The trusted value of OSRAM Digital Systems continues with Inventronics Global – where experience meets innovation.

OTi DALI DIM 1-4CH D

CV Dimmers with DALI

Product family features

- Intelligent digital dimmer (DALI) with constant output voltage
- Dimming range: 0…100 %
- Device fits also for special applications where dimming below 1 % is required

Product family benefits

- Very precise dimming thanks to digital light control

Specifications are subject to changes without notice.

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

Areas of application

- Suitable for indoor installations
- Separate installation (ceiling mounting)

Specifications are subject to changes without notice.
© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

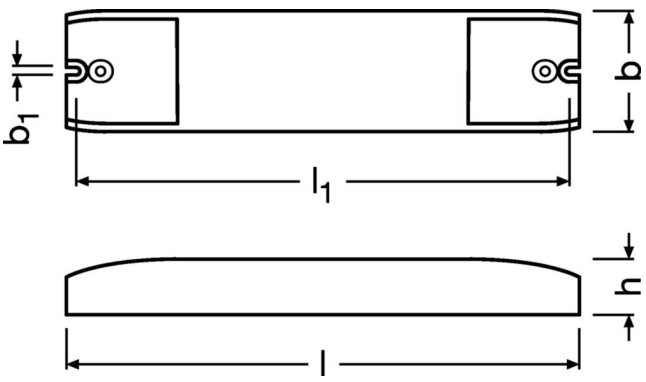
Technical data

Electrical data

Nominal input voltage	12…48 V
Mains frequency	0 Hz
Nominal output voltage	12…48 V
Nominal output power	240 W
Galvanic isolation	SELV

Specifications are subject to changes without notice.
© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

Dimensions & weight



Length	181.0 mm
Width	42.0 mm
Height	20.0 mm
Mounting hole spacing, length	175.5 mm
Cable cross-section, input side	0.5…2.5 mm²
Cable cross-section, output side	0.5…2.5 mm²
Wire preparation length, input side	5…8 mm
Wire preparation length, output side	5…8 mm
Product weight	86.00 g

Colors & materials

Casing material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C
Maximum temperature at tc test point	60 °C
Max.housing temperature in case of fault	110 °C
Temperature range at storage	-40…+85 °C
Permitted rel. humidity during operation	5…85 % [1)]

1) Maximum 56 days/year at 85 %

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

Lifespan

ECG lifetime	50000 h

Capabilities

Dimmable	Yes
Dimming interface	DALI-2 / Corridor / Touch DIM
Dimming range	1…100 %
Dimming method	PWM
Suitable for fixtures with prot. class	I / II
Type of connection, input side	Screw terminal
Type of connection, output side	Screw terminal
Number of channels	4
Overheating protection	Automatic reversible
Short-circuit protection	Automatic reversible
Intended for no-load operation	No
No-load proof	Yes

Specifications are subject to changes without notice.
© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

Certificates & standards

Approval marks – approval	CE / EAC / RCM / ENEC 05
Standards	IEC 61347-2-13 / EN 62384 / EN 55015 / EN 61547
Type of protection	IP20

Logistical data

Commodity code	85371098990

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	28-02-2025
Primary Article Identifier	4062172166010 | 6977078992053
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

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.

© 2024,Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

Download Data

File		
Product Datasheet	PDF	►OTI DALI DIM 1 4 CH D TDS 310821
Certificates	PDF	►ENEC certificate OTi DALI DIM 1-4CH D
CAD data 3-dim	Compressed	►3D STEP file
CAD data 3-dim	Compressed	►OTi DALI DIM 1-4CH D _ 3D stp file
Mandatory Publications	PDF	►OTI DALI DIM 1 4 CH CE 4312383 01 160823
Mandatory Publications	PDF	►OTI DALI DIM 1 4 CH UK DoC 4312420 01 180923
User instruction	PDF	►OTi DALI DIM 1 4CH D UI G15129260

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172166010 OSRAM	OTi DALI DIM 1-4CH D	Shipping carton box 20 Pieces	229 x 197 x 133 mm	6.00 dm³	104.40 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM