

LED Driver Indoor 10W 700mA Dimming



LED Driver Indoor 30W 700mA Dimming

## Description

Philips LED indoor dimming drivers are designed for the market's wide variety of applications, such as controlling light effect on Spot lighting or Decorative lighting. Indoor Spot and Decorative light applications include Dining, Reading, Living, Restaurant, Shops, Stage and Museum...

LED driver indoor 10W dim is a dedicated driver to deliver power to 3 pcs of 700mA LEDs in series, suitable for nominal 220V to 240V, 50Hz and 60Hz mains supply. The driver is to be mounted inside or outside luminaries for indoor use and class II applications. The output must be connected to the 3 LEDs in series

LED driver indoor 30W dim is a dedicated driver to deliver power to 6 ~ 12 pcs of 700mA LEDs in series, suitable for nominal 220V to 240V, 50Hz and 60Hz mains supply. The driver is to be mounted inside luminaries for indoor use and class II applications. The output must be connected to the 6 ~ 12 LEDs in series.

The driver converts AC mains to constant current output by an AC/DC transition. Users can connect a trailing edge dimmer at input side to dim LEDs' light output. Both drivers are SELV (safety extra low voltage), and the drivers have following characteristics:

- Excellent dimming performance - no dimming steps visible, no humming, no flickering
- High Power Factor, low THD
- Short circuit protection
- Open circuit protection

## Design Highlight

Excellent dimming behavior

- no dimming steps visible
- no humming
- no flickering

Well controllable light output to the environment

- Working with trailing edge dimmers (see the recommendation list below)
- Can dim down to 20% or even less (dimmer depended)

Low profile design with compact size

Working with all 700 mA LEDs

- 10W delivers power to 3 LEDs
- 30W delivers power to 6 ~ 12 LEDs

Trailing edge dimming

- Excellent EMI (Electro Magnetic Interference) performance
- Optimal to low power LED system

Wide operation temperature performance (-20°C to +50°C)

CE compliant

RoHS compliant

SELV compliant

## Applications

Indoor Spot and Decorative light applications:

Dinning	Shops
Reading	Restaurant
Living	Museum

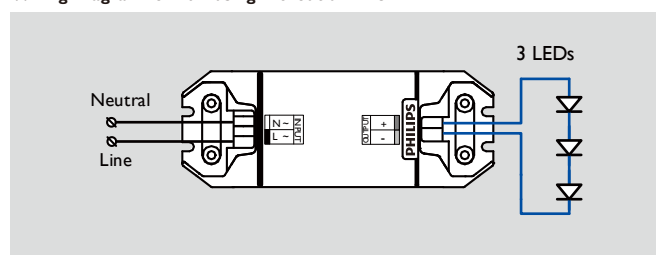
## Specifications

Description LED Driver	Input			Output		Case Temp Max.	Dimming Range	Note
	Rated Voltage V	Max. Current A	Max. Power W	Rated Current A dc	Voltage V dc			
LD-R 10W 700mA	220-240	0.06	10	0.7	14	80	25%-100%	100% while no dimmer, 25% is a typical value depending on dimmer
LD-R 30W 700mA	220-240	0.17	30	0.7	18-42	80	20%-100%	100% while no dimmer, 20% is a typical value depending on dimmer

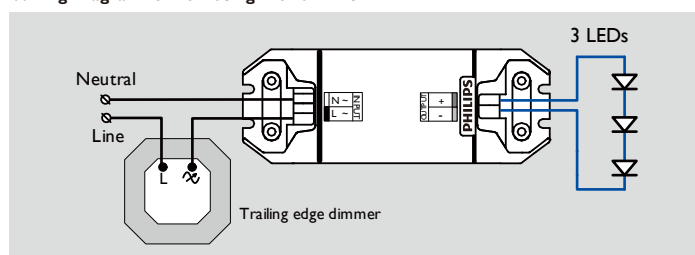
## Quick selection table on load

Description	Configuration options
LD-R 10W 700mA	3 pcs of 700mA LEDs
LD-R 30W 700mA	6 ~ 12 pcs of 700mA LEDs

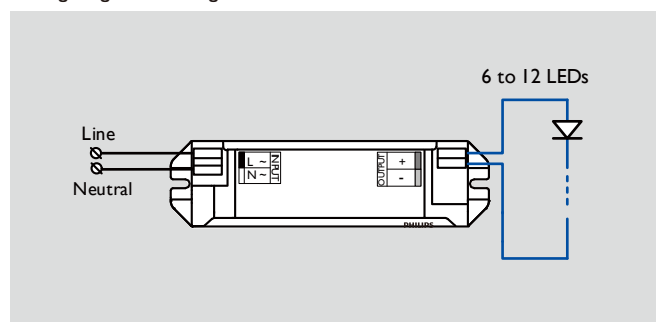
Wiring Diagram for 10w using without dimmer



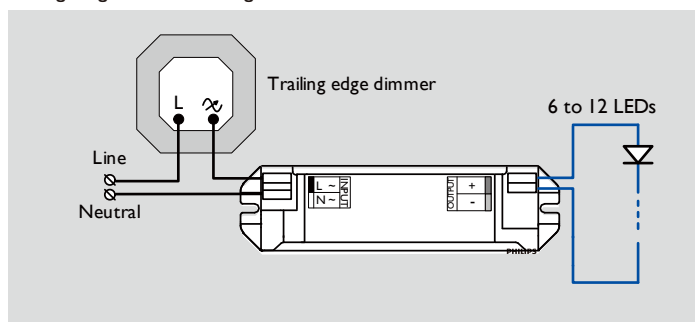
Wiring Diagram for 10w using with dimmer



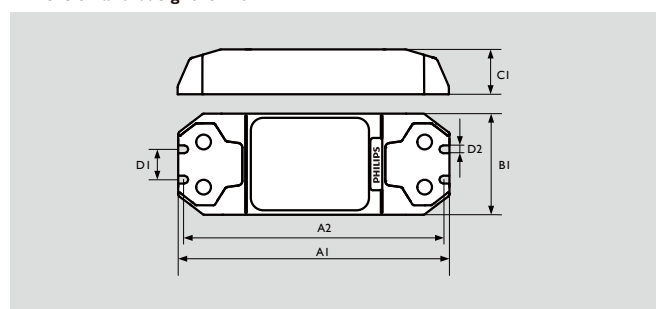
Wiring Diagram for using without dimmer for 30w



Wiring Diagram for 30w using with dimmer

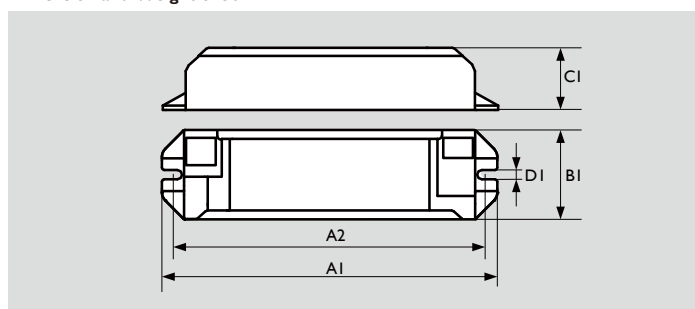


Dimension and Weight for 10w



TYPE	Dimension (mm)						Weight (g)
	A1	A2	B1	C1	D1	D2	
10W Dim	120.0	114.5	45.0	20.0	13.5	3.5	75.0

Dimension and Weight of 30w



TYPE	Dimension (mm)					Weight (g)
	A1	A2	B1	C1	D1	
30W Dim	150.0	136.0	40.0	28.0	4.2	115.0

Description	Box packaging	Order number	Remark
LD-R 10W 700mA	36	913710053667	Chinese label
LD-R 10W 700mA	36	913710053666	English label
LD-R 30W 700mA	20	913710053867	Chinese label
LD-R 30W 700mA	20	913710053866	English label

## Recommended dimmer list

Brand	Description	Supplier	Supplier reference
PEHA	Tronic-dimmer 433 HAB	Tronic dimmer	433 HAB
GIRA	Universal- drehdimmer	GIRA	1176 00/100
GAMMA	Halogendimmer 20-300W	Merten	5771
Siemens	Delta I Halogendimmer 20-600W	Siemens	5TC8 284
Niko	09-017	Niko	09-017
GAMMA	Elektronische dimmer	Drespa/Tronic dimmer	0817/433 HAB