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ENCELIUM High Bay Sensor Instruction Manual

Contents

ENCELIUM High Bay Sensor

GETTING STARTED

OVERVIEW
The High-Bay Sensor is a motion sensor ideal for industrial lighting applications, such as production halls. The High-Bay Sensor can be used as a standalone solution or as part of the Encelium X Lighting Control System with the addition of a DALI High-Bay Adapter. For more information on product specifications and design tools visit **encelium.com**.

PRODUCT SAFETY

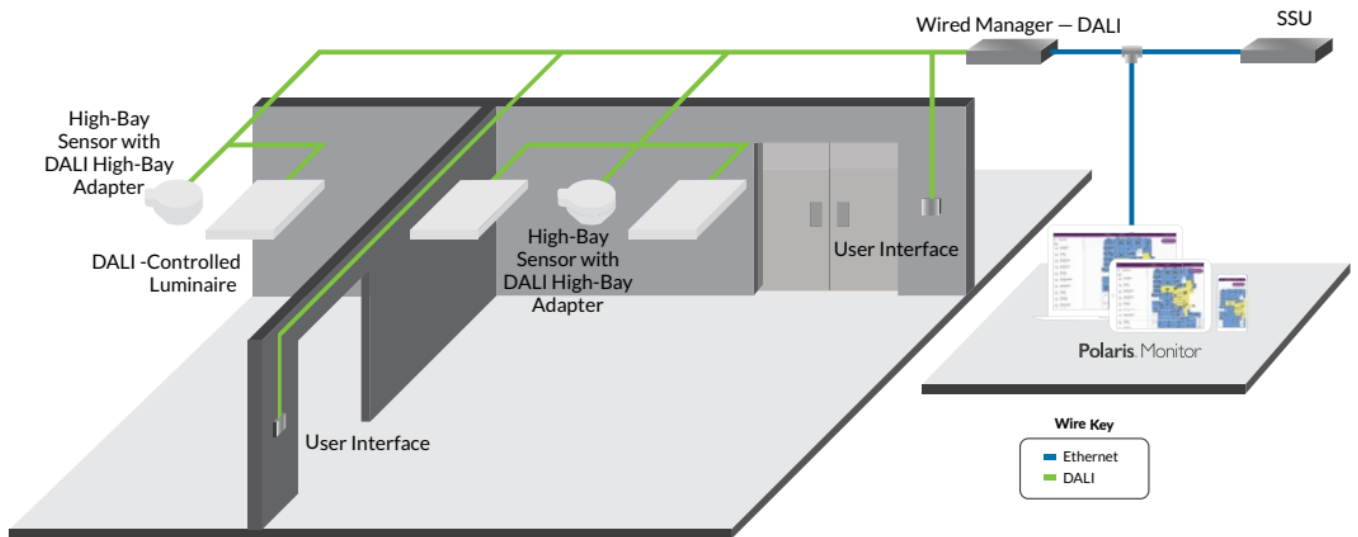### READ THESE INSTRUCTIONS BEFORE USING THE PRODUCT
When using electrical equipment, basic safety precautions should always be followed, including the following:

- Do not mount near gas or electric heaters or let power supply cords touch hot surfaces.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- The use of accessory equipment is not recommended by Encelium as it may cause an unsafe condition.
- All DALI channels are internally connected together to the control unit. Make sure to consider this when installing.
- Do not use this equipment for other than the intended use.
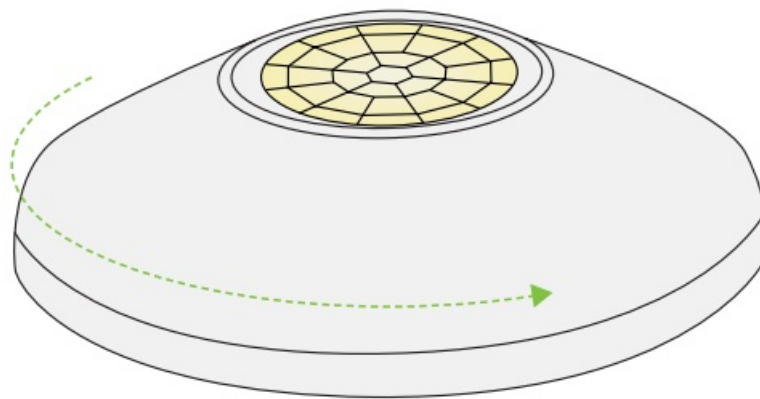 **SAVE THESE INSTRUCTIONS**

WIRED SYSTEM OVERVIEW

Encelium X 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.

High-Bay Sensor with DALI High-Bay Adapter

DALI-Controlled Luminaire

High-Bay Sensor with DALI High-Bay Adapter

User Interface

User Interface

Wired Manager — DALI

SSU

Polaris. Monitor

Wire Key
- Ethernet
- DALI

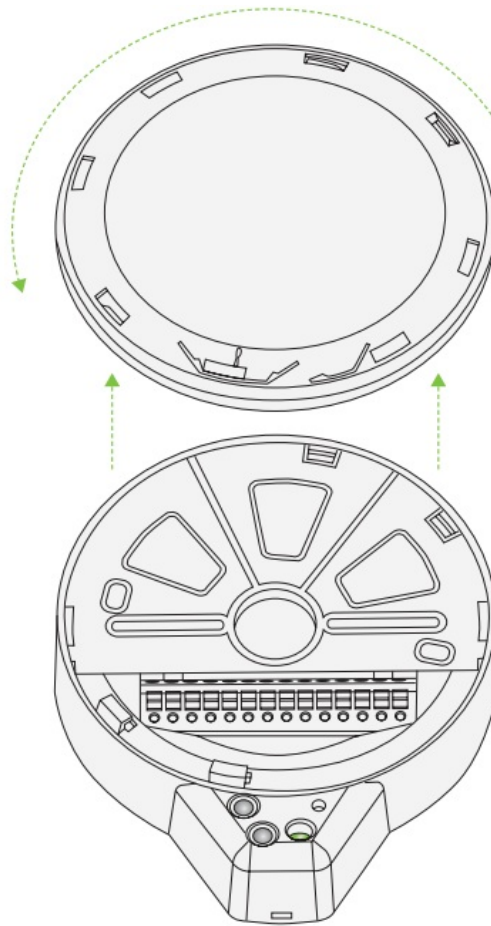## INSTALLATION INSTRUCTION

- **STEP 1**

  Remove the High-Bay Sensor cover by turning it counterclockwise. Place cover aside.

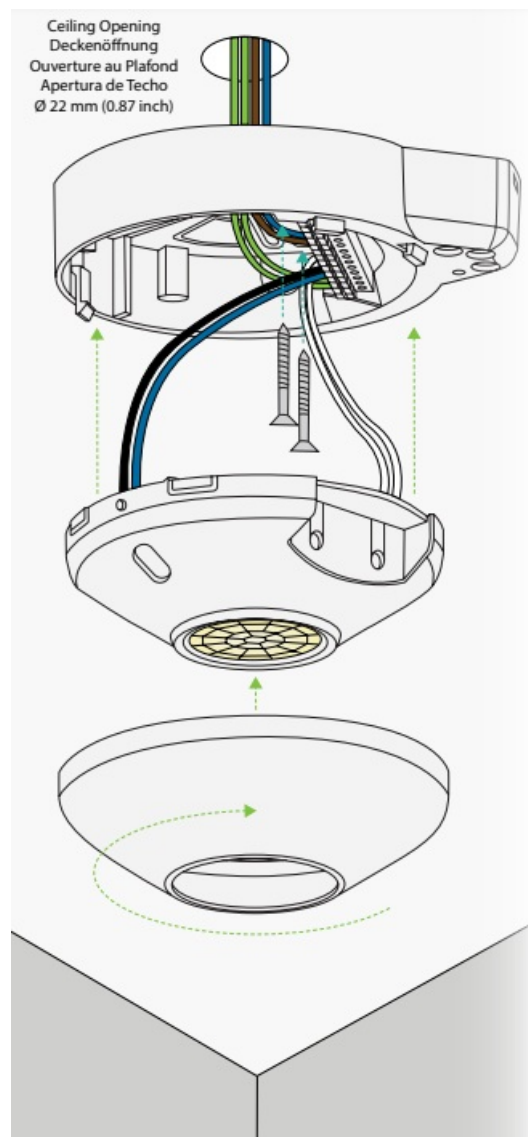Proceed to Step 2 if you are installing the High-Bay Sensor into the DALI High-Bay Adapter.

- **STEP 2**

  Remove the cover plate by turning counterclockwise and lifting up. The included cover plate is not needed when the High-Bay Sensor is mounted into the DALI High-Bay Adapter.
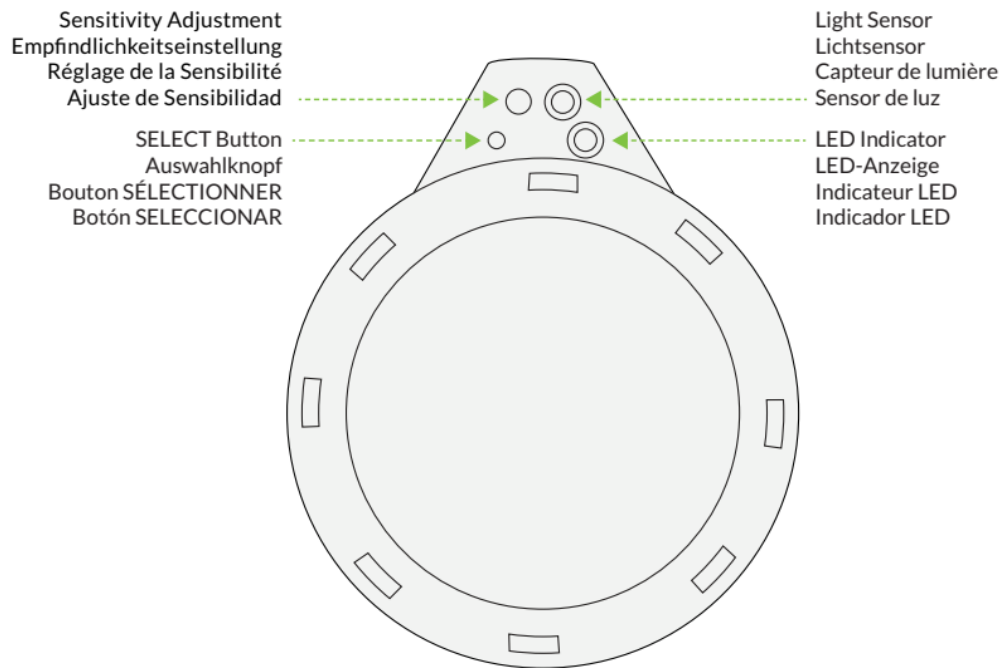
- **STEP 3: CEILING INTEGRATION WITH DALI HIGH-BAY ADAPTER**

  Cut a Ø 22 mm (0.87 inch) hole in the ceiling. Line up the DALI High-Bay Adapter holes to the ceiling hole and screw into the ceiling. Connect the Mains and DALI wires into the DALI High-Bay Adapter connector block. Connect the High-Bay Sensor wires into the DALI High-Bay Adapter connector block. Place the High-Bay Sensor into the DALI High-Bay Adapter and push until it clicks into place. Then install the High-Bay Sensor Cover by turning clockwise until it is secure.

Ceiling Opening
Deckenöffnung
Ouverture au Plafond
Apertura de Techo
Ø 22 mm (0.87 inch)

DALI HIGH-BAY ADAPTER FEATURES

The DALI High-Bay Adapter features a SELECT Button, Sensitivity Adjustment, Light Sensor, and LED Indicator. To confirm wiring connections quickly press the SELECT Button. If DALI voltage is present the LED Indicator will turn on. Another quick press to the SELECT Button will turn off the LED Indicator, otherwise it will switch off after 30 seconds. The Sensitivity Adjustment allows the lights to be set from bright to dark. The Light Sensor can be adjusted in its sensitivity by a potentiometer for optimize measurement window usage (see the Light Sensitivity Range details below).
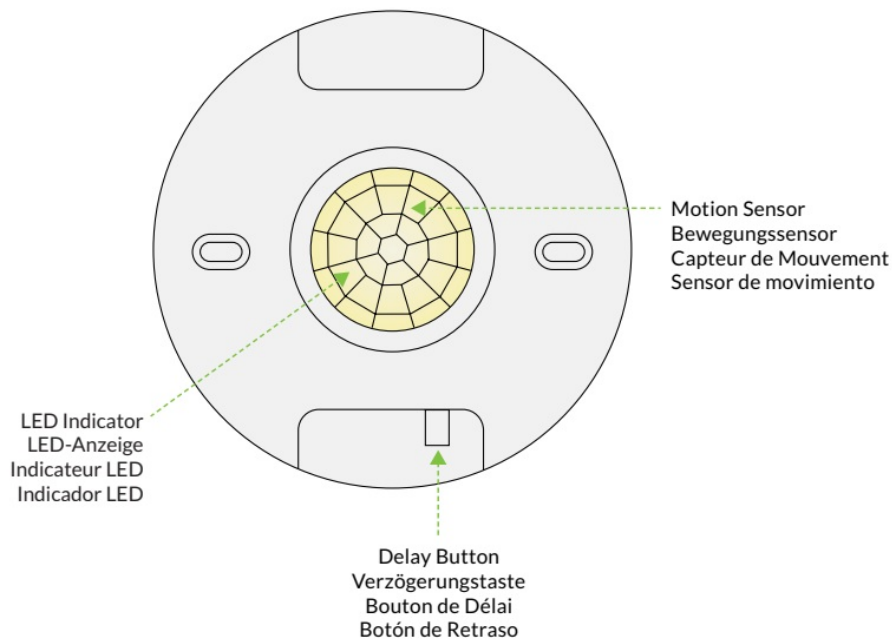
Sensitivity Adjustment
Empfindlichkeitseinstellung
Réglage de la Sensibilité
Ajuste de Sensibilidad

SELECT Button
Auswahlknopf
Bouton SÉLECTIONNER
Botón SELECCIONAR

Light Sensor
Lichtsensor
Capteur de lumière
Sensor de luz

LED Indicator
LED-Anzeige
Indicateur LED
Indicador LED

Light Sensitivity Range

Mounting Height Montagehöhe Hauteur de Montage Altura de Montaje	Bright Hell Brillant Brillante	Gray Grau Gris Gris	Black Schwarz Noir Negro
5 to 8 m (16.4 to 26.5 ft)	1		
7 to 10 m (23 to 33 ft)		3	
10 to 13 m (33 to 42.6 ft)			5

HIGH-BAY SENSOR FEATURES

The High-Bay Sensor features an LED Indicator, Motion Sensor, and Delay Button. The Delay Button is used to set the delay between 10 seconds and 20 minutes (see the Delay Button Settings details below).
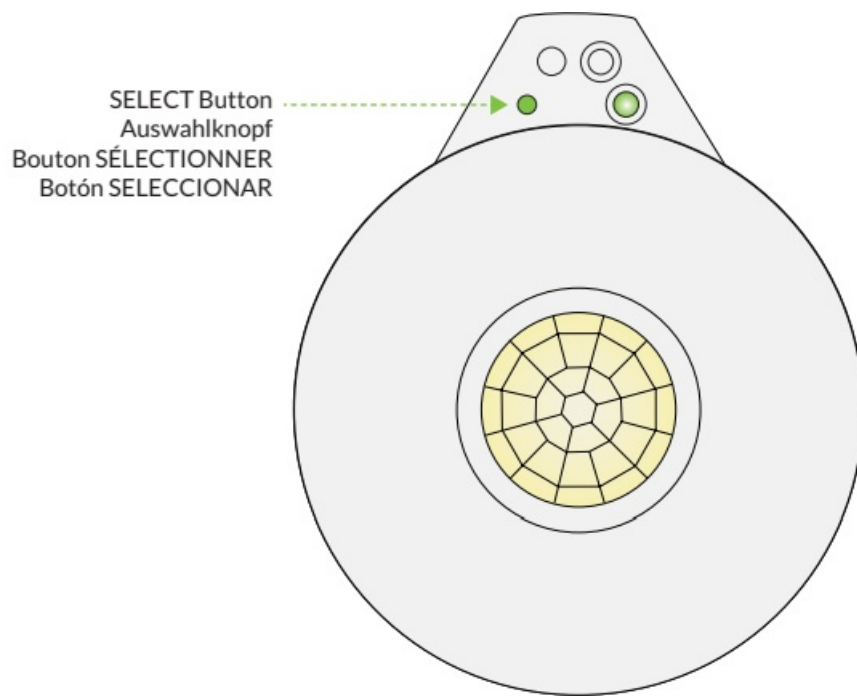
Motion Sensor
Bewegungssensor
Capteur de Mouvement
Sensor de movimiento

LED Indicator
LED-Anzeige
Indicateur LED
Indicador LED

Delay Button
Verzögerungstaste
Bouton de Délai
Botón de Retraso

Delay Button Settings

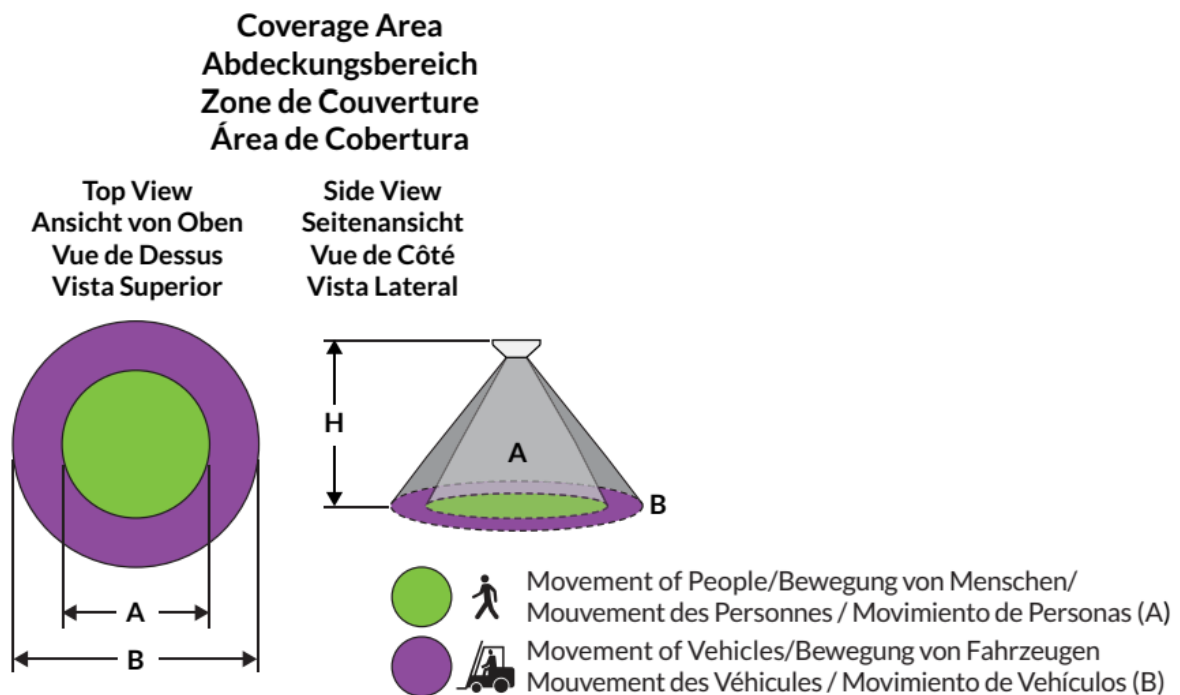| Number of Button Presses Anzahl der Tastendrücke Nombre de Pressions sur les Boutons Número de Pulsaciones de Botones	Delay Setting Verzögerungseinstellung Réglage du Délai Configuración de Retraso
1X	30 Second Delay / 30 Sekunden Verzögerung / Délai de 30 Secondes / Retraso de 30 Segundos
2X	2.5 Minute Delay / 2.5 Minuten Verspätung / Délai de 2.5 Minutes / Retraso de 2.5 Minutos
3X	5 minute delay / 5 Minuten Verspätung / Délai de 5 Minutes / Retraso de 5 Minutos
4X	7.5 Minute Delay / 7.5 Minuten Verspätung / Délai de 7.5 Minutes / Retraso de 7.5 Minutos
5X	10 Minute Delay / 10 Minuten Verspätung / Délai de 10 Minutes / Retraso de 10 Minutos
6X	12.5 Minute Delay / 12.5 Minuten Verspätung / Délai de 12.5 Minutes / Retraso de 12.5 Minutos
7X	15 Minute Delay (default) / 15 Minuten Verspätung (Werkseinstellung) / Délai de 15 Minutes (par défaut) / Retraso de 15 Minutos (predeterminado)
8X	17.5 Minute Delay / 17.5 Minuten Verspätung / Délai de 17.5 Minutes / Retraso de 17.5 Minutos
9X	20 Minute Delay / 20 Minuten Verspätung / Délai de 20 Minutes / Retraso de 20 Minutos

FACTORY DEFAULT SETTINGS

To reset the DALI High-Bay Adapter to factory default settings, press and hold the SELECT button for approximately 10 seconds. The LED Indicator will blink for 4 seconds.
Note: Resetting to factory default settings will delete the DALI short address and require the device to be re-commissioned. This does not reset the High-Bay Sensor to factory default settings.

SELECT Button
Auswahlknopf
Bouton SÉLECTIONNER
Botón SELECCIONAR

SENSOR DETECTION RANGE

The detection range of the High-Bay Sensor must be set before it can detect motion. Place objects that radiate heat outside the detection area and avoid drafts.
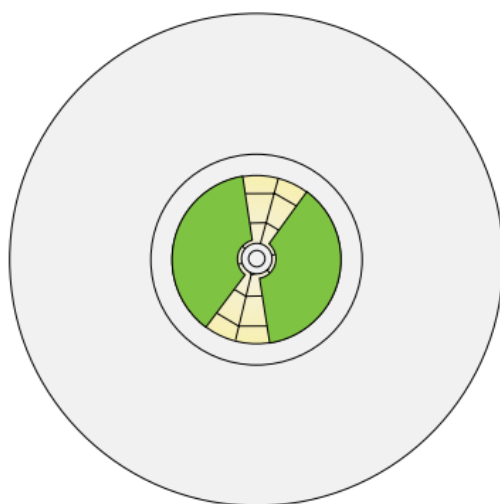

Coverage Area
Abdeckungsbereich
Zone de Couverture
Área de Cobertura

Top View
Ansicht von Oben
Vue de Dessus
Vista Superior

Side View
Seitenansicht
Vue de Côté
Vista Lateral

Movement of People/Bewegung von Menschen/
Mouvement des Personnes / Movimiento de Personas (A)

Movement of Vehicles/Bewegung von Fahrzeugen
Mouvement des Véhicules / Movimiento de Vehículos (B)

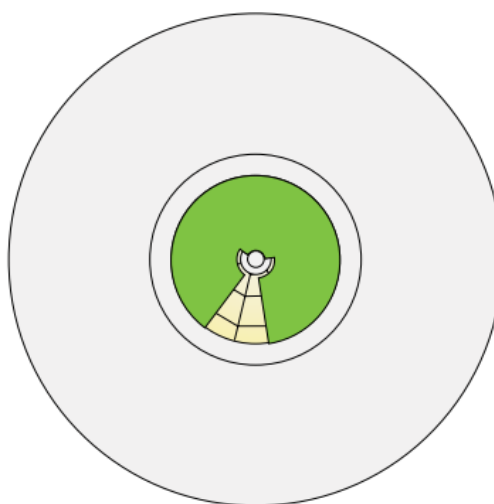**Sensor Detection Range**

	Movement of People (A) Bewegung von Menschen Mouvement des Personnes Movimiento de Personas	Movement of Vehicles (B) Bewegung von Fahrzeugen Mouvement des Véhicules Movimiento de Vehículos
Mounting Height (H) Montagehöhe Hauteur de Montage Altura de Montaje	10 m (26.2 ft)	13 m (43 ft)
Detection Range Erfassungsbereich Portée de Détection Rango de Detección	12 m (39.4 ft)	18 m (50 ft)
Coverage Area Abdeckungsbereich Zone de Couverture Área de Cobertura	360°	360°

SENSOR LENSES

To install one of the supplied sensor lens stickers (middle or end), peel off the adhesive backing and push the adhesive side down onto the lens.

Middle of Passageway/Corridor
Mitte des Durchgangs/Korridors
Milieu du Passage/Couloir
Medio del Pasillo/Corredor

End of Passageway/Corridor
Ende des Durchgangs/Korridors
Fin du Passage/Couloir
Final del Pasillo/Corredor

VISIT OUR HELP CENTER

For instructions to install, configure, test, or use Encelium products or systems, or to contact an Encelium Technical Support Specialist, please scan the QR code or visit **help.encelium.com**.

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Documents / Resources

ENCELIUM High Bay Sensor [pdf] Instruction Manual
High Bay Sensor, Bay Sensor

References

- **Encelium - Exceptional Lighting Management**
- **Encelium Help Center**

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