

Compatibility

Ease of use

Control accuracy

IP5X

CE

effiDIMMER2

Manual potentiometer

VERSIONS & PART-NUMBER

The EFFI-Dimmer2 has been designed to adjust the light intensity of our products with a manual potentiometer. It is compatible with both older products working in single mode or new multimode products thanks to its two outputs (1 and 2).

Two versions: standard and power, exists to match the wiring of our lights either in M12 or M12P (M12 Power).

STANDARD	EFFI-DIMMER2 For products with M12 connectors
POWER	EFFI-DIMMER2- PWR For products with M12P connectors

TECHNICAL SPECIFICATIONS

effiDIMMER2

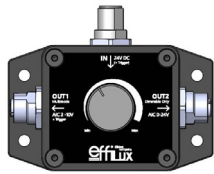
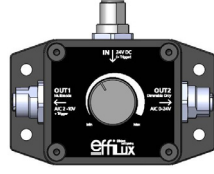
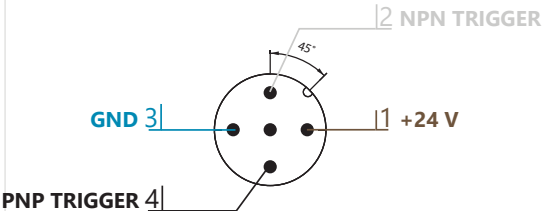
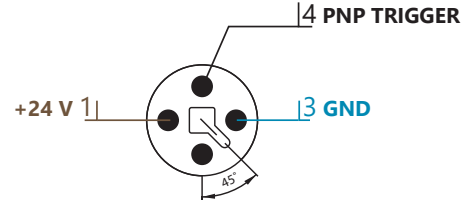
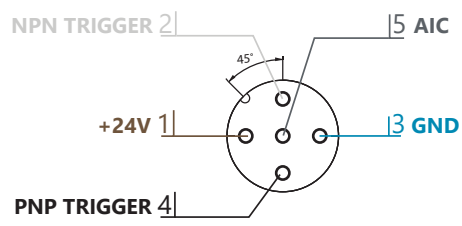
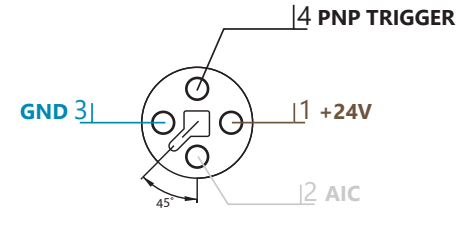
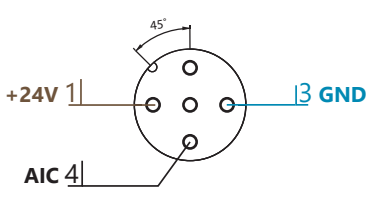
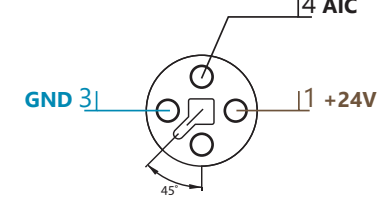
Product compatibility	Every EFFILUX lights* using M12/M12P - M12 or M12P depending on the version
Power Supply	24V DC (+/-10%)
Power consumption	1W
Connectors	M12/M12P - 5/4 Contacts (depending on the version)
Weight	200g
Dimensions	Width x length x height = 95mm x 58mm x 51mm (<i>Drawings page 4</i>)
Fastener	4 holes (5,5mm diameter)
IP rating	IP5X (dust protected)
Operation environment	Temperature: 0°C to 40°C - Humidity: 20 to 85%RH (with no condensation) - Altitude: Up to 2000m
Storage environment	Temperature: -20° to 60°C - Humidity: 20 to 85%RH (with no condensation)
Informations	Overvoltage category I - Protective class III - Pollution degree 3
Regulations & Marking	CE - UKCA
Environmental Standards	RoHS Directives (2011/65/EU, 2015/863/EU and China RoHS) - REACH Regulation - WEEE Regulation
Country of Origin	France

(*) Warning: Products with ELS 0-5V must be used with EFFI-DIMMER

ELECTRONICAL SPECIFICATIONS

WIRING LAYOUT

Refer to the specifications corresponding to the chosen version below:

Version	Standard	Power
Part number	EFFI-DIMMER2	EFFI-DIMMER2-PWR
Power consumption	1W	1W
Type of INPUT connector	1x M12 male - 5 contacts	1x M12P male - 4 contacts
Type of OUTPUT connector	2x M12 female - 5 contacts	2x M12P female - 4 contacts
Global setup	<p>INPUT - M12</p>  <p>OUTPUT 1- M12 Multimode</p> <p>OUTPUT 2- M12 Dimmable only</p>	<p>INPUT - M12P</p>  <p>OUTPUT 1- M12P Multimode</p> <p>OUTPUT 2- M12P Dimmable only</p>
INPUT	 <p>1 +24 V</p> <p>2 NPN TRIGGER</p> <p>3 GND</p> <p>4 PNP TRIGGER</p>	 <p>1 +24 V</p> <p>3 GND</p> <p>4 PNP TRIGGER</p>
OUTPUT 1	 <p>1 +24V</p> <p>2 NPN TRIGGER</p> <p>3 GND</p> <p>4 PNP TRIGGER</p> <p>5 AIC</p>	 <p>1 +24V</p> <p>2 AIC</p> <p>3 GND</p> <p>4 PNP TRIGGER</p>
OUTPUT 2	 <p>1 +24V</p> <p>3 GND</p> <p>4 AIC</p>	 <p>1 +24V</p> <p>3 GND</p> <p>4 AIC</p>

GENERAL BEHAVIOR

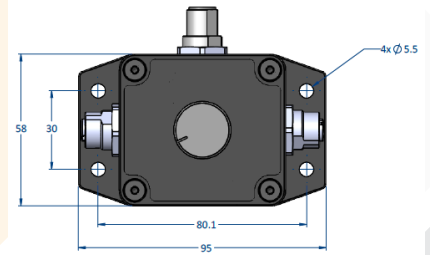
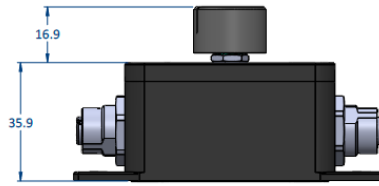
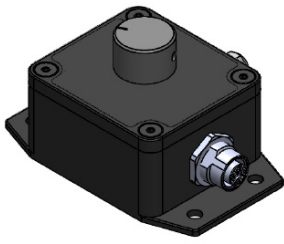
Scenario	TRIGGER Value	DIMMER Value	Output
1	0V	X (Any value)	0% light intensity
2	24V	Min	0% light intensity
3	24V	X (Any value)	X% light intensity
4	24V	Max	100% light intensity

Note:

- Set the trigger input @24V to dim the light (even in dimmable only configuration) and set the trigger input @0V to turn off the light

MECHANICAL SPECIFICATIONS

DIMENSIONS (in mm)



ACCESSORIES (TO BE PURCHASED SEPARATELY)



M12 - Female / Male - 5 contacts	M12P - Female / Male - 4 contacts
2meters: EFFC-CAB-M12-FM-5-DD-L2	2meters: EFFC-CAB-M12P-FM-4-DD-L2
5meters: EFFC-CAB-M12-FM-5-DD-L5	5meters: EFFC-CAB-M12P-FM-4-DD-L5
10meters: EFFC-CAB-M12-FM-5-DD-L10	10meters: EFFC-CAB-M12P-FM-4-DD-L10

CONTACT INFORMATION

Please refer to the specific documentation (datasheet, user manual and drawing) for complementary information. Contents of this document are based on information available as of June-2024 and may be changed without prior notice.



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