

Light is OSRAM

## OT BLE DIM 12-24

### 12 - 24 V Bluetooth Dimmer

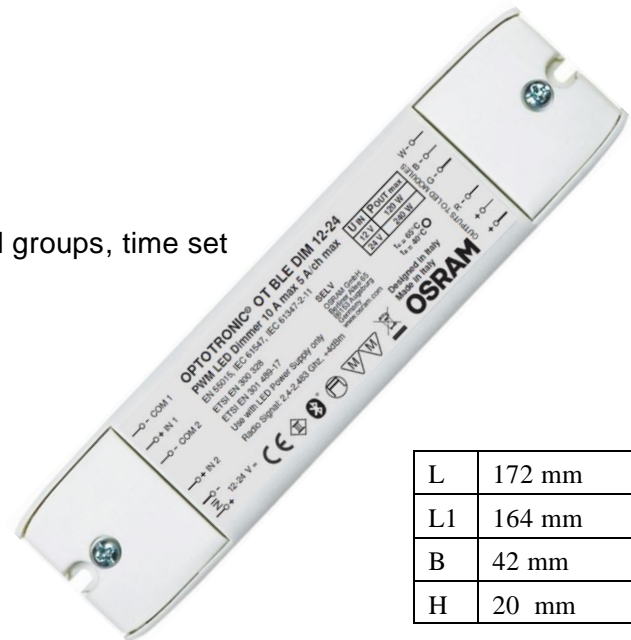
#### Benefits

Adjust the luminous brightness; create scenes and groups, time set  
Remote controlled by CASAMBI APP  
Wireless installation on a mesh network

#### Applications

Shop & Hospitality: retails, hotels, restaurant,  
museum, residential

#### 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 Bluetooth dimmer (BLE)
- Control up to 240 W LED load
- PWM Dimming range 0-100%
- 2 Dry contacts input for connection to any commercial push button
- Configuration: dimmer white, tunable white, color RGB, color RGBW
- Independent housing for ceiling installation
- Screw terminal blocks
- Overload protection\*
- Over temperature protection\*
- $t_c$  max = 65°C
- Wide  $t_a$  range -10 ... +40 °C
- 50'000 h lifetime at  $t_c$
- 5 years guarantee
- Remote control by **CASAMBI**

\* in combination with OPTOTRONIC®

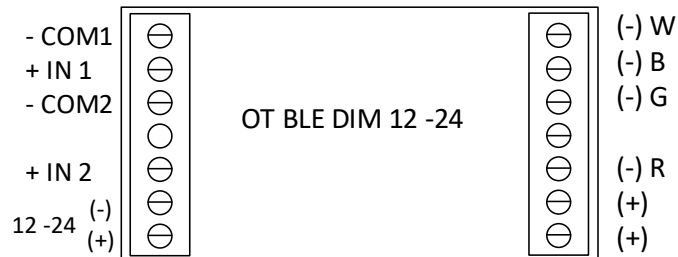
## Electrical specifications

	Item	Value	Unit	Remarks
INPUT	Nominal voltage	12 - 24	V <sub>DC</sub>	
	Mains frequency	0	Hz	
	Maximum voltage	26.4	V <sub>DC</sub>	
	Efficiency in full load	98	%	At 230 V, 50 Hz
	Networked stand-by power	<0,50	W	
	Protection class	III		
	Suitable for fixtures with prot Class	I / II		
OUTPUT	Nominal output voltage	12 - 24	V	
	Nominal output power	120W per channel @24V	W	240W max total @24V
		60W per channel @12V	W	120W max total @12V
	Galvanic isolation	n/a		
	U-OUT (working voltage)	24	V	
DIMMING	Dimming interface	Bluetooth Low Energy		Use CASAMBI APP
	Dimming range	0 – 100	%	
	Dimming method	PWM		
	PWM frequency	600	Hz	
	Galvanic Isolation	n/a		
ENVIRONMENTAL	Ambient temperature range	-20 ÷ +45	°C	
	Max. temperature at t <sub>c</sub> test point	65	°C	Measured on t <sub>c</sub> point indicated of the prod label, t <sub>a</sub> 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 <sub>c</sub> = 85°C - 0,2% / 1'000 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 <sup>2</sup>
	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 <sup>2</sup>	
	Cable cross-section, output side	0.5...1.5	mm <sup>2</sup>	
	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. Do not invert the polarity of input nor output cables to avoid damaging the device!

## Wiring



4 channels color	3 channel color	Tunable white	Single channel
W B G R	B G R	WW(R) CW(G)	W

Set the preferred Profile by the CASAMBI APP available at [www.casambi.com](http://www.casambi.com)

*Download Casambi app from App store or Google play. For the correct functioning of the Casambi app refer to the Casambi website: <http://www.casambi.com>. The Casambi App is provided to you by Casambi. OSRAM shall have no liability for the Casambi app and does not make any representations, express or implied, about the availability and/or functionality of the Casambi app. OSRAM shall have no liability for and does not make any representations, express or implied, about the connectivity of Casambi ready products of OSRAM with any other Casambi ready products.*

## Remarks

### – 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  
ETSI EN 300 328  
ETSI EN 301 489-17  
Radio Signal: 2,4-2,483 Ghz, +4dBm

**Ordering information**

Product name	EAN 10	EAN 40	Pieces / box
OT BLE DIM 12-24	4052899557833	4052899557840	20

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