

CA SENSOR D HB LI

Light management systems



Product family features

- Smart sensor for High bay applications
- Works with Casambi (Casambi Ready)
- Daylight and Occupancy Sensor Module; DALI Powered
- Enhanced signal strength through external antenna positioning
- Controllable via smart device (IOS / Android)
- Control of Dexal drivers or DALI drivers with additional DALI bus power supply
- Intended for installation into a standard 1/2" knockout
- Works with Inventronics Dexal LED drivers
- Mounting height: max. 17 m

Product family benefits

- Can be integrated in a Casambi wireless network with up to 250 nodes
- Design freedom due to compact size
- Easy to integrate in luminaire
- Minimize internal wiring in combination with D4i drivers

Areas of application

- High-bay warehouse
- Suitable for high installation heights
- Production halls
- Entrance halls

Technical data

Electrical data

Nominal voltage	13,5 ... 22,5 V
Mains frequency	0 Hz
Radio frequency	2.4 GHz
Wireless protocol	Casambi
Standby power	0.3 W
Required DALI current (typical)	10 mA
Peak DALI current	10 mA
System wattage	0.3 W

Dimensions & weight

Product weight	18.20 g
Wire preparation length, input side	7...9 mm
Cable cross-section, input side	0.25...0.75 mm ²
Length	43.5 mm
Width	37.0 mm
Height	57.3 mm
Mounting hole diameter	22.2...23.2 mm
Screw thread length	25 mm
Diameter	not relevant

Colors & materials

Product color	White
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Temperatures & operating conditions

Maximum temperature at tc test point	60 °C
Ambient temperature range	-20...+50 °C
Temperature range at storage	0...70 °C
Permitted rel. humidity during operation	0...90 %

Capabilities

Operating range, light sensor	5...1000 lx
Maximum installation height	17 m
Type of sensor	Daylight / PIR
Type of installation	Luminaire integration
Control output	DALI
Control interface	DALI

Certificates & standards

Approval marks – approval	CE
Protection class	II
Type of protection	IP65

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Primary Article Identifier	6977078997010
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Date of Declaration	29-05-2026
Declaration No. in SCIP database	4b1460c9-b76f-4ce5-b720-d4195b2f3b24
Candidate List Substance 2	Lead
CAS No. of substance 2	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
SCIP_ID	

Download Data

File		
CAD data 2-dim	Compressed	▶ CA SENSOR D4I HB LI 2PDF 4552464 051125
CAD data 3-dim	Compressed	▶ CA SENSOR D4I HB LI 3PDF 4552464 051125
CAD data	Compressed	▶ CA SENSOR D4I HB LI STEP 4552464 051125
CAD data	Compressed	▶ CA SENSOR D4I HB LI IGS 4552464 051125
User instruction	PDF	▶ Casambi Sensor D OF LI HB LI UI 15130566 260825

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977078997010 INVENTRONICS	CA SENSOR D HB LI	Shipping carton box 10 Pieces	250 x 190 x 95 mm	4.51 dm ³	46.47 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