

DALI HF LS LI

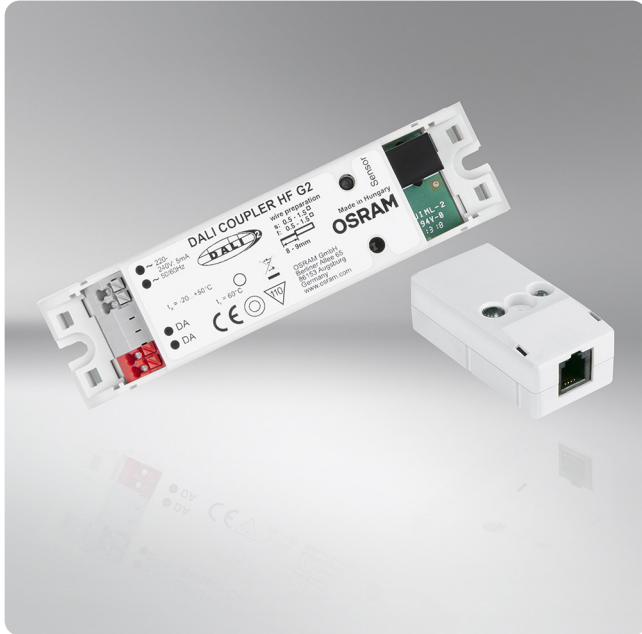
Luminaire Integrated Light and Presence Sensor and DALI Coupler

Date: _____

Quantity: _____

Company: _____

Project: _____



The **DALI HF LS LI** is a High-Frequency Light Sensing Luminaire Integrated Sensor and Coupler designed to incorporate light and presence sensing control of your DALI luminaire into the Encelium X Lighting Control System.

The **HF LS LI Sensor** includes both a light and a presence sensor which utilize an active radar element, allowing a wide range of mounting heights, from 2 to 13 m (6.6 to 43 ft).

The HF LS LI Sensor is used with a **DALI HF LS LI Coupler**, which connects the sensor to your DALI network. Both pieces come equipped to integrate into your luminaire. If independent mounting is preferred, there is a separate ceiling integration kit (ECO CI Kit) available for purchase.

Works with

- Encelium X
 - ▶ DALI Wired



Key Features & Benefits

- Designed for luminaire integration
- Works with the Encelium DALI Manager to connect the light and presence sensor to a DALI system
- Wide range of mounting heights from 2 to 13 m (6.6 to 43 ft)

DALI HF LS LI Coupler Specifications

SENSING AND CONTROL

Sensing

- Works with HF LS LI Light and Presence Sensor

Control

- DALI Communication

ELECTRICAL

Power Consumption

- 2 mA – DALI
- 0.35 W at 230V, 50/60 Hz

ENVIRONMENTAL

Operating Temperature

- -20° to 50°C (-4° to 122°F)

PHYSICAL

Dimensions (H x W x D)

- 21 x 118 x 30 mm (0.83 x 4.6 x 1.18 inches)

Weight

- 50 g (1.8 oz)

Housing Color

- White

Housing Material

- Plastic

Mounting Options

- Luminaire Integration
- Independent Ceiling Integration is optional and requires the purchase of ECO CI KIT

WARRANTY

- Standard warranty is in effect for a period of five (5) years from the date of shipment.¹

CERTIFICATIONS & SAFETY

Approbations

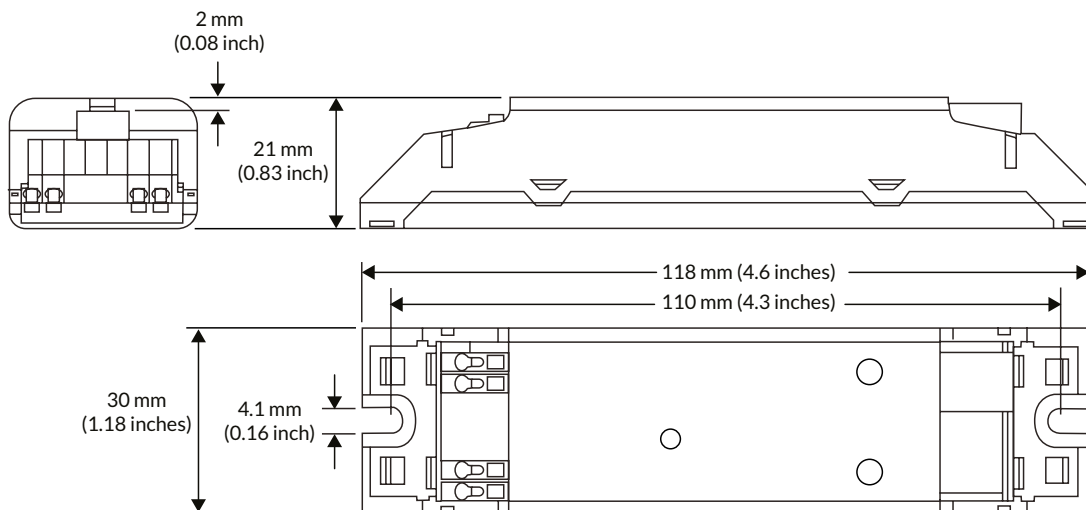
- CE

Environmental Suitability

- IP20



Dimensions



Footnotes:

¹ This does not apply to: (1) damage caused by accident, mishandling, or dropping; (2) materials which have been subject to unauthorized repair; (3) materials not used in accordance with instructions; (4) ordinary wear and tear.

DALI HF LS LI Sensor Specifications

SENSING AND CONTROL

Sensing

- Third-party presence sensing via dry contact
- Third-party light sensing via 0-10V

Light Sensor Operating Range

- 20 to 800 lux (approximately)

ELECTRICAL

Power Consumption

- 0.45 W at 230V, 50/60 Hz

ENVIRONMENTAL

Ambient Temperature Range

- -20° to 50°C (-4° to 122°F)

PHYSICAL

Dimensions (H x W x D)

- 21 x 56 x 28 mm (0.83x 2.2 x 1.1 inches)

Weight

- 22 g (0.78 oz)

Housing Color

- White

Housing Material

- Plastic

Mounting Options

- Luminaire Integration

Mounting Height

- 2 to 13 m (6.6 to 43 ft)

Detection Area

- Ø6 m (0.25 inch) maximum

Detection Angle

- 35° to 80°

WARRANTY

- Standard warranty is in effect for a period of five (5) years from the date of shipment.¹

CERTIFICATIONS & SAFETY

Approbations

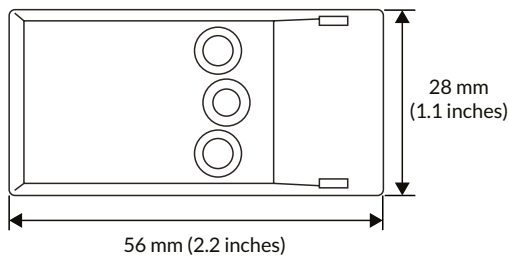
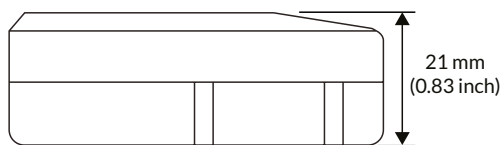
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Environmental Suitability

- IP20



Dimensions



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ECO CI KIT Specifications

PHYSICAL

Dimensions (H x W x D)

- ECO CI KIT installed on DALI HF LS LI Coupler
23 x 33 x 146 mm (0.9 x 1.3 x 5.7 inches)

Weight

- 20 g (0.7 oz)

Housing Color

- Green

Housing Material

- Plastic

Mounting Options

- Independent Ceiling Integration strain relief housing kit for WLC, DALI HF LS LI Coupler, and DALI Sensor Coupler E

WARRANTY

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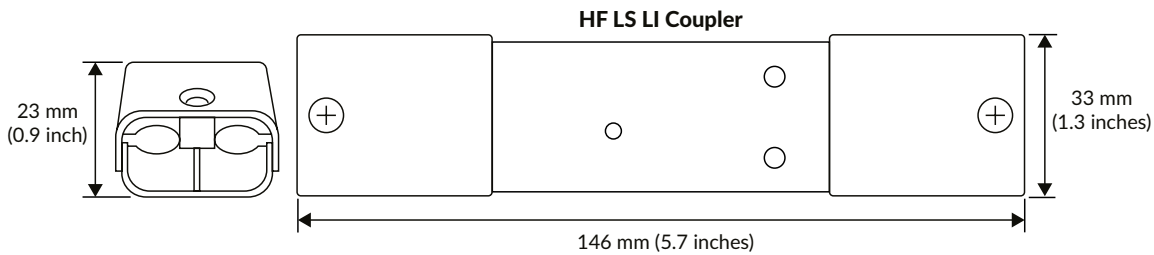
CERTIFICATIONS & SAFETY

Approbations

- CE



Dimensions



Ordering Information

Catalog Number	Description	Approbation	Communication Network
DALI COUPLER HF G2	DALI HF LS LI Coupler	CE	DALI
HF-LS-LI	HF LS LI Sensor	CE	—
HF 4P4C 25	4p4c Connector Cable (25cm)	CE	—
ECO-CI-KIT	ECO CI KIT	CE	—

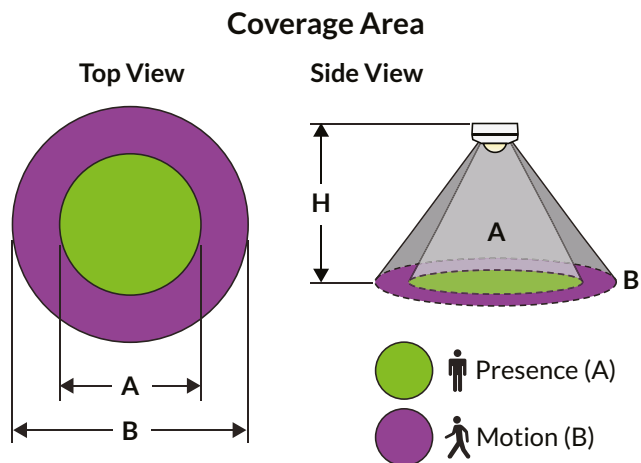
Notes:

- The DALI HF LS LI Coupler requires one sensor per coupler (e.g. HF LS LI Sensor) for luminaire mount installations.
- 4p4c Connector cable is required to connect the HF-LS-LI sensor to the Coupler.
- The HF LS LI and ECO CI KIT are sold separately. The ECO CI KIT is required for independent ceiling mount installations only.

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Sensor Coverage

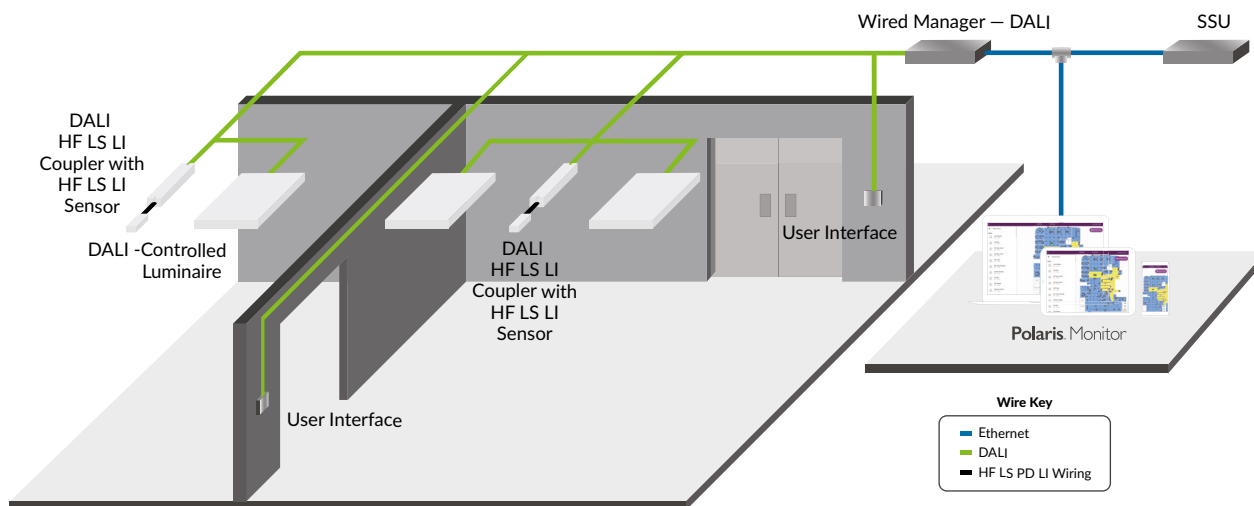


Sensor Detection Range

	Presence	Motion
Mounting Height (H)	8 m (26.2 ft)	13 m (43 ft)
Detection Range	15 m (49.2 ft)	25 m (82 ft)
Coverage Area	35° x 80°	35° x 80°

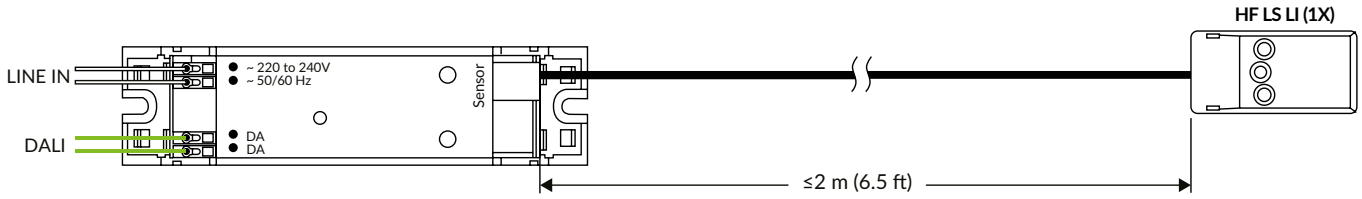
Wired System Overview

Encelium Extend enables you to control DALI devices. With any Encelium wired design, you get a reliable, lighting control system that can be installed quickly and easily.



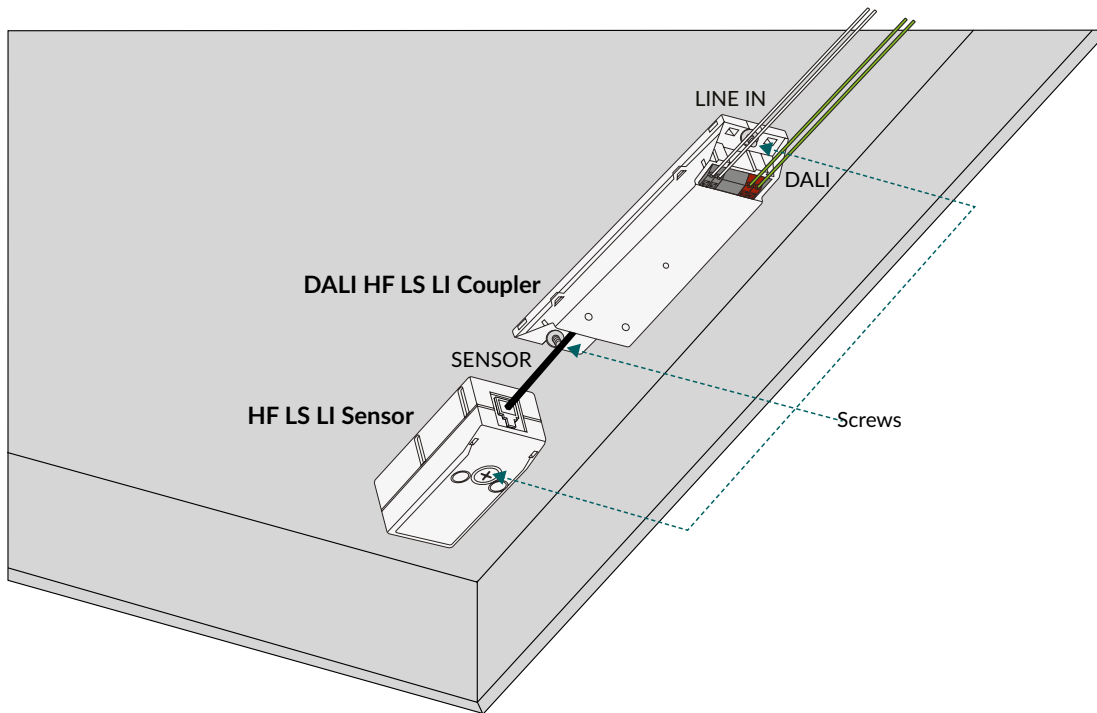
Wiring Diagram

DALI HF LS LI Wiring



Mounting Options

Luminaire Integration



Independent Ceiling Integration

