

Light is OSRAM

OSRAM

## OT BLE DIM 12-24

### 12 - 24 V Bluetooth Dimmer

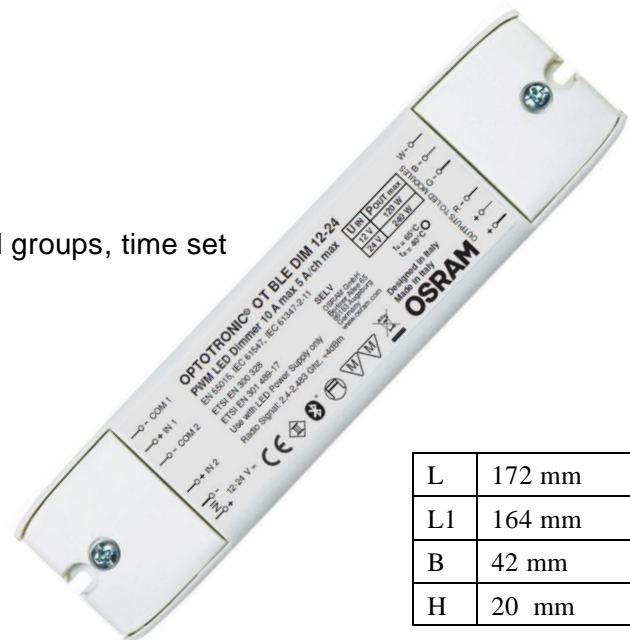
#### Benefits

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\*
- $t_c \text{ max} = 65^\circ\text{C}$
- Wide  $t_a$  range  $-10 \dots +40^\circ\text{C}$
- 50'000 h lifetime at  $t_c$
- 5 years guarantee
- Remote controlled by CASAMBI

\* in combination with OPTOTRONIC®

**Electrical specifications**

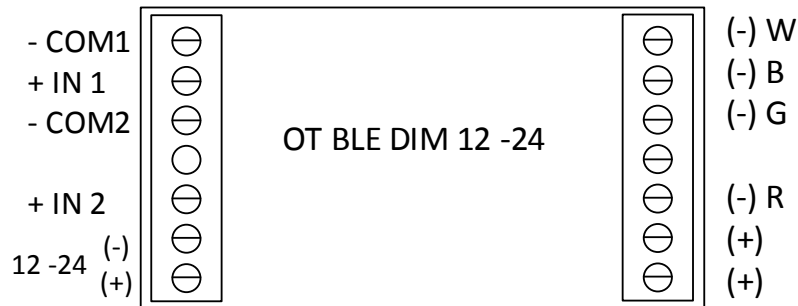
	Item	Value	Unit	Remarks
INPUT	Nominal voltage	12 - 24	V <sub>DC</sub>	
	Mains frequency	0	Hz	
	Maximum voltage	26.4	V <sub>DC</sub>	
	ECG Efficiency	98	%	
	Power loss in stand-by mode	< 500	mW	
	Protection class	III		
	Suitable for fixtures with prot Class	I / II		
OUTPUT	Nominal output voltage	12 - 24	V	
	Nominal output power	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		
	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)

**Remarks**

**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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