

Light is OSRAM

OSRAM

OT DMX RGBW DIM

12 - 24 V PWM Dimmer

Benefits

4-channel DMX dimmer for RGB and RGBW LED module
High PWM frequency to optimize video recording

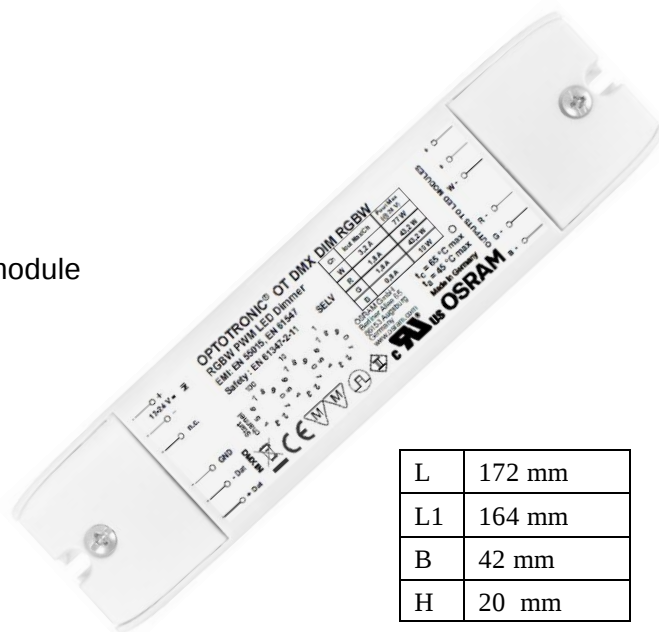
Applications

Suitable for indoor installations
Shop & Hospitality: retails, hotels, restaurant, museum, residential buildings

Approval marks



In preparation, if not already printed on the product label



L	172 mm
L1	164 mm
B	42 mm
H	20 mm

Product Features

- 4 channels DMX dimmer
- Control up to 180 W LED load
- PWM Dimming range 0-100%
- Independent housing for ceiling installation
- Manual addressing or RDM functionality
- 5 years guarantee
- Screw terminal blocks*
- Overload protection*
- Over temperature protection*
- $t_c \text{ max} = 65^\circ\text{C}$
- Wide t_a range $-20 \dots +45^\circ\text{C}$
- 50'000 h lifetime at t_c

Electrical specifications

	Item	Value	Unit	Remarks
Input	Nominal voltage	12 - 24	V _{DC}	
	Mains frequency	0	Hz	
	Maximum voltage	25	V _{DC}	
	ECG Efficiency	95	%	
	Power loss in stand-by mode	< 500	mW	
	Protection class	III		
	Suitable for fixtures with prot Class	I / II		
Output	Nominal output voltage	12 - 24	V	
	Nominal output power	182	W	max total
	Nominal Output current	W: 3.2 B: 1.8 G: 1.8 R: 0.8	A	Max per channel
	Galvanic isolation	n/a		
	U-OUT (working voltage)	24	V	
Dimming	Dimming interface	DMX		
	Dimming range	0 – 100	%	
	Dimming method	PWM		
	PWM frequency	1	KHz	
	Galvanic Isolation	Yes		between DMX to LED module
Environmental	Ambient temperature range	-20 ÷ +45	°C	
	Max. temperature at t _c test point	65	°C	Measured on t _c point indicated of the prod label, t _a not exceeded
	Max. case temp. in fault condition	115	°C	
	Storage temperature range	-25 ÷ +85	°C	
	Permitted rel. humidity during operation	5 – 85	%	Not condensing
	Environmental rating	Indoor		
	IP protection class	IP 20		
	ECG lifetime	50'000	h	t _c = 85°C - 0,2% / 1'000 h failure rate
	No-load proof	Yes		
	Overheating protection	Yes		In combination with OPTOTRONIC
	Overload protection	Yes		In combination with OPTOTRONIC
	Short-circuit protection	Yes		In combination with OPTOTRONIC
	Type of connection, output side	Screw terminal		0,5 – 1,5 mm ²
	Length	172	mm	
	Width	42	mm	
	Height	20	mm	
	Mounting hole spacing, length	164	mm	
	Mounting length	164	mm	
	Product weight	71	g	
	Cable cross-section, input side	0.5...1.5	mm ²	
	Cable cross-section, output side	0.5...1.5	mm ²	
	Wire preparation length, input side	10	mm	
	Wire preparation length, output side	10	mm	
	Casing material	Plastic		

Protections

Over temperature, Overload, Short-circuit, Input overvoltage, Output overvoltage are demanded to the LED driver.

Remarks

DMX address setting possible by:

- Rotary switch
- RDM (set channel 800)

Manual dimming (XX%)

- Set channel 9, X, X

Standards

EN 55015
EN 61347-2-11
EN 61547

Ordering information

Product name	EAN 10	EAN 40	Pieces / box
OT DMX RGBW 12-24	4052899557949	4052899557956	20

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The OSRAM logo is displayed in a bold, orange, sans-serif font.