ARTECTA
THE ART OF LIGHTING

LED technology

MADEIRA-2R WW

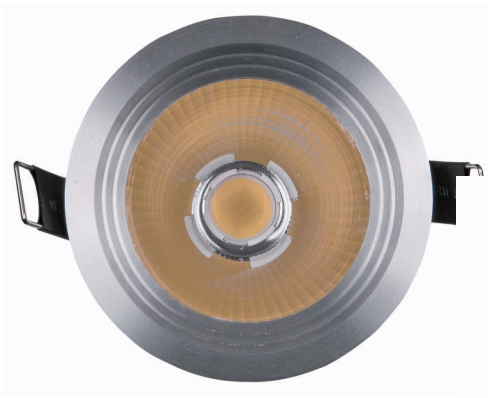
Ordernr: A0139720

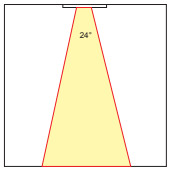
Lamp type:	recessed down-light 1x 12.3 W warm-white LED
Typical Luminous Flux:	960Lm (Tj=25°)
Typical Luminous Flux:	860Lm (Tcase=60°)
Typical forward Voltage	Vf: 17.6V
Lightbeam direction:	fixed
Beam angle reflector:	24°
Lightbeam direction:	fixed
Operating Power:	constant current 700mA

IES-Files available

Housing:	solid Aluminum
Reflector:	Aluminum
Weight:	0.58 Kg
Dimensions fixture:	ø98 x 120 mm
Classification:	IP-54 Class III
Cable length:	500mm

Excluded (external) LED-driver





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 <u>all</u> 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 ciquit & 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

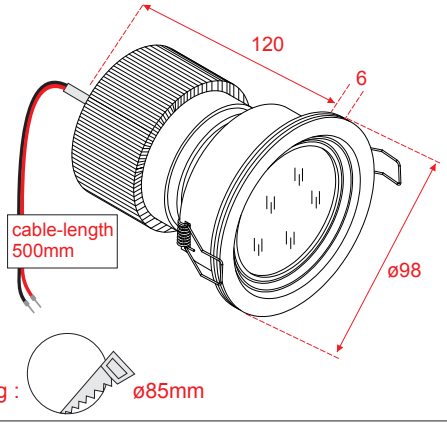
Input
- Voltage: 120 - 277 VAC
- Current, max:
  1A at 120V/60Hz
  0.5A at 230V/50Hz
  0.45A at 277V/60Hz
- Frequency: 50/60Hz

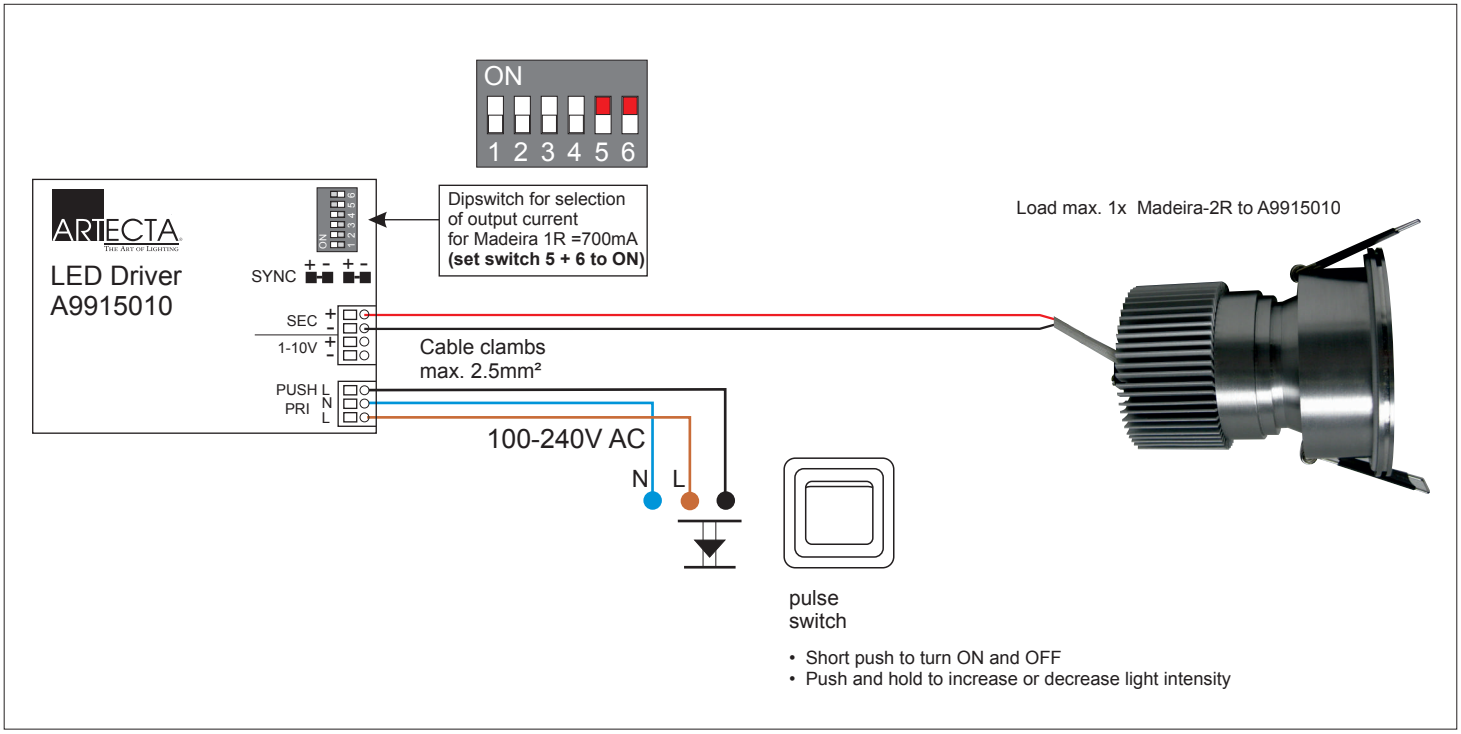
Output
- Voltage: 60V max, 57V typ
- Current range: configurable from 200mA to 1,050mA
- Power: 100W max

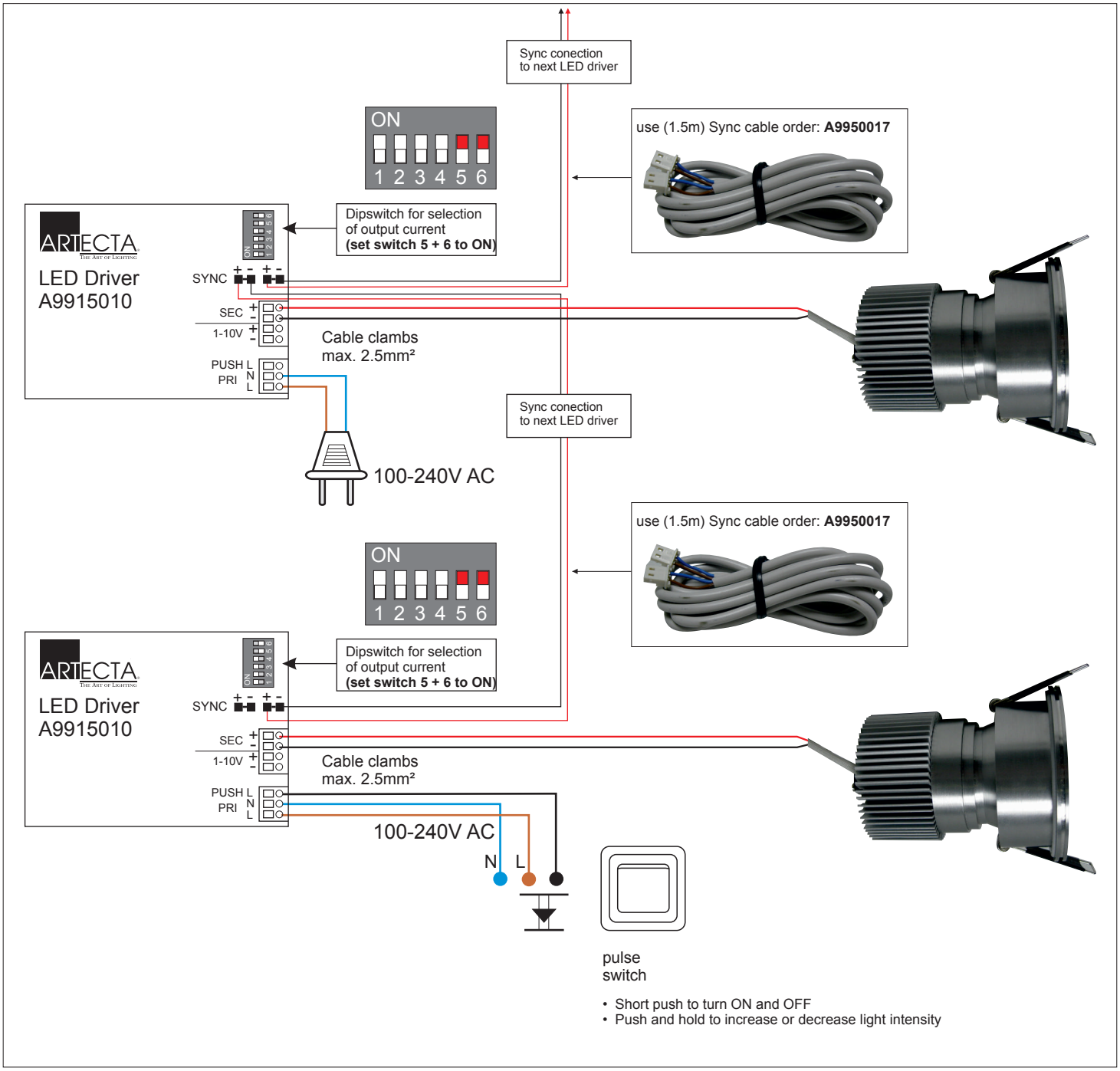
Dimensions
- 388 x 42 x 30 mm

Weight
- 705g

Dimensions in mm




ON
1 2 3 4 5 6
ARTECTA
LED Driver
A9915010
SYNC
SEC
1-10V
PUSH
PRI
L
N
L
Dipswitch for selection
of output current
for Madeira 1R =700mA
(set switch 5 + 6 to ON)
Load max. 1x Madeira-2R to A9915010
Cable clambs
max. 2.5mm²
100-240V AC
N L
pulse
switch
• Short push to turn ON and OFF
• Push and hold to increase or decrease light intensity


Sync conection
to next LED driver
ON
1 2 3 4 5 6
use (1.5m) Sync cable order: A9950017
ARTECTA
LED Driver
A9915010
SYNC
SEC
1-10V
PUSH
PRI
L
N
L
Dipswitch for selection
of output current
(set switch 5 + 6 to ON)
Cable clambs
max. 2.5mm²
Sync conection
to next LED driver
100-240V AC
use (1.5m) Sync cable order: A9950017
ON
1 2 3 4 5 6
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SYNC
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PUSH
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N
L
Dipswitch for selection
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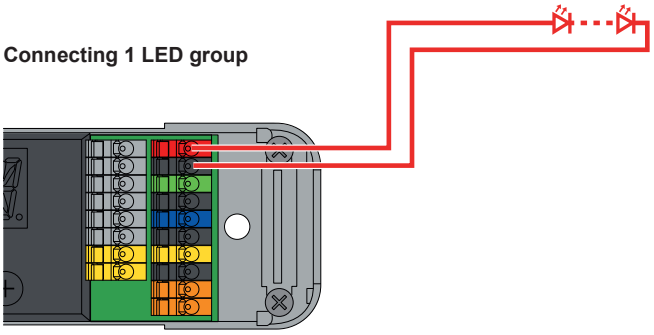
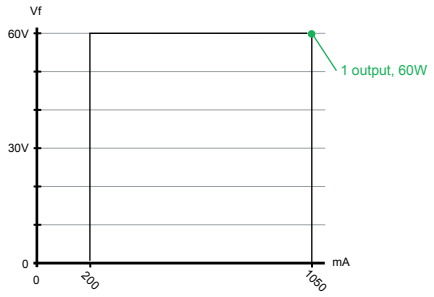
Cable clambs
max. 2.5mm²
100-240V AC
N L
pulse
switch
• Short push to turn ON and OFF
• Push and hold to increase or decrease light intensity

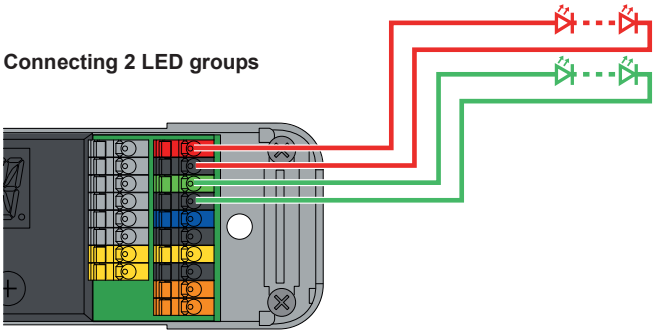
Connecting 1 LED group

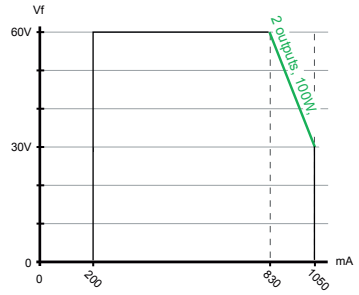




Output voltage vs output current for 1 output
Vf_{typ} is 57V, LED current ranges from 200mA - 1050mA

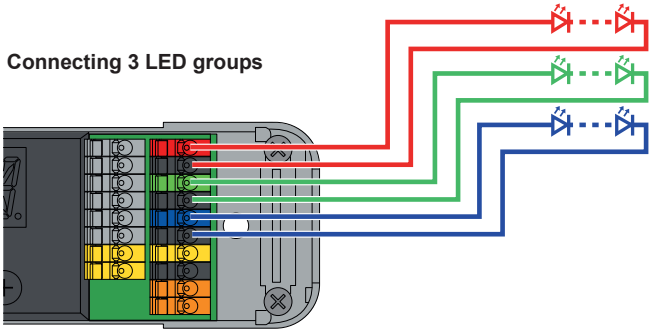
Connecting 2 LED groups

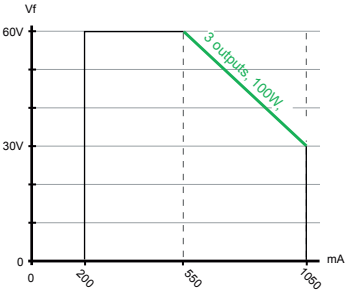




Output voltage vs output current for 2 outputs with symmetrical load
Vf_{typ} is 57V, LED current ranges from 200mA - 1050mA

Connecting 3 LED groups



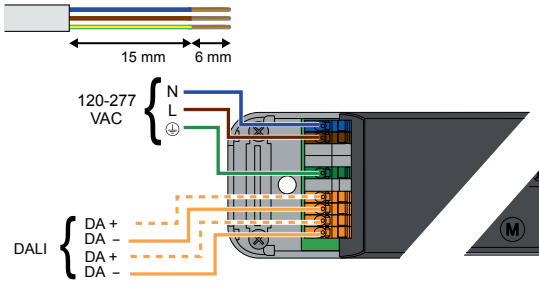


Output voltage vs output current for 3 outputs with symmetrical load
Vf_{typ} is 57V, LED current ranges from 200mA - 1050mA

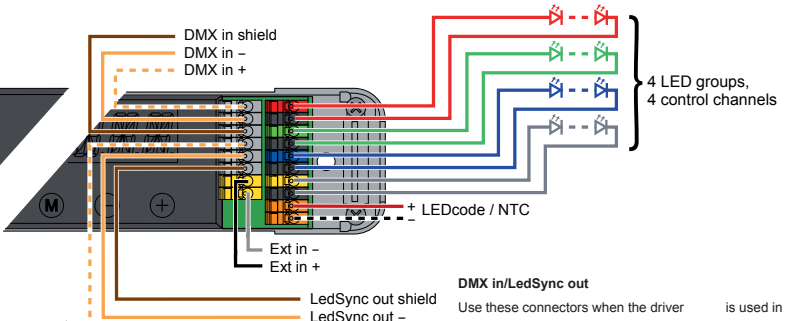
	4 LED outputs, per output:	4 LED outputs, per output:	4 LED outputs, per output:	4 LED outputs, per output:	4, 3, 2 or 1 LED output per output:
Power, max: 100W	25 W	25W	25W	25W	≤ 60W *
Voltage (Vf), max: 57V	57V	50V	35.7V	23.8V	≤ 57V
Current range: 200 - 1,050mA	400mA	500mA	700mA	1,050mA	≤ 1,050mA **

* Total power output driver: 100W max
** LED output current is configurable

In Europe, use a H03V 0.75mm^2 power cable and apply following strip lengths:

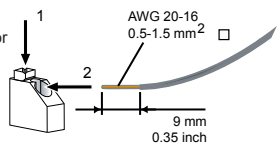


Pay attention when connecting the LED groups:
- polarity reversal results in no light output and often damages the LEDs
- combining + and - of different groups damages the driver



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.



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.