



10 W (independent)



30 W (built-in)



30 W (independent)

Xitanium LED dimmable drivers

Philips Xitanium dimmable drivers

designed for a wide variety of applications.

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.

The indoor LED driver range consists of a 10 W dim version which is dedicated to deliver power to 3 LEDs and a 30 W dim which delivers power to 6~12 LEDs. Both are suitable for nominal 220 V to 240 V, 50 Hz and 60 Hz mains supply.

The drivers are to be mounted inside or outside luminaires for indoor use and class II applications.

The converter 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. The output side is SELV (safety extra low voltage). The driver has following characteristics:

- High power factor, low THD.
- Short circuit and open circuit protection.
- Excellent dimming performance - no dimming steps visible, no humming, no flickering.

Design Highlight

Compact and thinness meet the fixture design of LED, so that the final fixture shape can be very unique from others.

20 mm only for 10 W driver.

Easy controllable light output to the environment:

- Recommended to use with 6 dimmers (see "approved dimmer list" on page 3).
- Can dim down to 20% or even less.

PHILIPS

sense and simplicity

• Highly reliable

Excellent dimming behavior:

- No dimming steps visible.
- No humming.
- No flickering.

Trailing edge dimming:

- Provides longer system life time.
- Generate stable current.

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

Safety and approvals

ENEC for 10 W independent & 30 W built-in versions. (Pending for 30 W independent.)

Specifications

Description Driver	Input		Output			Case Temp Max.	Dimming Range*
	Rated Voltage V	Max. Current A	Max. Power W	Rated Current A	Max. Voltage V		
10W	220-240	0.06	10	0.07	14	80	25%-100%
30W	220-240	0.17	30	0.07	18-42	80	25%-100%

Note:

* Dimming range depends on the dimmer used, 20%-25% is a typical value that was proven with the tested dimmers.
100% not dimmed or no dimmer.

Compatibility with PHILIPS Lumileds

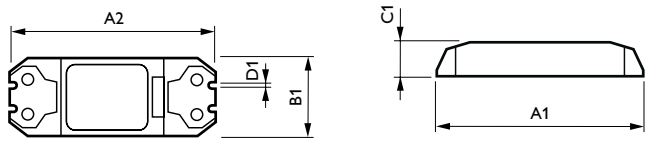
Type	Current	Type V	Max V	#LEDs 10W	#LEDs 30W
2x Luxeon I**	350 mA**	3.42	3.99	2x3**	2x10**
Luxeon III	700 mA	3.7	4.47	3	9
Luxeon V	700 mA	6.84	8.31	1-2*	5-6*
K2	700 mA	3.42	4.23	3-4*	9-12*
Rebel	700 mA	3.15	3.99	3-4*	10-12*

Notes:

* Depending on Vf bin.

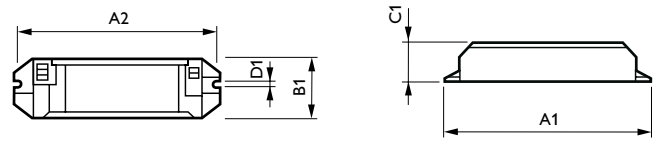
** 2x Luxeon I in parallel circuit.

Dimensions 10 W driver (independent)



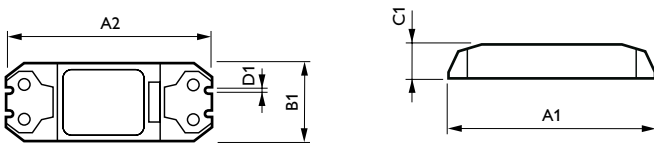
	Dimension (mm)					Weight (G)
	A1	A2	B1	C1	D1	
10 W DIM	120	114.5	45	20	3.5	75

Dimensions 30 W driver (built-in)



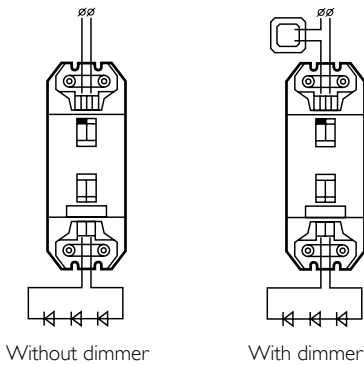
	Dimension (mm)					Weight (G)
	A1	A2	B1	C1	D1	
30 W DIM	150	136	40	28	4.2	115

Dimensions 30 W driver (independent)

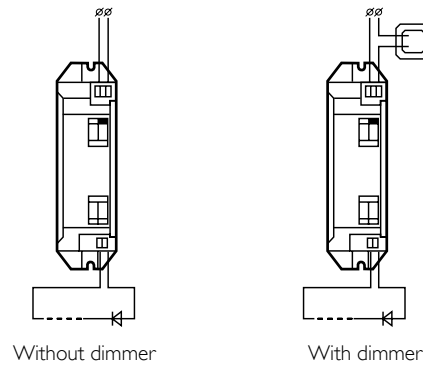


	Dimension (mm)					Weight (G)
	A1	A2	B1	C1	D1	
30 W DIM	180	n.a.	45	2.8	4.2	180

Wiring diagram for 10 W + 30 W driver (independent)



Wiring diagram for 30 W driver (built-in)



Ordering codes

Product types	Units/packing	12nc	Ordering Code EOC
Xitanium LED dimmable driver 10W 14V (independent)	36	9137 100 53666	064161 30
Xitanium LED dimmable driver 20/30W 42V (built-in)	20	9137 100 53866	064185 30
Xitanium LED dimmable driver 20/30W 42V (independent)	10	9137 132 20162	843316 00

Approved dimmer list

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



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Data subject to change.

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