS MD 004, mains dimmable, 250-700mA driver
34 x 166 x 46 mm (h x w x d)

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



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



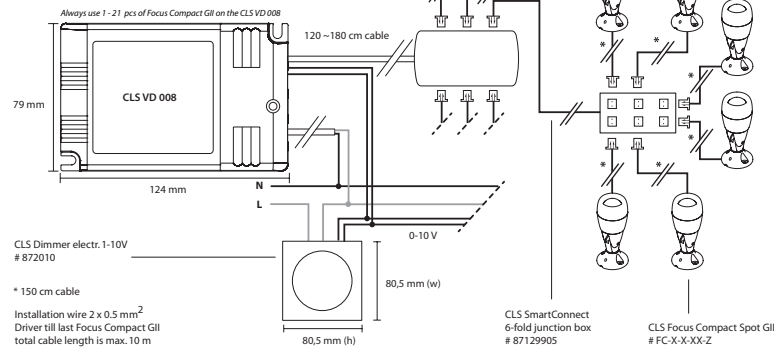
WIRING DIAGRAM DALI DIM DRIVERS

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

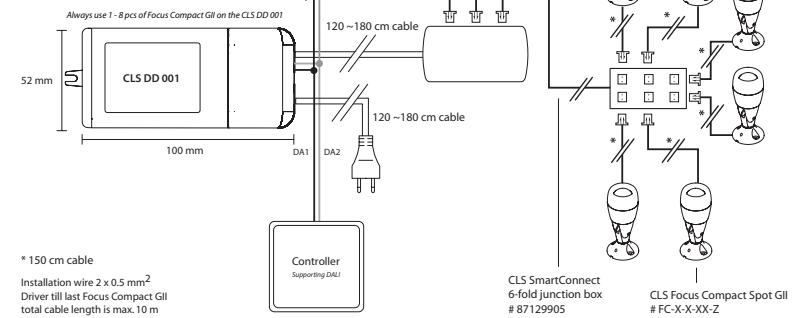
! Always switch off mains power of the driver before connecting any fixtures!

CLS VD 008, 1-10V dimmable, 250-700mA driver
22 x 124 x 79 mm (hxxwxd)

Max. 12 pieces of VD 008 on
1 CLS Dimmer electr. 1-10V

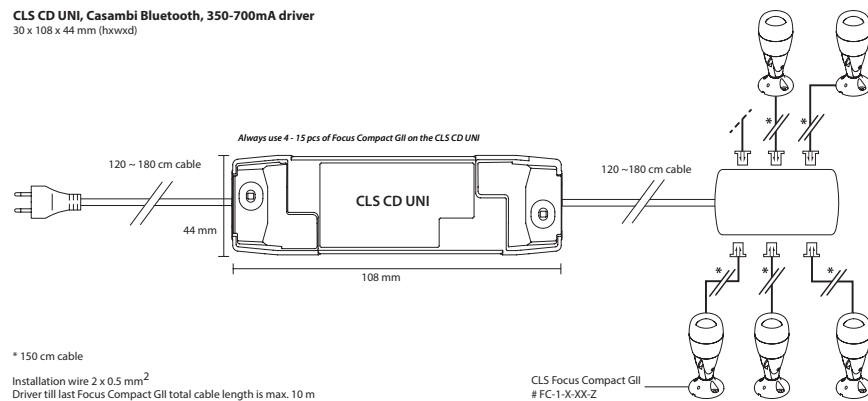


CLS DD 001, DALI dimmable, 250-700mA driver
22 x 100 x 52 mm (hxxwxd)

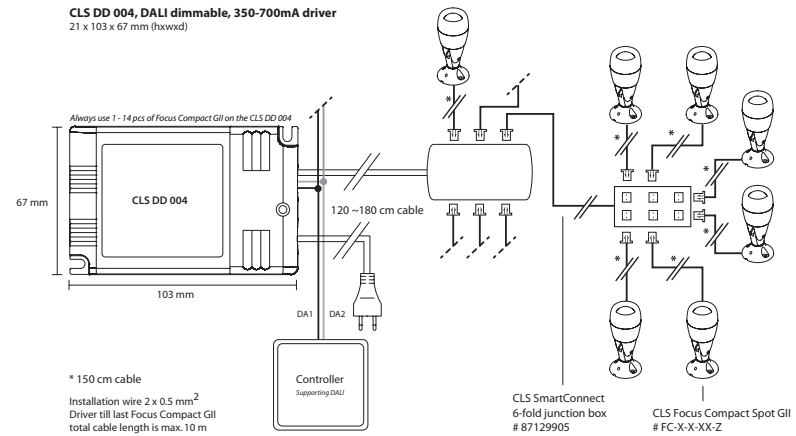


WIRING DIAGRAM CASAMBI BLUETOOTH CONTROL

CLS CD UNI, Casambi Bluetooth, 350-700mA driver
30 x 108 x 44 mm (hxxwxd)



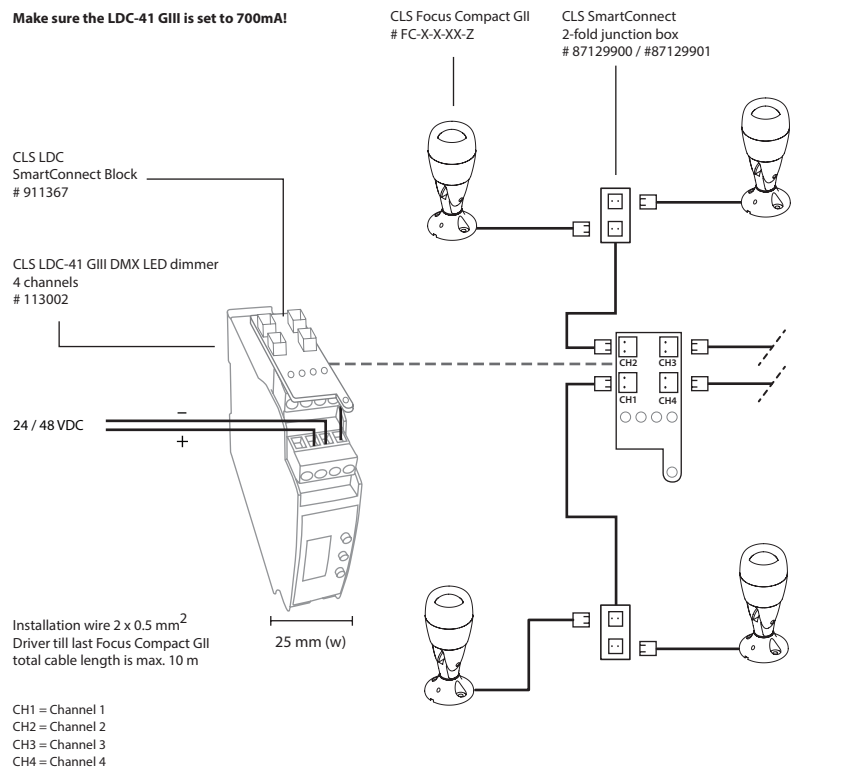
CLS DD 004, DALI dimmable, 350-700mA driver
21 x 103 x 67 mm (hxxwxd)





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

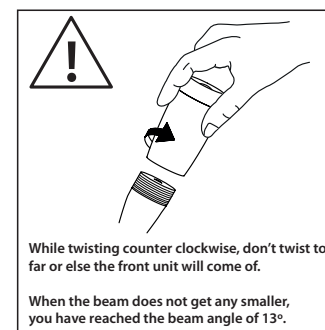
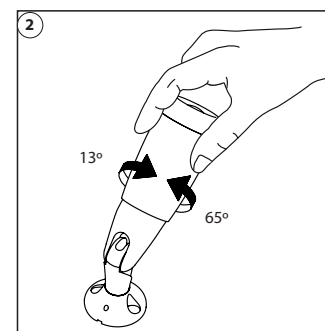
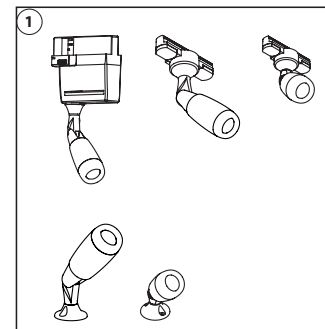
Make sure the LDC-41 GIII is set to 700mA!



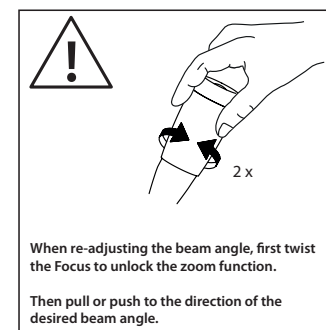
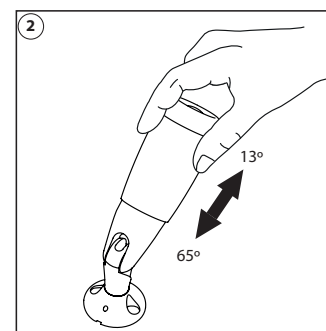
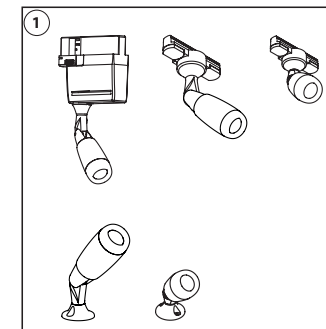
24 VDC powersupply: Min. 2 and max. 6 pcs on each channel
48 VDC powersupply: Min. 7 and max. 12 pcs on each channel

Also select the correct BT powersupply according to the consumed power

Twist system
Applied on the black Focus



Pull & Push system
Applied on the white Focus



ACCESSORIES

ACCESSORIES

113002	CLS LDC-41 GIII DMX LED dimmer 4 channels 0.35-1A per channel
87129900	CLS SmartConnect 2-fold junction box & shortcircuit connect.
87129901	CLS SmartConnect 2-fold junction box with 5 metre cable
87129905	CLS SmartConnect 6-fold junction box & shortcircuit connect.
87129915	CLS SmartConnect short circuit plugs (10pcs)
872010	CLS Dimmer electr. 1-10V for MT35/MTD44 LED driver
872019	CLS Dimmer Jung phase cut max. 270VA 230-240VAC
874001	CLS ND 001 non dim, 100 - 240 V, 700mA driver
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
874101	CLS MD 001 mains dim. 198-264V, 700mA 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, 230 V, Casambi Bluetooth control, 300-700mA driver
911367	CLS LDC SmartConnect block LDC to SmartConnect system
Y106000	CLS Focus extension pipe 10 cm black
Y106001	CLS Focus extension pipe 10 cm white
Y106002	CLS Focus extension pipe 30 cm black
Y106003	CLS Focus extension pipe 30 cm white
Y106004-B	CLS Focus end piece black 90°
Y106004-W	CLS Focus end piece white 90°
Y106005-B	CLS Focus coupler black 90°
Y106005-W	CLS Focus coupler white 90°
Y106010	CLS Focus snoot GII half cut black
Y106013	CLS Focus snoot GII half cut white
Y106012	CLS Focus snoot GII half cut black
Y106014-B	CLS Focus snoot GII black
Y106014-W	CLS Focus snoot GII white

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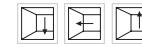
LIST OF SYMBOLS



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
Available 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



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



Magneo 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, Citizen or a Xicato LED module