

MÜNSTER-205NW

Ordernr: A0130071






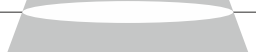
Lamp type: recessed down-light
 1x 34 W neutral-white (Cree XP-G) LED 4000K
 Typical Luminous Flux: 2810Lm
 Typical forward Voltage Vf: 36V
 CRI: 85
 UGR: <19 Typical Luminous
 Beam angle reflector: 80°
 Operating Power: constant current 900-950mA

Housing: solid Aluminum
 Reflector: Aluminum/anti-glare
 Cover Ring: PMMA White
 Weight: 1.9 Kg
 Dimensions fixture: ø230 x 95 mm
 Classification: IP-44 (indoor rated) Class III
 Cable length: 480mm
 Excluded (external) LED-driver
 IES-Files available



Fixture will be delivered included Cover Ring PMMA White

Separate available:
A9930571 Cover Ring:PMMA Black
A9930573 Cover Ring:PMMA Silver grey

Height	Münster-205 70°	Øm	Neutral-white
1m		0.84	1472 Lx
2m		1.68	368 Lx
3m		2.52	164 Lx
4m		3.36	92 Lx
5m		4.20	59 Lx
6m		5.04	41 Lx

Optional LED Drivers:

Always disconnect the mains of the LED driver before plugging or unplugging the LED's !!
 The LED's will be damaged or destroyed because of the high voltage present on the driver output when there is no load connected. **Connect the main after all Led's and plugs are connected !**

A9950011 LED dimmable PWM-Driver (1-10V & Push dim)

• Max. load: 1x Münster-205WW (see drawings page 2+3)



A9950044 EldoLED PowerDrive-50W (PWR0562 A1)

• Max. load: 1x Münster-205WW (see drawings page 4)

The constant current output is standart set to 350mA
 For setting the Driver to 950mA or other settings, the toolbox Pro A9915056 is required

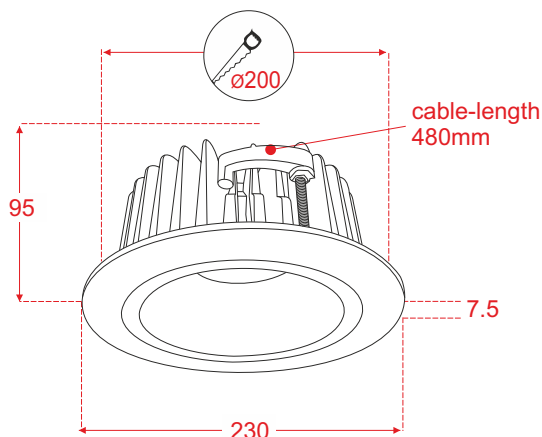


A9950045 Powerdrive AC Constant current 100W LED Driver (DMX-512 / Dali)

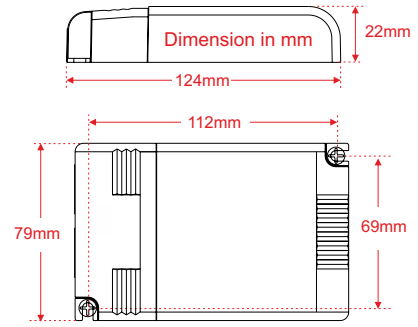
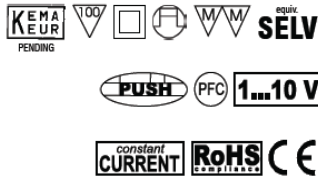
• Max. load: 2x Münster-205WW (see drawings page-5)



Dimensions in mm

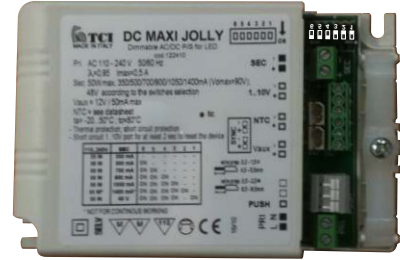


A9950011 LED dimmable driver universal max 50W
 Multi-power driver with dip-switch for output-selection
 (constant direct current or 48V constant direct voltage)
 Dimmable 1-10V, 100K potentiometer or Pusch button
 Prim.Voltage: AC 110V~240V 50~60Hz
 Power factor λ : =0.95 / Lmax: 0.5A
 Sec.: 350-1050mA OR 48V (see dip-switch setting)
 Vomax = 90V
 ta °C: -20° +50° tc °C: 80°
 Protection against overheating, short ciquit & overloads
 Dimension L x W x H (mm): 124 x 79 x 22
 Weight: 0.2 Kg Protection: IP-20 Class II



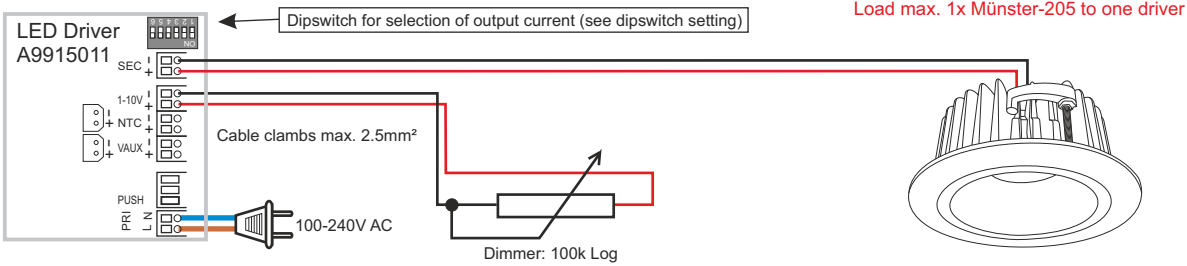
Dip-switch setting for direct constant current output-selection

SEC:	Micro-switch setting						Input Voltage: 110..127VAC		Input Voltage: 220..240VAC		ta max.
	6	5	4	3	2	1	Max load:	Vf:	Max load:	Vf:	
350mA	—	—	—	—	—	—	25W	2..74V	25W	2..74V	50°
500mA	ON	—	—	—	—	—	35W	2..72V	35W	2..72V	50°
550mA	—	ON	—	—	—	—	39W	2..72V	39W	2..72V	50°
650mA	ON	—	—	ON	—	—	40W	2..72V	46W	2..72V	50°
700mA	ON	ON	—	—	—	—	40W	2..71V	50W	2..71V	50°
750mA	—	ON	ON	—	—	—	40W	2..66V	50W	2..66V	50°
850mA	ON	—	—	—	ON	—	40W	2..58V	50W	2..58V	45°
900mA	ON	ON	ON	—	—	—	40W	2..55V	50W	2..55V	45°
1050mA	ON	ON	ON	ON	—	—	40W	2..48V	50W	2..48V	45°

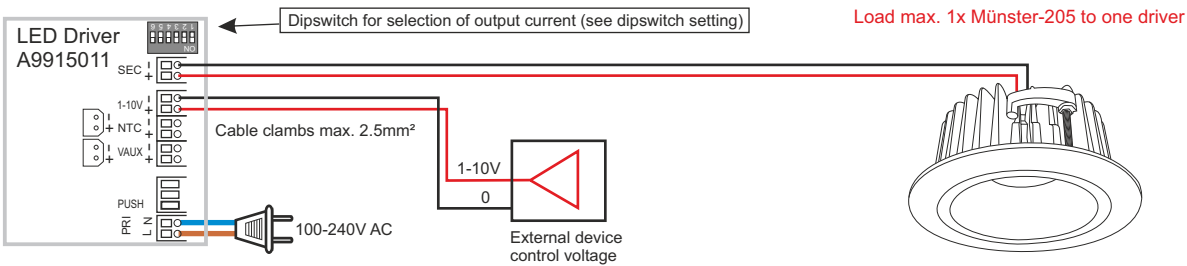


Always disconnect the mains of the LED driver before plugging or unplugging the LED's !!
 The LED's will be damaged or destroyed because of the high voltage present on the driver output
 when there is no load connected. Connect the main after all Led's and plugs are connected !

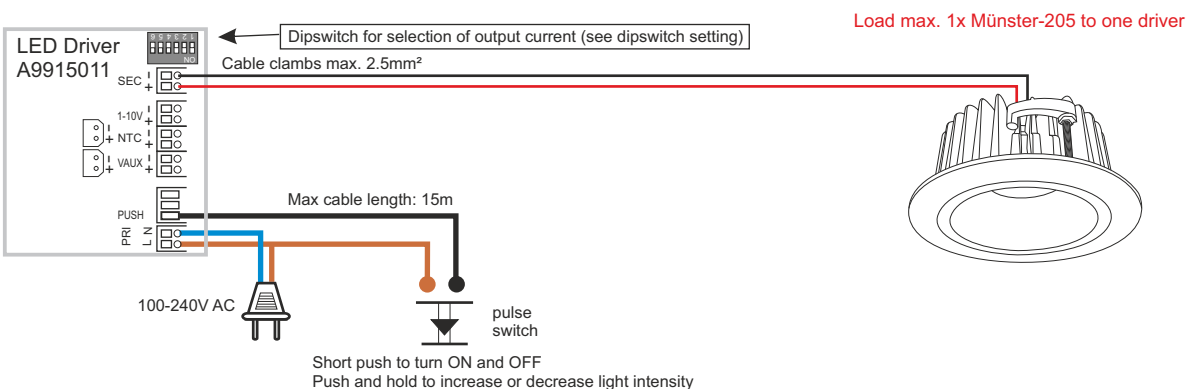
Constant Current connection with dimmer



Constant Current connection with control voltage function



Constant Current connection with push dimming function



Connection with pulse-switch for max. 10 LED drivers

Push button (Pulse switch) function

By pressing the push button for less than one second the LEDs turn on or off.
By pressing the push button for more than one second the light intensity of the LEDs is dimmed according to the following modalities:

- If the light intensity is not at maximum, by pressing the key there will be an increase of this to maximum or to the corresponding level at the moment the key is released.
- A further pressure on the key inverts the dimming direction to the minimum value or to the corresponding level at the moment the key is released.
- If light intensity is at maximum by pressing the key there will be a decrease to the minimum value or to the corresponding level at the moment the key is released.

Function synchronization during dimming of more than one ballast is possible by means of the sync gates. In this way there is the same light intensity (with the same connected led load) among all the connected ballasts.

This possibility is highly recommended when more than one ballast needs to be controlled by one push button (see the diagram).

N.B.:

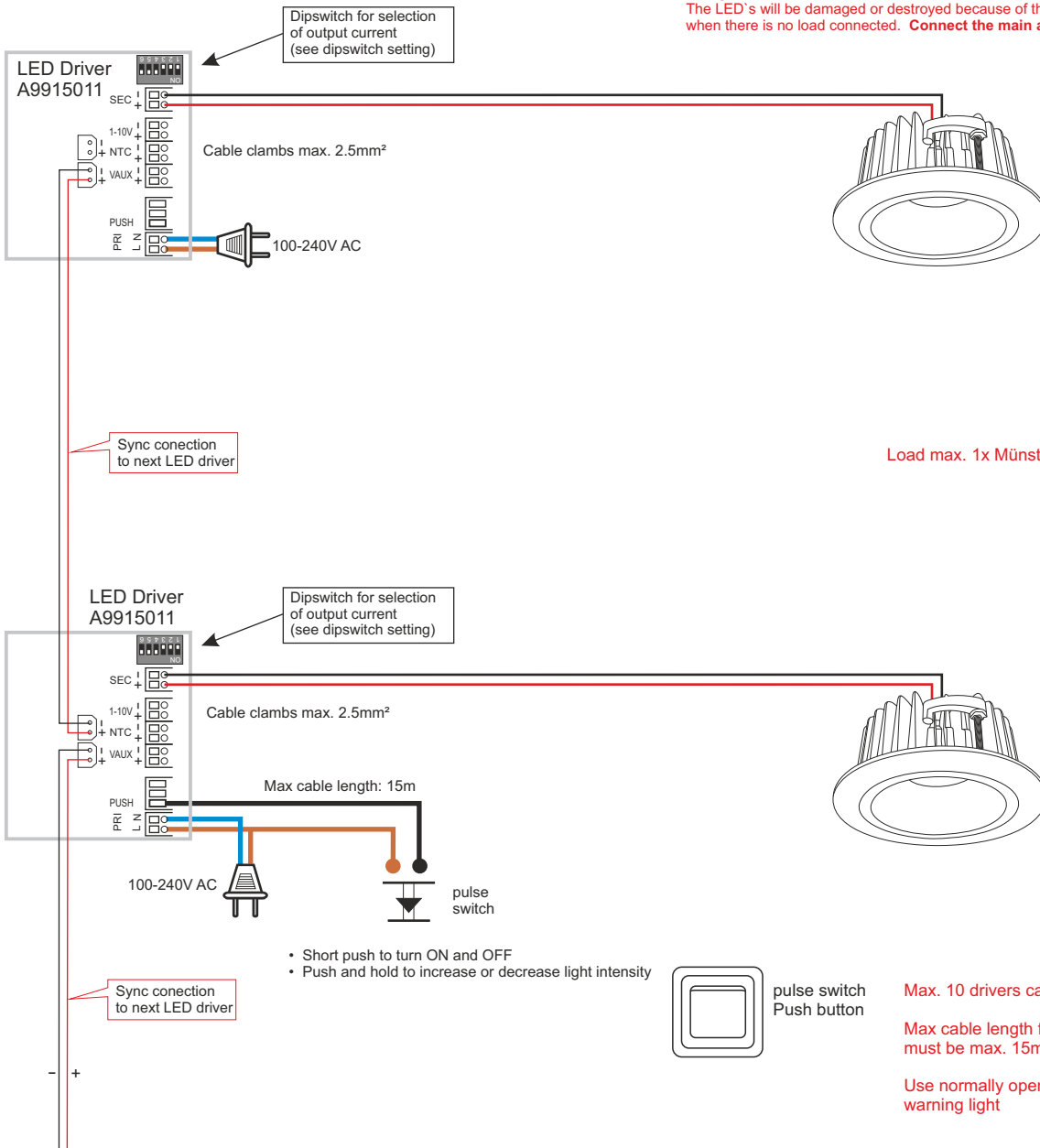
The use of the push button inhibits the use of the 1...10 V signal. To return to use of the 1...10 V signal keep the signal less than 0,5 V for at least 2 seconds.

Dip-switch setting for direct constant current output-selection

SEC:	Micro-switch setting						Input Voltage: 110..127VAC		Input Voltage: 220..240VAC		ta max.
	6	5	4	3	2	1	Max load:	Vf:	Max load:	Vf:	
350mA	—	—	—	—	—	—	25W	2..74V	25W	2..74V	50°
500mA	ON	—	—	—	—	—	35W	2..72V	35W	2..72V	50°
550mA	—	ON	—	—	—	—	39W	2..72V	39W	2..72V	50°
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850mA	ON	—	—	—	ON	—	40W	2..58V	50W	2..58V	45°
900mA	ON	ON	ON	—	—	—	40W	2..55V	50W	2..55V	45°
1050mA	ON	ON	ON	ON	—	—	40W	2..48V	50W	2..48V	45°

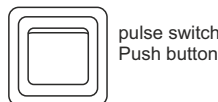


Always disconnect the mains of the LED driver before plugging or unplugging the LED's !!
The LED's will be damaged or destroyed because of the high voltage present on the driver output when there is no load connected. **Connect the main after all LED's and plugs are connected !**



Load max. 1x Münster-205 to one driver

- Short push to turn ON and OFF
- Push and hold to increase or decrease light intensity



Max. 10 drivers can be controlled by one push button
Max cable length from push button to last driver must be max. 15m !!
Use normally open push button with no incorporated warning light

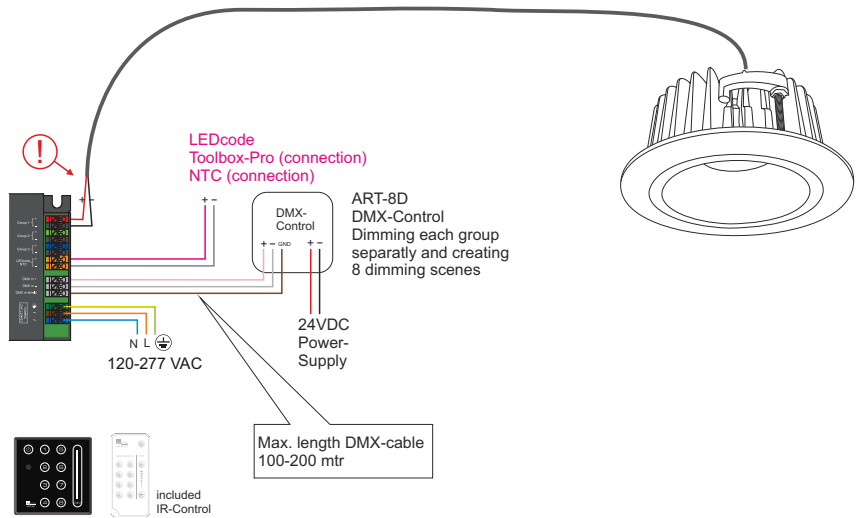
E Dimmable with EldoLED
3-channel Driver and DMX-controller



A9950044 EldoLED PowerDrive-50W (PWR0562 A1)
3 separately Dimmable LED outputs
controllable by 3 DMX-Adresses
The constant current output is standart set to 350mA

For setting the Driver to 950mA or other settings,
the toolbox Pro A9915056 is required

- ⚠ Load max. 1x Münster to one driver.
- To avoid damages to the LED, all cables & plugs must be connected before switching on the power !

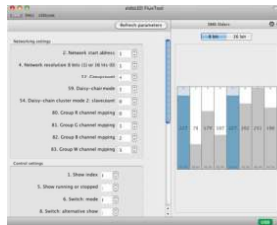


Up to 8 DMX-channels (LED-Groups)
can be controlled by one ART-8D DMX-Controller
Each group can be dimmed separately
and 8 custom dimming scenes can be recorded

Toolbox pro



A9915056 Toolbox
FluxTool software for all eldoLED drivers in
combination with the new TOOLbox pro you can:
1. set DMX parameters (incl. current settings)
2. test DALI functionality
3. program the driver via LEDcode interface
(including current settings / dim curve choice)
Download for Mac and PC www.eldoled.com/fluxtool
& download product-sheets for EldoLED driver compatibility



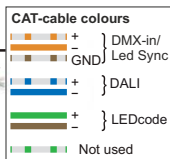
Configuration and control via **DMX Menu**
DMX Parameter configuration
8 DMX slider for testing the Luminaire



Control via **DALI Menu**
1 slider to set the intensity for all Dali groups
4 sliders to set the intensity of 1-4 Dali groups

Connecting the TOOLbox pro

- off ● no DALI power
- 50% ● DALI power
- 100% ● DALI activity
- off ● LEDcode not connected, no LEDcode/DMX activity
- 50% ● LEDcode connected, no LEDcode/DMX activity
- 100% ● LEDcode or DMX activity
- Blinking ●+● TOOLbox pro connection error to computer



Configuration and control via **LEDcode Menu**
Allows to set the current for each output-channel
from 200mA up to 1050mA, in 1mA steps.
Minimum dimming-level setting 0.1% up to 100%
NTC throttling temperature thermistor setting.

Connection with A9950045 Powerdrive AC Constant current 100W LED Driver (DMX-512 / Dali)

- Max. load: 2x Münster-205NW (see drawing below)
- Power factor: > 0.94
- **DALI, DMX / RDM, LedSync and 0-10V compatible**
- Hybrid HydraDrive: 20-bit resolution
- Dimming control: smooth dimming from 100% to 0.1%, gamma-corrected curve
- High efficiency over a wide power and voltage range: 90% at full load, ≥ 87% above 50W output
- Maximum (rated) power available over wide LED voltage (30-60V) and LED current range (200-1,050mA)
- LED current configurable for each output separately
- Intuitive 3-button user interface for on-the-fly configuration
- LEDcode/NTC interface for robust thermal management
- ShowMaster: 9 default shows, up to 20 user-defined shows, uploadable via TOOLbox and PC software

Input

- Voltage: 120 - 277 VAC
- Current, max:
1A at 120V/60Hz
0.5A at 230V/50Hz
0.45A at 277V/60Hz
- Frequency: 50/60Hz

Output

- Voltage: 60V max, 57V typ
- Current range: configurable from 200mA to 1,050mA
- Power: 100W max

Dimensions

- 388 x 42 x 30 mm

Weight

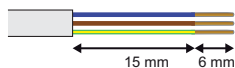
- 705g



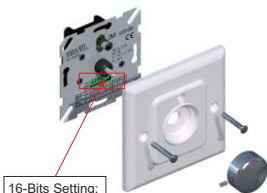
Pay attention when connecting the LED groups:

- polarity reversal results in no light output and often damages the LEDs
- combining + and - of different groups damages the driver

In Europe, use a H03V 0.75mm² power cable and apply following strip lengths:



Advised DMX-Wall Dimmer:
A9915050 Dimwheel



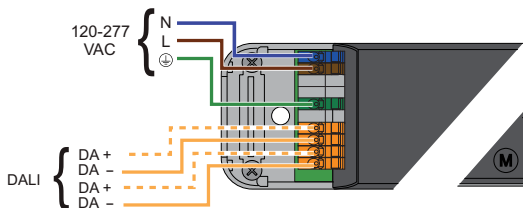
16-Bits Setting:
Switch-5 to ON
All other to OFF

A9915051 Faceplate-kit
with lightpipe & Button

12-32V
DC IN
- +

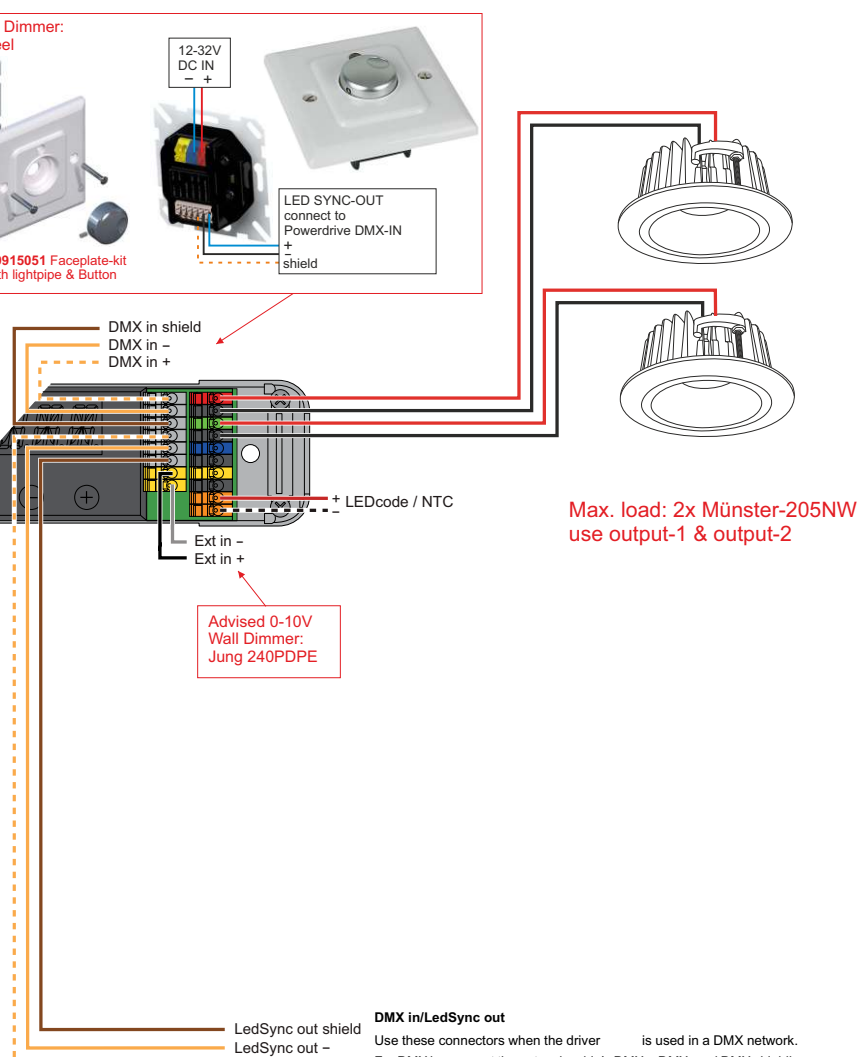
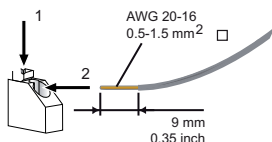


LED SYNC-OUT
connect to
Powerdrive DMX-IN
+
-
shield



DALI

Use these connectors to connect the driver to a DALI network. Always combine a DA+ and DA- connector for either data input or data output.



Max. load: 2x Münster-205NW
use output-1 & output-2

DMX in/LedSync out

Use these connectors when the driver is used in a DMX network. For DMX in, connect the network cable's DMX+, DMX- and DMX shielding wire (the orange/white, orange and brown wire in a CAT5 cable) to the DMX in+, DMX in- and DMX in shield connector respectively.

For LedSync out, connect the network cable's DMX+, DMX- and DMX shielding wire to the LedSync out+, LedSync out- and LedSync shield connector respectively.