

Light is OSRAM

OT DMX RGBW DIM

12 - 24 V PWM Dimmer

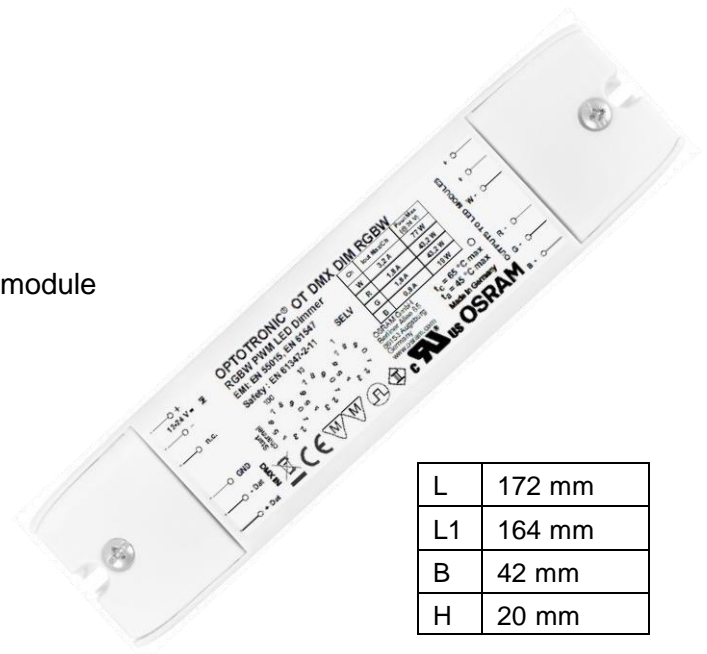
Benefits

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



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

In preparation, if not already printed on the product label

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	VDC	
	Mains frequency	0	Hz	
	Maximum voltage	25	VDC	
	Efficiency in full load	95	%	At 230 V, 50 Hz
	Stand-by power	<0.50	W	At 230 V, 50 Hz
	Protection class	III		
	Suitable for fixtures with prot Class	I / II		
Output	Nominal output voltage	12 - 24	V	
	Maximum output power	182	W	At steady state
	Nominal Output current	W: 3.2 R: 1.8 G: 1.8 B: 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
EEnviromantsl	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	$t_c = 85^\circ\text{C} - 0,2\% / 1'000 \text{ h}$ failure rate
	No-load proof	Yes		
	Intended for no-load operation	No		
	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

Ecodesign regulation information:

Intended for use with LED modules. The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

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

OSRAM GmbH

Head Office:
Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
www.osram.com

