INSTRUCTIONS

SWISH® FA - EDGE INSTALLATION

RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: marketing@rablighting.com

SWISHFA-EDGE 2X2

SWISHFA-EDGE 2X4

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

RECESSED CEILING MOUNTING

The fixture is suitable only for INDOOR RECESSED CEILING application. Above ceiling access required.

To mount in an insulated or non-insulated ceiling - 9/16" or 15/16" exposed Flat Tee Grid Ceiling follow the steps below.

1. Rotate and slide the **Housing** as required to fit through the **Tee-Grid Bar** and place it as indicated by the directional arrow as shown in Fig. 1.
2. Firmly bend the pre-installed **Grid Clips** *(4)* against the **Tee-Grid Bar** to secure the **Housing** as shown in Fig. 2
3. **Support Wires** are required by installation codes. Support the **Housing** to the building structure by **Support Wires** *(supplied by others)* through the **Support Wire Hole** as shown in Fig. 3.
4. Make sure that the orientation of the **Access Plate** faces an accessible tile to make electrical splices.
5. Loosen screw on **Access Plate** and remove the **Access Plate** *(Fig. 1)*. Knock out appropriate **Conduit Knockouts** on the **Access Plate** to route input conduit. Use appropriate conduit connectors as required by code.
6. Connect wires as shown in wiring diagram *(Fig 4)*. Push all wires back into the **Splice Box.** Be careful not to pinch wires. **WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.**
7. Replace **Access Plate** and tighten **Access Plate Screw.**
8. After installation remove protective film from the outer surface of the lens.

Fig: 1

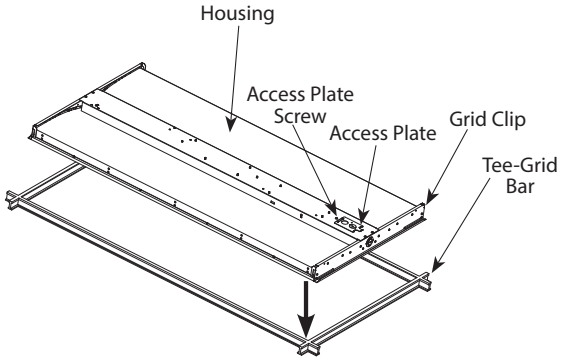


Fig: 2

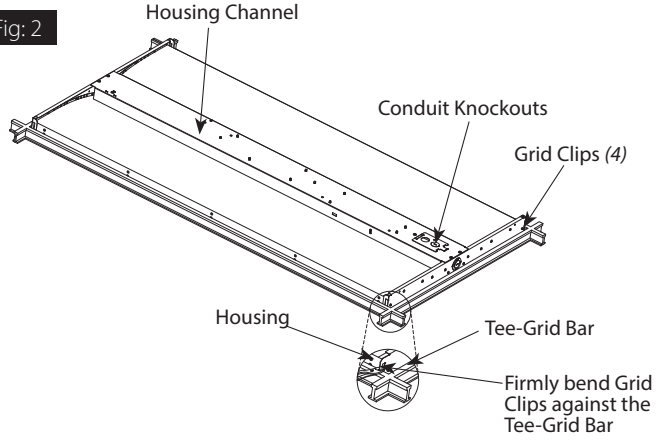
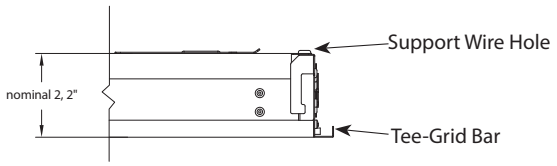


Fig: 3



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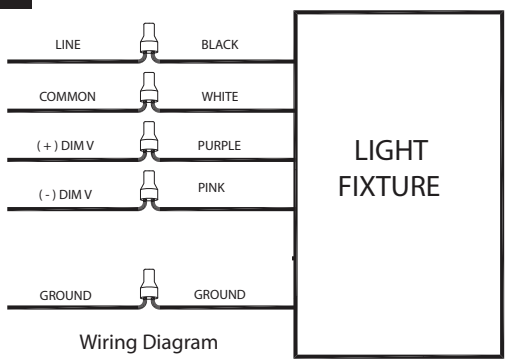
0-10V DIMMABLE WIRING

Universal voltage driver permits operation at 120V through 277V, 50 or 60 Hz. 0-10V control wires must be rated for 300V minimum. For 0-10V dimming follow the wiring directions shown in Fig. 4.

1. Connect the black fixture lead to the **LINE** supply lead.
2. Connect the white fixture lead to the **COMMON** supply lead
3. Connect the **GROUND** wire from fixture to supply **GROUND**. Do NOT connect the **GROUND** of the dimming fixture to the output.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the pink fixture lead to the (V-) DIM lead.

Fig. 4



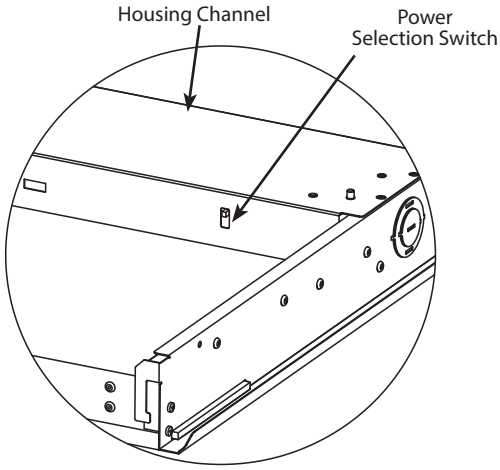
Wiring Diagram

FIELD ADJUSTMENT

Follow instructions below to change the fixture power from the factory settings. Factory Settings: 29W *(2x2)* 39W *(2x4)*

1. Locate the **Power Selection Switch** on the side of the **Housing Channel** as shown in Fig 5.
2. Select the desired power by sliding the respective **Power Selection Switch** up or down to the desired value *(Fig 6)*.

Fig. 5



CLEANING & MAINTENANCE

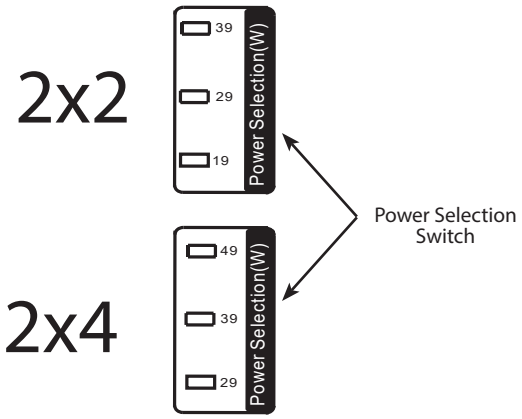
CAUTION: Be sure fixture temperature is cool enough to touch. Do not clean or maintain while fixture is energized.

1. Clean polystyrene lens & fixture with non-abrasive cleaning solution.
2. Do not open fixture to clean the LEDs. Do not touch the LEDs.

TROUBLESHOOTING

1. Check that the line voltage at the fixture is correct. Refer to wiring directions.
2. Is the fixture grounded properly?

Fig. 6



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BATTERY BACKUP MODELS

WIRING

CAUTION: FOR BATTERY BACKUP FIXTURE. Voltage can be present in **BATTERY.** To prevent high voltage from being present on output leads, Inverter connector must be open. Do not join **BATTERY** connector until installation is complete and AC power is supplied to the emergency driver *(Fig. 7)*.
NOTE: Make sure that the necessary branch circuit wiring is available. An UNSWITCHED AC source of power is required. The emergency driver must be fed from the same branch circuit as the LED driver.
CAUTION: Do not use any supply voltage other than 120-277V 50/60 HZ.

1. Connect **UNSWITCHED HOT** fixture lead to **HOT AC** supply line.
2. If using an **UNSWITCHED** circuit, connect **UNSWITCHED** and **SWITCHED** lines together.
3. If using a **SWITCHED** circuit, connect **SWITCHED HOT** AC fixture lead to the external.
4. For 0-10V dimming connect **DIM** (+) purple and **DIM** (-) pink leads to dimming circuit.
5. After installation is complete supply AC power to the fixture and connect the **BATTERY.**
6. When power is on the fixture should be on and the Charging Indicator Light should illuminate to indicate the battery is charging.
7. Once the BATTERY has charged for at least one hour a short duration test may be performed by pressing the test button.
8. After the battery has charged for 24 hours a long duration test can be performed by shutting power to the fixture.

OPERATION

1. When AC power is applied, the charging indicator light is illuminated, indicating that the **BATTERY** is being charged.
2. When power fails the standby power automatically switches to emergency power *(internal battery)* operating at reduced illumination. The emergency driver supplies standby power for a minimum of 90 minutes.
3. When AC power is restored, the emergency driver automatically returns to charging mode.

MAINTENANCE

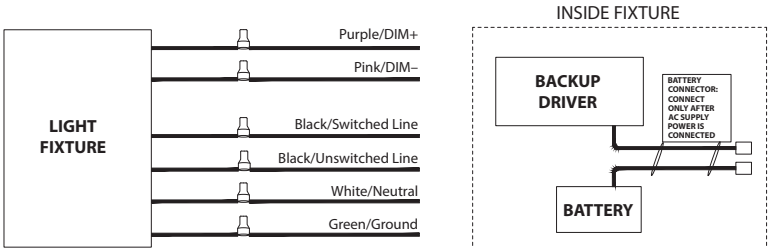
Although no routine maintenance is required to keep the emergency driver functional, it should be checked periodically to ensure that it is working. The following schedule is recommended:

1. Visually inspect the charging indicator light monthly. It should be illuminated.
2. Test the emergency operation of the fixture at 30-day intervals for a minimum of 30 seconds.
3. Conduct a 90-minute discharge test once a year. Fixture would operate at reduced illumination for a minimum of 90 minutes.

TROUBLESHOOTING

1. Is the fixture grounded properly?
2. If the charging indicator light does not illuminate after pressing the test button, check if battery is connected properly.

Fig: 7



Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

Easy Answers

rablighting.com
Visit our website for product info

Tech Help Line
Call our experts: 888 722-1000

e-mail
Answered promptly - sales@rablighting.com

Free Lighting Layouts
Answered online or by request

SWISHFA-EDGE 1122
73670-RAB

RAB WARRANTY: *RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty*

Welcome

Lightcloud®
Luminaire Sensor

WE'RE HERE TO HELP:

1 (844) LIGHTCLOUD

or 1 (844) 544-4825

Hello

The Lightcloud Luminaire Sensor is a dual-technology motion detector and closed loop daylight harvester that can switch and dim both local and remote circuits. The Luminaire Sensor requires a compatible lightcloud controller or fixture.

Specifications

PART NUMBER
Edge: LCLCSENSE/EG
Standard: LCLCSENSE/SH
High Bay: LCLCSENSE/HB

INPUT
5VDC

OPERATING TEMPERATURE
-40°C to 40°C

DIMENSIONS
Ceiling Mount: 2.25"W x 1.74"H x 2.25"D
Edge: 1.30"W x 0.99"H x 2.34"D
Standard: 1.20"W x 1.05"H x 1.20"D
High Bay: 1.75"W x 1.08"H x 1.75"D

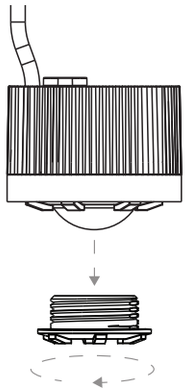
SENSOR COVERAGE
Edge:	20 ft. diameter at 9 ft.
Standard:	30 ft. diameter at 9 ft.
High Bay:	40 ft. diameter at 30 ft.
	50 ft. diameter at 45 ft.

MOUNTING HEIGHT
Edge:	8 to 12 ft.
Standard:	8 to 12 ft.
High Bay:	25 to 45 ft.

CONNECTOR
RJ9 (RJ22)

RATING
Standard and High Bay: IP66

Setup & Installation



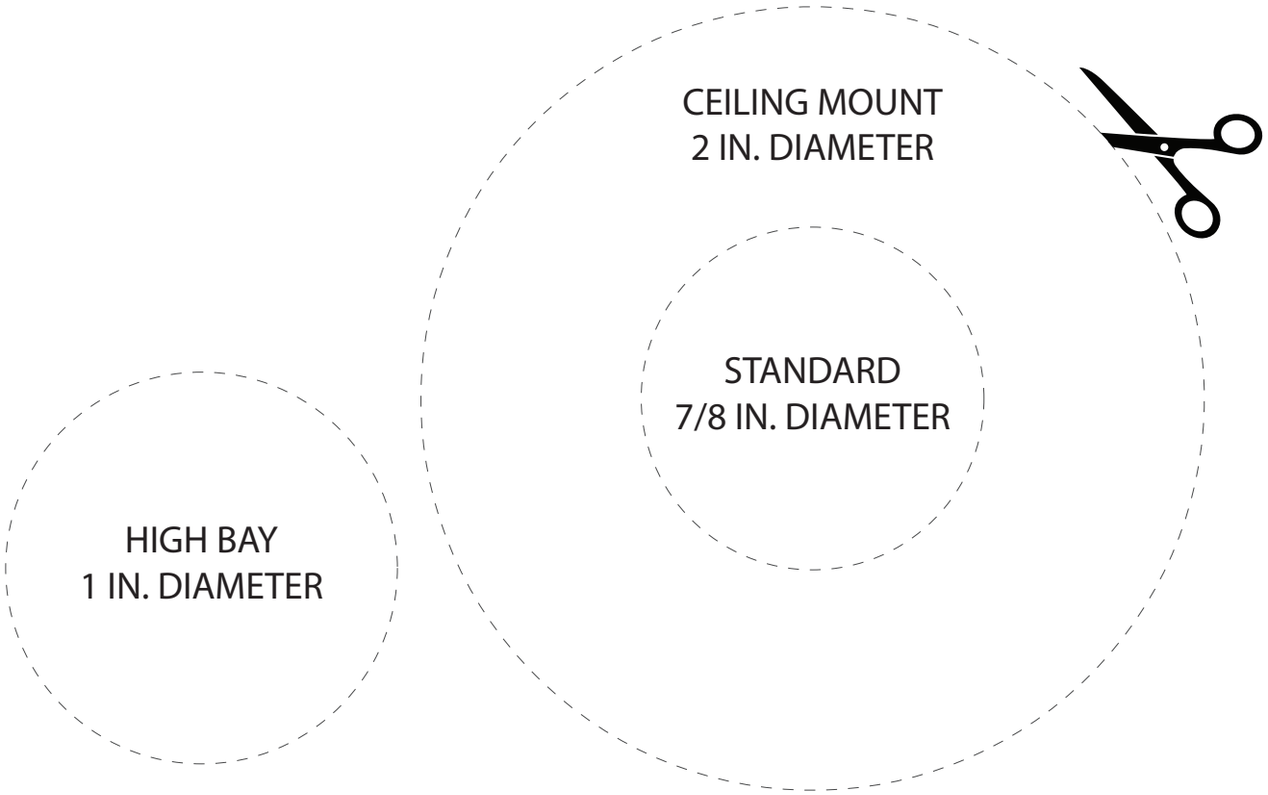
1 Remove Bezel

Twist counter-clockwise.

2 Prepare Mounting Hole

Use knockout or cut hole for sensor.

Holes have +/- 1/8 in. tolerance.

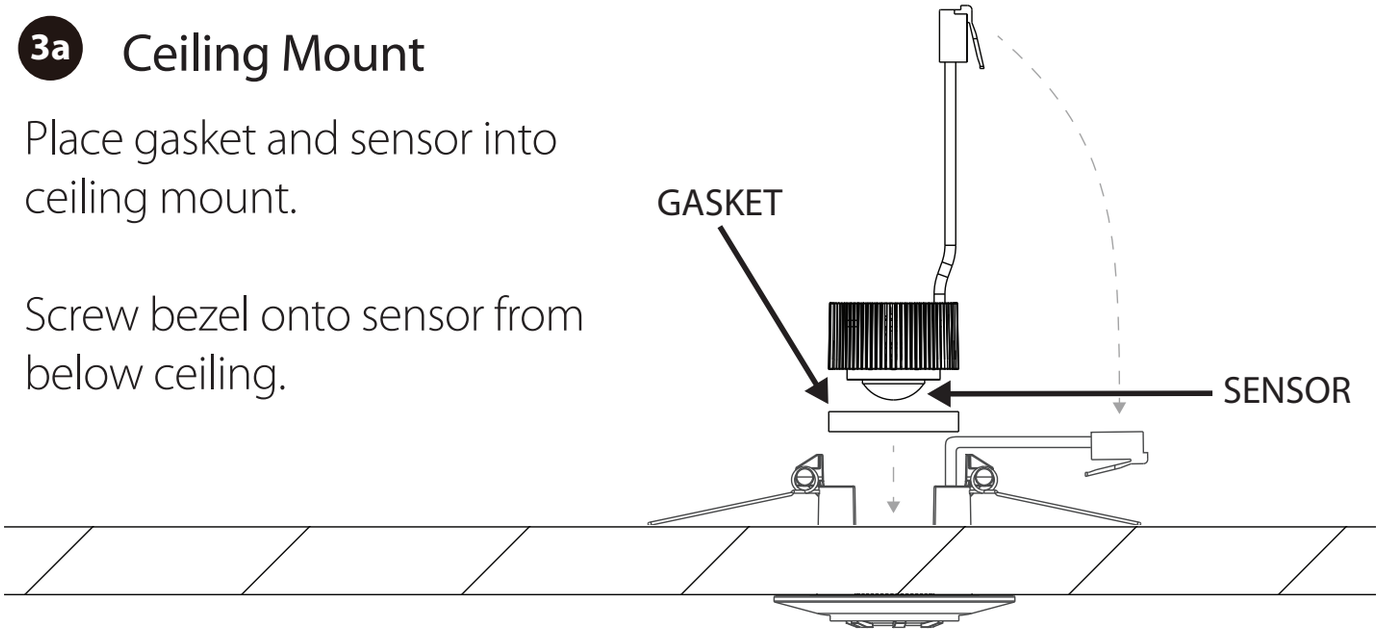


3 Installing the Sensor

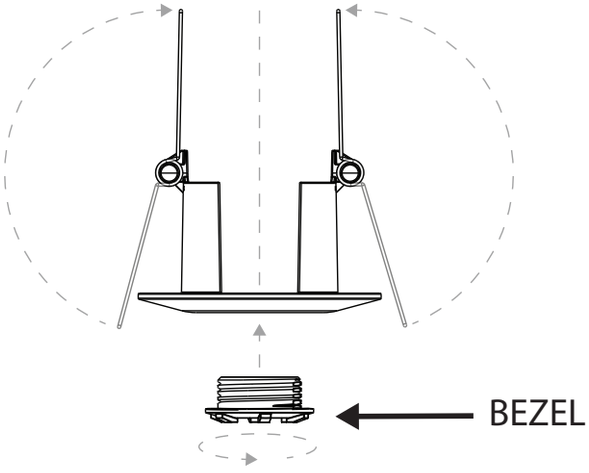
3a Ceiling Mount

Place gasket and sensor into ceiling mount.

Screw bezel onto sensor from below ceiling.

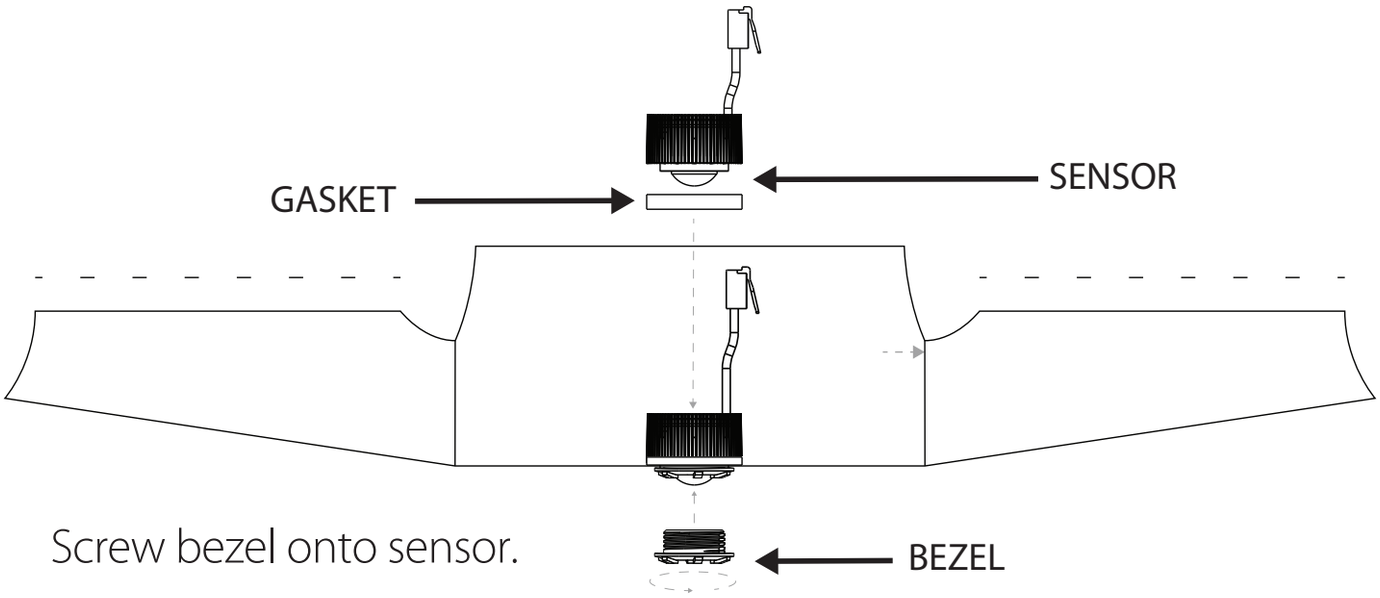


Fold up tabs on ceiling mount and push through hole cut in step 2.



3b In-Fixture Mounting

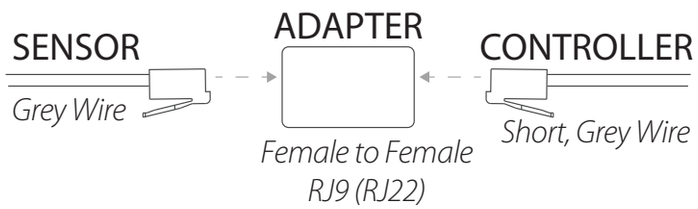
Place gasket and sensor through the hole cut in step 2.



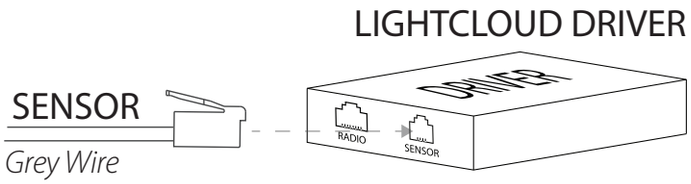
Screw bezel onto sensor.

3 Connect the Sensor

Controller: Use the adapter to connect the sensor to the Controller.



Lightcloud Driver: Plug the sensor into the sensor port on the driver.



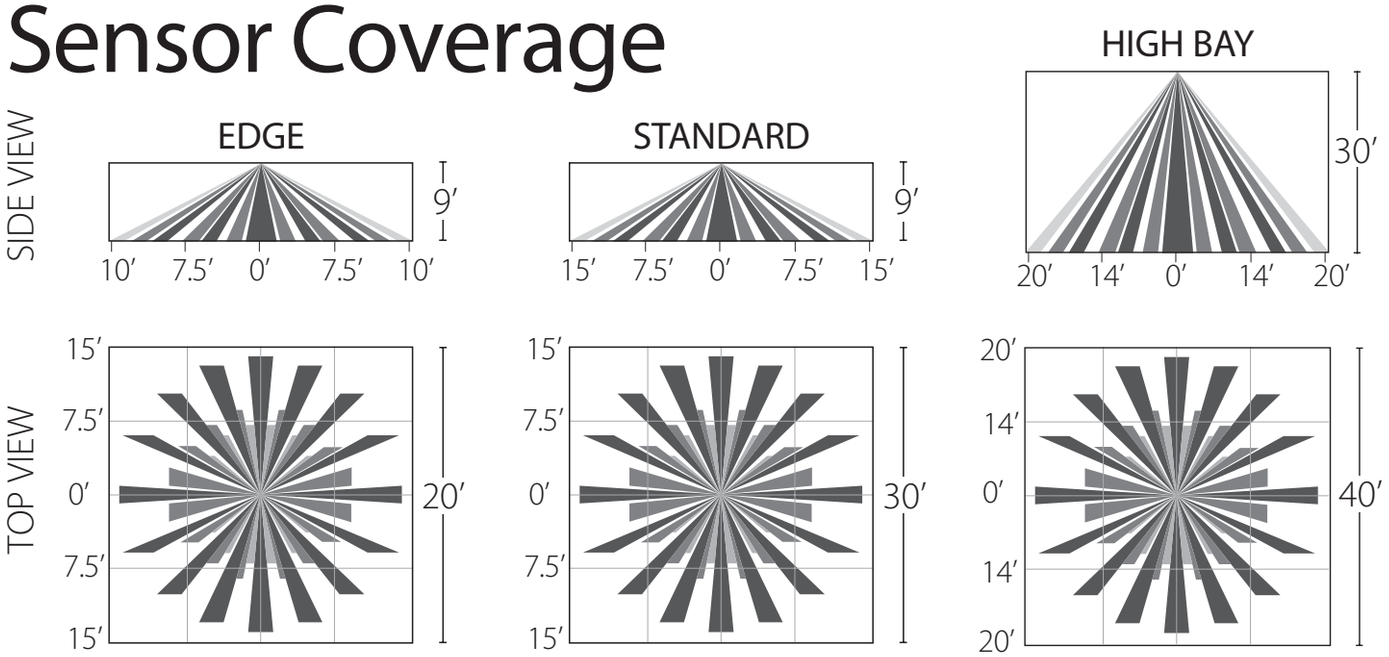
If a longer cable is needed, an extension cable (RJ9) up to 10 ft. can be used.

Configuration

To configure the Luminaire Sensor, please login to the Web App at control.lightcloud.com or call Lightcloud Support at 1(844) Lightcloud.

For additional startup information, please visit lightcloud.com/start.

Sensor Coverage



RAB®

170 Ludlow Ave., Northvale, NJ 07647
Custom manufactured in China

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or 1 (844) 544-4825