

MADEIRA-3R WW

Ordernr: A0139730

Lamp type: recessed down-light
 1x 12.3 W warm-white LED
 CRI: >82
 Typical Luminous Flux: 960Lm (Tj=25°)
 Typical Luminous Flux: 860Lm (Tcase=60°)
 Typical forward Voltage Vf: 17.6V
 Beam angle reflector: 12°
 Lightbeam direction: 30° adjustable to all directions
 Operating Power: constant current 700mA

IES-Files available

Housing: solid Aluminum
 Reflector: Aluminum
 Weight: 0.68 Kg
 Dimensions fixture: ø125 x 110 mm
 Classification: IP-44 Class III
 Cable length: 500mm

Excluded (external) LED-driver

Available: Changeble reflectors

SPLCZ 0012: 12° included
 SPLCZ 0024: 24° separate available
 SPLCZ 0036: 36° separate available



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 !**

Optional:

A9950010 LED dimmable PWM-Driver (1-10V & Push dim)

Max. load: 1x MADERA-3R WW
 Prim.Voltage: 110V~240V 50~60Hz\ Max input current: 0.16A
 Power factor λ: =0.95 Sec.: 350-700mA 10/12/24V (dip-switch setting)
 Max. forward Voltage: 49V
 ta °C: -20° +50° tc °C: 75°
 Protection against overheating, short circuit & overloads
 Dimension L x W x H (mm): 103 x 67 x 21
 Weight: 0.11 Kg
 Protection: IP-20 Class II



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

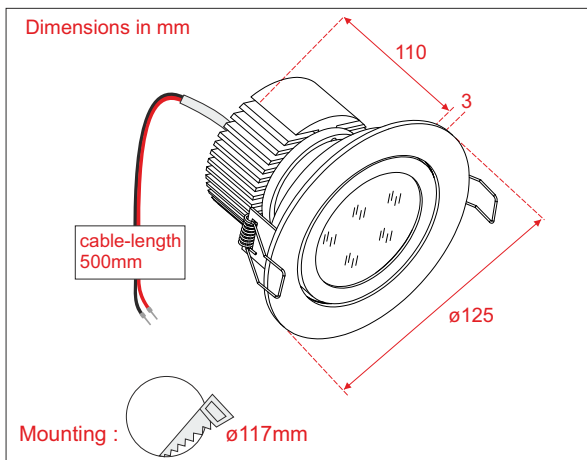
- Power factor: > 0.94
- DALI, DMX / RDM, LedSync and 0-10V compatible
- Hybrid HydraDrive: 20-bit resolution
- Dimming control: smooth dimming from 100% to 0.1%, gamma-corrected curve
- High efficiency over a wide power and voltage range: 90% at full load, ≥ 87% above 50W output
- Maximum (rated) power 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

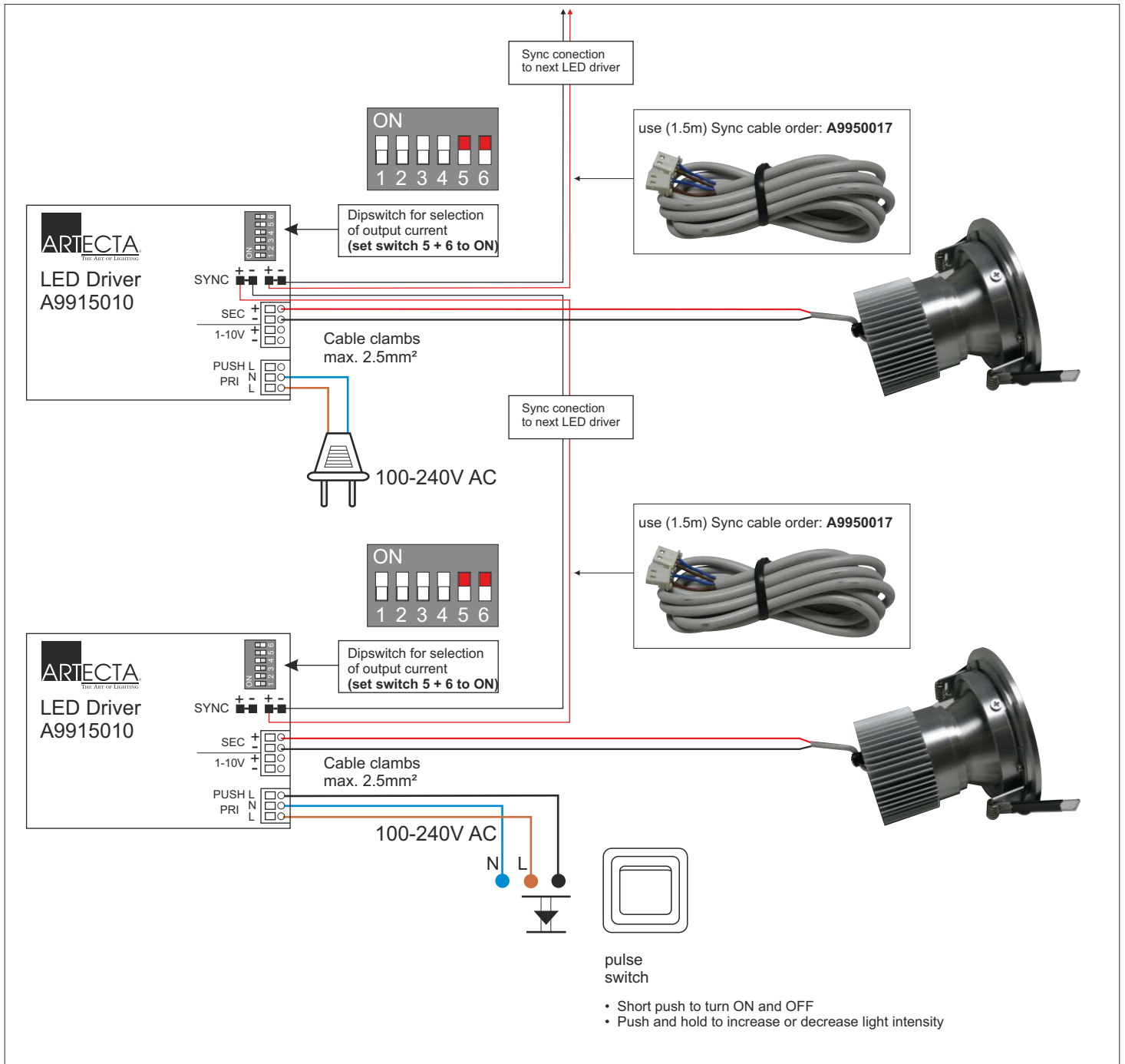
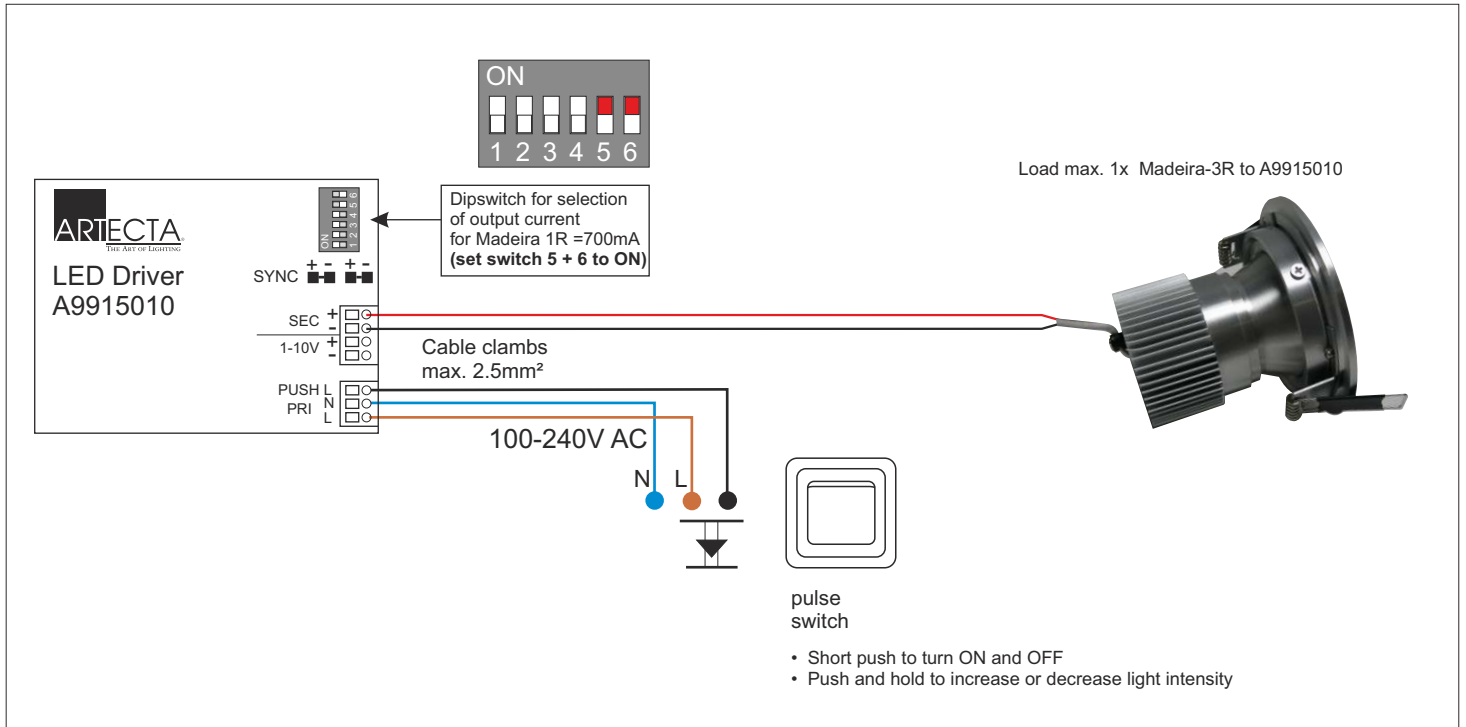
Input
 • Voltage: 120 - 277 VAC
 • Current, max:
 1A at 120V/60Hz
 0.5A at 230V/50Hz
 0.45A at 277V/60Hz
 • Frequency: 50/60Hz

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

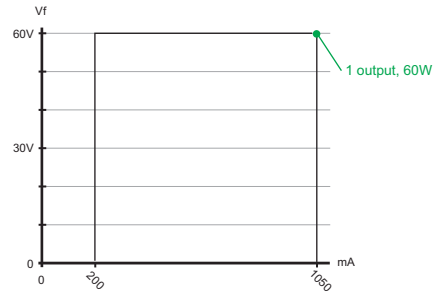
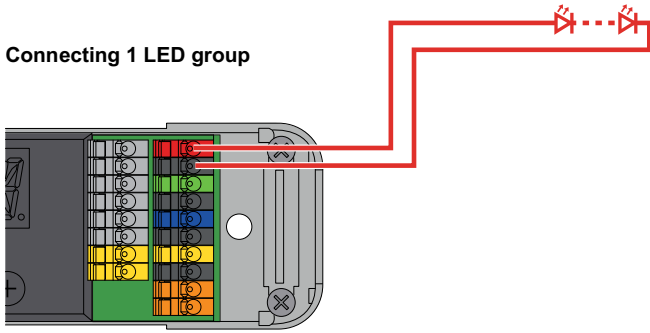
Dimensions
 • 388 x 42 x 30 mm

Weight
 • 705g



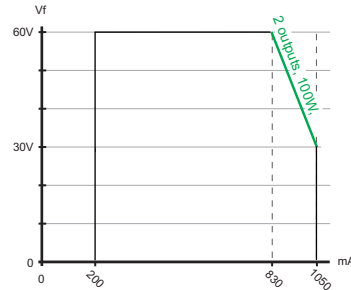
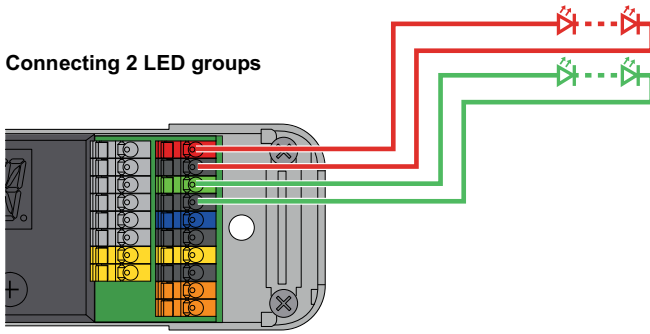


Connecting 1 LED group



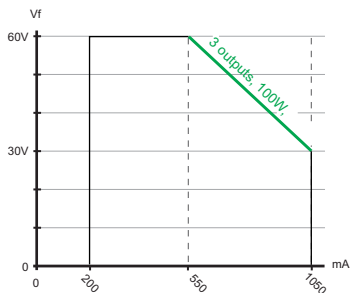
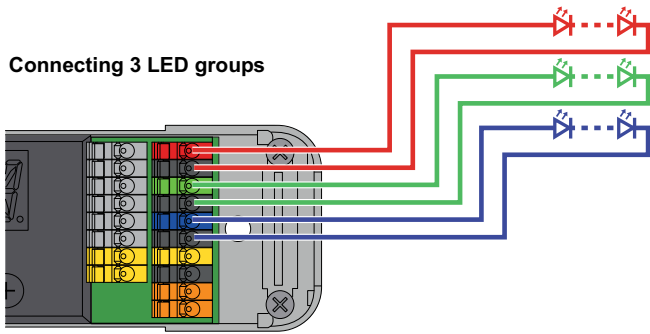
Output voltage vs output current for 1 output
 $V_{f\text{ typ}}$ is 57V, LED current ranges from 200mA - 1050mA

Connecting 2 LED groups



Output voltage vs output current for 2 outputs with symmetrical load
 $V_{f\text{ typ}}$ is 57V, LED current ranges from 200mA - 1050mA

Connecting 3 LED groups



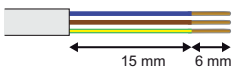
Output voltage vs output current for 3 outputs with symmetrical load
 $V_{f\text{ typ}}$ is 57V, LED current ranges from 200mA - 1050mA

	4 LED outputs, per output:	4 LED outputs, per output:	4 LED outputs, per output:	4 LED outputs, per output:	4, 3, 2 or 1 LED output per output:
Power, max: 100W	25 W	25W	25W	25W	≤ 60W *
Voltage (Vf), max: 57V	57V	50V	35.7V	23.8V	≤ 57V
Current range: 200 - 1,050mA	400mA	500mA	700mA	1,050mA	≤ 1,050mA **

* Total power output driver: 100W max

** LED output current is configurable

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

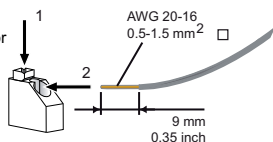


120-277 VAC { N L ⊕ }

DALI { DA+ DA- DA+ DA- }

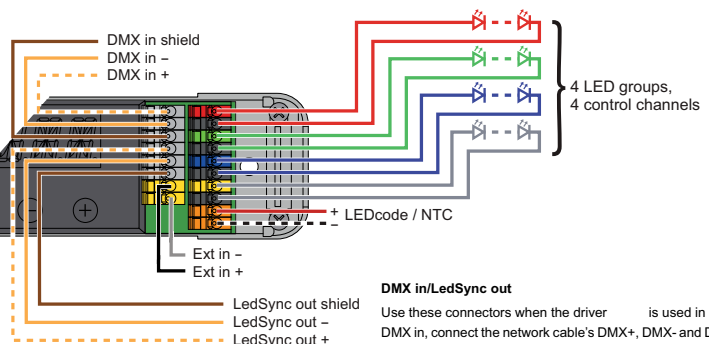
DALI

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.



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



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.