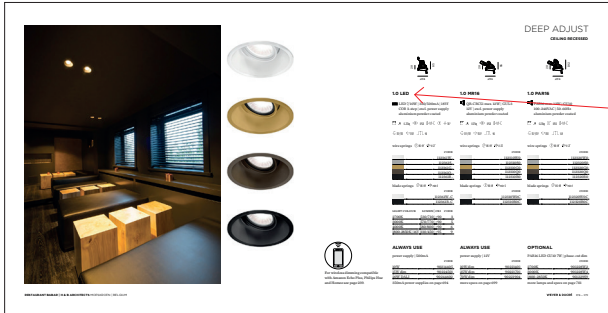


FREQUENTLY ASKED QUESTIONS

HOW TO FIND A POWER SUPPLY?



1.0 LED

LED 7/10W | 350/500mA | 18Vf
 COB 3-step | excl. power supply
 aluminium powder coated

0.23kg IP20 35° 36°

35/35° 355° 90

wire springs 06-89 4-23

When choosing a driver for an LED luminaire the specifications of the driver need to match the specifications of the LED in terms of:

- Current (mA)
- Power (W)
- Voltage (V/Vf)

The current is a fixed value and should never exceed the luminaire's maximum value. This might damage the LED over time or immediately.

Choosing a lower current is never an issue. This will reduce the lumen output and the power consumption.

- The driver's power should be equal to or higher than the LED power
- The driver's voltage should be equal to or higher than the LED power

MATCH

500mA 10W

Driver 220-240VAC | 50Hz
 10W | 500mA | 11-20V
 L/W/H 101.5x51x29.2

CE 0.116kg SELV IP20

DEEP 10W | RON 10W | RONY 10W
 LUNA 10W | STRANGE ceiling 10W
 PLANO 10W

NO MATCH because voltage isn't aligned

500mA 25W DALI

Driver 220-240VAC | 50-60Hz | 1-100%
 25W | 350-1050mA | preset at 500mA
 20-50V | DSI | switch dim | DALI
 L/W/H 130x43x30

CE 0.17kg SELV IP20

DEEP 10W (2x) | RON 10W (2x)
 RONY 10W (2x) | PLANO 10W (2x)
 STRANGE ceiling 10W (2x)

NO MATCH because voltage and power aren't aligned

500mA 6W

Driver 90-264VAC | 50-60Hz
 6W | 500mA | 3-12V
 L/W/H 64x35x21

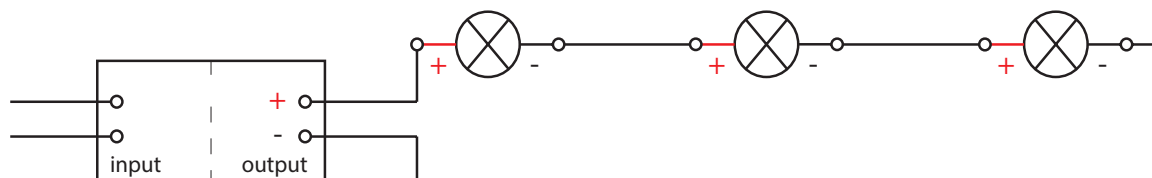
CE 0.04kg EMC IP20

THEMIS 5W | STRANGE wall 5W
 LITO 3W | SMILE IN 6W

*all examples from this page out of the catalogue

FREQUENTLY ASKED QUESTIONS

When choosing a driver for more than 1 LED module we recommend a serial connection between driver and LEDs instead of a parallel connection between driver and LEDs.



With a serial connection the driver's current remains the same over the electrical circuit and the voltage is being divided over the circuit.

When choosing a driver for a number of LED luminaires the specifications of the driver need to match

- LED current (mA)
- LED power (W) x number of LEDs
- LED voltage (V/Vf) x number of LEDs

For example; when connecting two modules as shown below

1.0 LED

LED 7/10W | 350/500mA | 18Vf
COB 3-step | excl. power supply
aluminium powder coated

0.23kg IP20 0.3-1.0 36°

35°/35° 355° 90

wire springs 86-89 4-23

The driver needs to match

- LED current (mA) = 500mA
- LED power (W) x number of LEDs = 18Vf x 2 = 36Vf
- LED voltage (V/Vf) x number of LEDs = 10W x 2 = 20W

MATCH when selected at 500mA

MATCH as dimmable alternative

NO MATCH because voltage and power aren't aligned

350/500/700mA 17.5-20W

Driver 220-240VAC | 50-60Hz
350/500/700mA output selection
17.5W | 350mA | 25-50V
20W | 500mA | 20V-40V
20W | 700mA | 14V-28.5V
L/W/H 101.5x51x29.5
CE 0.09kg sev IP20

DEEP 7/10W (2x)
RON 7/10W (2x) | **RONY** 7/10W (2x)

500mA 21W DIM

Driver 220-240VAC | 50-60Hz | 5-100%
21W | 500mA | 28-42V | phase-cut dim
L/W/H 101.5x51x29.5

CE 0.09kg sev IP20

DEEP 10W (2x) | **RON** 10W (2x)
RONY 10W (2x)

500mA 15W DIM

Driver 220-240VAC | 50-60Hz | 5-100%
15W | 500mA | 13.5-30V
L/W/H 102x51x30 | phase-cut dim

CE 0.08kg sev IP20

DEEP 10W | **RON** 10W | **RONY** 10W
STRANGE ceiling 10W

*all examples from this page out of the catalogue