

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

DALI-2 SENSOR LS/PD LB LI (NEW)

Sensors for light management systems



Product family features

- Light and motion sensor for luminaire installation
- Motion detection via passive IR element
- Light sensor operating range: 5...2000 lx (measured at sensor)
- Detection height up to 3,5 m
- Function indicator LED
- Intended for installation into a standard ½" knockout

Product family benefits

- Design freedom due to compact size
- Protection Class IP65 (In installed condition)
- Easy to integrate in luminaire
- DALI-2 certified
- DALI Bus powered (No mains connection necessary)
- Multiple sensors connectable to the same DALI line
- Shutter included to optimize sensor detection
- Integreable in light- and building management systems supporting DALI-2 sensors

Areas of application

- Industry
- Rack storage
- Corridor
- Production areas
- Underground Parking

Technical data

Electrical data

Required DALI current (typical)	6 mA
Peak DALI current	6 mA
Maximum start-up time (DALI)	600 ms
System wattage	0.1 W

Dimensions & weight

Product weight	21.00 g
Mounting depth	36.5 mm
Length	37.0 mm
Width	37.0 mm
Height	57.0 mm
Mounting hole diameter	22.2...23.2 mm
Screw thread length	25 mm
Diameter	37.0 mm

Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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Capabilities

Operating range, light sensor	5...2000 lx
Detection angle	20 °
Dimming interface	DALI-2
Detection area	12 m²
Maximum installation height	3.5 m
Type of installation	Luminaire integration
Control interface	DALI-2

Certificates & standards

Type of protection	IP65
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary Article Identifier	6977078998512
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Date of Declaration	12-12-2025
Declaration No. in SCIP database	cc43ab45-c862-4cbc-93e3-a72271142a62
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
SCIP_ID	

Equipment / Accessories

- Optional: Attachment housing - Batten mount adapter (IP65)

Download Data

File		
CAD data 2-dim	Compressed	► DALI-2 SENSOR LS PD LB LI 2PDF 4549547
CAD data 3-dim	Compressed	► DALI-2 SENSOR LS PD LB LI 3PDF 4549547 120825
CAD data	Compressed	► DALI-2 SENSOR LS PD LB LI IGS 4549547 120825
CAD data	Compressed	► DALI-2 SENSOR LS PD LB LI STEP 4549547 120825
Mandatory Publications	PDF	► DALI-2 SENSOR LS PD CE 4419446 05 180225
Mandatory Publications	PDF	► DALI-2 SENSOR LS PD UKD 4419451 04 180225
User instruction	PDF	► G15129487_UI_DALI-2_SENSOR_LS_PD_xx_LI_04

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977078998512 INVENTRONICS	DALI-2 SENSOR LS/PD LB LI	Shipping carton box 10 Pieces	250 x 190 x 95 mm	4.51 dm ³	49.27 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

Accessories Optional

Product description	Accessory name	Accessory code
DALI-2 SENSOR LS/PD LB LI	DALI LS/PD LI	▶ 4052899043954
DALI-2 SENSOR LS/PD LB LI	LS/PD AP KIT	▶ 4052899173385
DALI-2 SENSOR LS/PD LB LI	LS/PD AP KIT	▶ 6937186116253
DALI-2 SENSOR LS/PD LB LI	DALI LS/PD CI	▶ 4052899930292

Disclaimer

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