INTEGRITY LED

LED WAFER FIRE RATED ROUND

JFR series



DESIGN: LED WAFER FIRE RATED ROUND features a reinforced, heat-resistant steel body with a 2-hour fire resistance rating. It includes a J-box, plug-and-twist connector, and spring-loaded clips for quick, hassle-free installation. Heavy-duty, commercial-grade spring clips accommodate ceilings up to 1-3/4" thick. An acrylic lens with a 110° beam angle and CRI90+ ensures even, high-quality light with smooth dimming capabilities.

VARIETY: This fixture is available in a round shape with 4inch and 6inch sizes, offering 120V or 120-277V options. It features a baffle trim and comes in a White or Black finish.

COLOR SELECTABLE: You can choose either a 2700K soft white, 3000K warm white, 3500K neutral white, 4000K cool white, or 5000K daylight color temperature.

INSTALLATION: This Air Tight, IC-rated fixture requires no can or additional housing. When installed in ceilings compliant with fire-rated building codes, no extra accessories are needed. It is also Wet location rated, making it versatile for various applications.

ADVANTAGES: With a lifespan of 50,000 hours, these fixtures are made to last decades under normal operation! Integrity LED provides a 5-year limited warranty along with ETL certification to guarantee top quality products and safety!

Additionally, our fire rated fixtures are tested to comply with UL 263, ASTM E119, and CAN ULC S101.

White | Black

FINISH

2 hour Fire Rating | IC RATED | AIR TIGHT | Wet location

JFR with flat trim

4 inch



12W 120V
White

6 inch

15W 120V
White

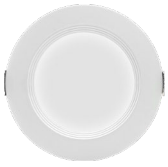
8 inch



20W 120V
White

JFRB-MV with baffle trim

4 inch



12W 120-277V
White

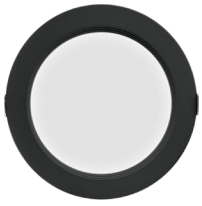


12W 120-277V
Black

6 inch



15W 120-277V
White



15W 120-277V
Black

PRODUCT PRESENTATION

MODEL	SIZE	POWER	VOLTAGE	DIMMING	LUMENS	CCT	FINISH	TRIM	DIMENSIONS	CERTIFICATION
JFR										
IL-JFR-4D12AC-WH	4 inch	12W	120V	Triac	1,002lm	2,700/3,000/3,500/4,000/5,000 K	White	-	4-15/16" x 4-15/16" x 2-1/4"	ETL(5029309), ES, T24, JA8
IL-JFR-6D15AC-WH	6 inch	15W	120V	Triac	1,380lm	2,700/3,000/3,500/4,000/5,000 K	White	-	6-7/8" x 6-7/8" x 2-1/4"	ETL(5029309), ES, T24, JA8
IL-JFR-8D20AC-WH	8 inch	20W	120V	Triac	1,784lm	2,700/3,000/3,500/4,000/5,000 K	White	-	8-13/16" x 8-13/16" x 2-5/16"	ETL(5029309), ES, T24, JA8
JFRB-MV 120-277V										
IL-JFRB-MV-4D12WH	4 inch	12W	120-277V	0-10V	930lm	2,700/3,000/3,500/4,000/5,000 K	White	Baffle trim	4-15/16" x 4-15/16" x 2-3/8"	ETL(5029309), ES, T24, JA8
IL-JFRB-MV-4D12BK	4 inch	12W	120-277V	0-10V	930lm	2,700/3,000/3,500/4,000/5,000 K	Black	Baffle trim	4-15/16" x 4-15/16" x 2-3/8"	ETL(5029309), ES, T24, JA8
IL-JFRB-MV-6D15WH	6 inch	15W	120-277V	0-10V	1,380lm	2,700/3,000/3,500/4,000/5,000 K	White	Baffle trim	6-7/8" x 6-7/8" x 2-5/16"	ETL(5029309), ES, T24, JA8
IL-JFRB-MV-6D15BK	6 inch	15W	120-277V	0-10V	1,380lm	2,700/3,000/3,500/4,000/5,000 K	Black	Baffle trim	6-7/8" x 6-7/8" x 2-5/16"	ETL(5029309), ES, T24, JA8

For the most up-to-date spec sheets, visit integrityled.info

INTEGRITY LED
Commercial LED Lighting

Web: integrityled.info
Phone: (830) 538-0991

TECHNICAL PARAMETERS

MODEL	MAX INPUT CURRENT	INRUSH CURRENT	WORK ENVIRONMENT	OPERATING TEMPERATURE	POWER FACTOR	BEAM ANGLE	SURGE PROTECTION	HOUSING FRONT	HOUSING BACK	LENS	CRI
JFR											
IL-JFR-4D12AC-WH	0.1A	0,98A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90
IL-JFR-6D15AC-WH	0.12A	0,92A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90
IL-JFR-8D20AC-WH	0.17A	1A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90
JFRB-MV 120-277V											
IL-JFRB-MV-4D12WH	0.1A	2,66A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90
IL-JFRB-MV-4D12BK	0,1A	2,66A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90
IL-JFRB-MV-6D15WH	0.12A	5,44A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90
IL-JFRB-MV-6D15BK	0,12A	5,44A	Wet location	-4°F to 113°F(-20°C to 45°C)	>0,9	112°	2kV	Aluminum	Iron	PS	>90

ANNEX 1

MODEL	WATTS	2,700 K	3,000 K	3,500 K	4,000 K	5,000 K
IL-JFR-4D12AC-WH	12W	940 lm	983 lm	1,000 lm	1,002 lm	984 lm
IL-JFR-6D15AC-WH	15W	1,186 lm	1,285 lm	1,360 lm	1,380 lm	1,336 lm
IL-JFR-8D20AC-WH	20W	1,521 lm	1,692 lm	1,784 lm	1,782 lm	1,620 lm
IL-JFRB-MV-4D12BK IL-JFRB-MV-4D12WH	12W	807 lm	847 lm	891 lm	893 lm	930 lm
IL-JFRB-MV-6D15BK	15W	1,186 lm	1,285 lm	1,360 lm	1,380 lm	1,336 lm
IL-JFRB-MV-6D15WH	15W	1,186 lm	1,285 lm	1,360 lm	1,380 lm	1,336 lm

DIMMING COMPATIBLE CONTROLS

BRAND	LUTRON			LEVITON		COOPER
Models	DMD-LE3-D	DVCL-153P	PD-6WCL	IPL06-10Z	6672	SI06P
	CTCL-153P	SFTU-5A3P	DV-600P	R50-IPL06-10M	6621	

ORDERING INFORMATION

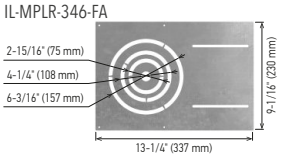
MODEL	PRODUCT DIMENSIONS	WEIGHT	PCS. PER CARTON	CARTON SIZE	CARTON WEIGHT	UPC	GTIN 14
JFR							
IL-JFR-4D12AC-WH	4-15/16" x 4-15/16" x 2-1/4"	1.0 lbs(0.5kg)	6	12.52" x 6.77" x 9.25"	8.6 lbs	81012811148	20810128111489
IL-JFR-6D15AC-WH	6-7/8" x 6-7/8" x 2-1/4"	1.3 lbs(0.6kg)	6	14.88" x 7.56" x 9.25"	10.4 lbs	81012811149	20810128111496
IL-JFR-8D20AC-WH	8-13/16" x 8-13/16" x 2-5/16"	1.8 lbs(0.8kg)	4	19.61" x 9.92" x 7.56"	9.0 lbs	81019020340	10810190203405
JFRB-MV 120-277V							
IL-JFRB-MV-4D12WH	4-15/16" x 4-15/16" x 2 -3/8"	1.1 lbs(0.5kg)	6	13.15" x 6.81" x 9.72"	9.0 lbs	81012811504	10810128115046
IL-JFRB-MV-4D12BK	4-15/16" x 4-15/16" x 2-3/8"	1.1 lbs(0.5kg)	6	13.15" x 6.81" x 9.72"	9.0 lbs	81012811782	10810128117828
IL-JFRB-MV-6D15WH	6-7/8" x 6-7/8" x 2-5/16"	1.3 lbs(0.6kg)	6	14.88" x 7.56" x 9.25"	10.4 lbs	81012811505	10810128115053
IL-JFRB-MV-6D15BK	6-7/8" x 6-7/8" x 2-5/16"	1.3 lbs(0.6kg)	6	14.88" x 7.56" x 9.25"	10.4 lbs	81012811783	10810128117835

ACCESSORIES

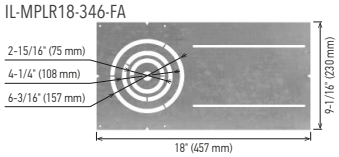
MODEL	PRODUCT DIMENSIONS	PCS. PER CARTON	CARTON SIZE	CARTON WEIGHT	UPC	GTIN 14 IN CARTON
BLD-HM08D	10-7/16" x 1-15/16" x 15/16"	10	17.1" x 14.6" x 11"	19.6 lbs	810128111508	10810128111505
BLD-HM15D	12-15/16" x 1-7/16" x 15/16"	10	17.8" x 13.5" x 9.5"	21.1 lbs	810050734882	10810050734889
IL-EMK-JBR	9-15/16" x 2-13/16" x 1-3/8"	10	7.7" x 6.1" x 5.3"	1.8 lbs	810128110471	10810128110478
IL-MPLR-346-FA-6PACK	13-1/4" x 9-1/16" x 1/16"	4	14.1" x 10.2" x 3.8"	23.6 lbs	810050739344	10810050739341
IL-MPLR18-346-FA-6PACK	18" x 9-1/16" x 1/16"	4	18.9" x 10.2" x 3.8"	32 lbs	810128112826	10810128112823
IL-MPLR-346-FS-6PACK	26" x 8-1/4" x 1/16"	4	26.9" x 9.5" x 3.8"	26.4 lbs	810050739351	10810050739358
IL-MPLR-4-FS-6PACK	26" x 8-1/4" x 1/16"	4	26.89" x 9.45" x 3.82"	26.2 lbs	81019020256	10810190202569
IL-MPLR-6-FS-6PACK	26" x 8-1/4" x 1/16"	4	26.89" x 9.45" x 3.82"	26.3 lbs	81019020257	10810190202576
IL-MPLR-81012-FS-6PACK	26" x 13" x 1/16"	4	27" x 13.8" x 3.2"	42.9 lbs	810128112840	10810128111574
IL-MPLR-346-SC-6PACK	14-3/8" x 10-9/16" x 1-5/8"	2	17.3" x 11.9" x 13.4"	17 lbs	810050739337	10810050739334
IL-MPLR-81012-SC-6PACK	17-11/16" x 14-3/4" x 1-9/16"	2	21.3" x 17.5" x 15.6"	24.7 lbs	810128111607	10810128111604
IL-EC-10A-6PACK	10"	10	7.7" x 6.1" x 5.3"	1.8 lbs	810128110471	10810128110478
IL-EC-20A-6PACK	20"	10	7.7" x 6.1" x 7.3"	3.1 lbs	810128110488	10810128110485

ACCESSORIES (sold separately)

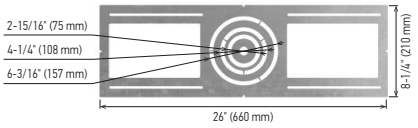
NEW CONSTRUCTION MOUNTING PLATE WITH ASYMMETRIC HOLES 3-4-6"
IL-MPLR-346-FA



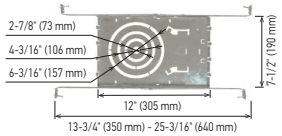
NEW CONSTRUCTION FLAT MOUNTING PLATE 18" WITH ASYMMETRIC ROUND HOLES 3-4-6"
IL-MPLR18-346-FA



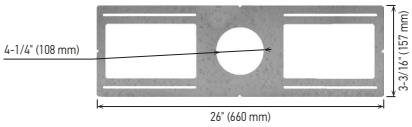
NEW CONSTRUCTION FLAT MOUNTING PLATE WITH ASYMMETRIC ROUND HOLES 3-4-6"
IL-MPLR-346-FS



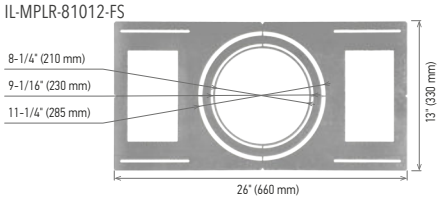
NEW CONSTRUCTION MOUNTING PLATE WITH ROUND HOLES AND SLIDING CLIPS 3-4-6"
IL-MPLR-346-SC



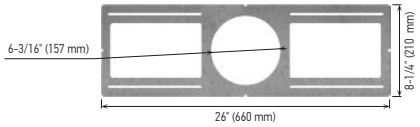
NEW CONSTRUCTION FLAT MOUNTING PLATE WITH SYMMETRIC ROUND HOLES 4"
IL-MPLR-4-FS-6PACK



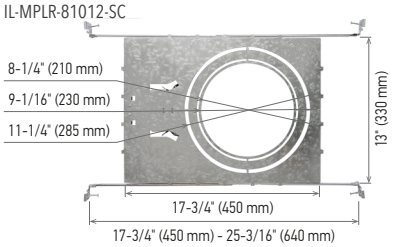
NEW CONSTRUCTION FLAT MOUNTING PLATE WITH SYMMETRIC ROUND HOLES 8-10-12"
IL-MPLR-81012-FS



NEW CONSTRUCTION FLAT MOUNTING PLATE WITH SYMMETRIC ROUND HOLES 6"
IL-MPLR-6-FS-6PACK



NEW CONSTRUCTION MOUNTING PLATE WITH ROUND HOLES AND SLIDING CLIPS 8-10-12"
IL-MPLR-81012-SC



EXTENSION CORD 3PIN
10"
IL-EC-10A
20"
IL-EC-20A



BATTERY BACK-UP KIT
8W BLD-HM08D **15W** BLD-HM15D



PLUG-IN BATTERY BACK-UP KIT
3.5W
IL-EMK-JBR



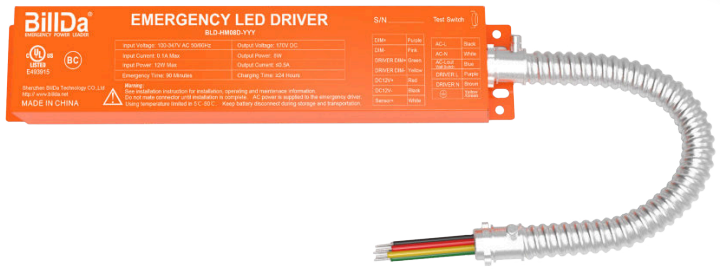
ACCESSORY COMPATIBILITY LIST

ACCESSORIES / MODELS	IL-JFR-4D12AC-WH	IL-JFR-6D15AC-WH	IL-JFR-8D20AC-WH	IL-JFRB-MV-4D12WH	IL-JFRB-MV-4D12BK	IL-JFRB-MV-6D15WH	IL-JFRB-MV-6D15BK
New construction flat mounting plate with asymmetric round holes 3-4-6" IL-MPLR-346-FA-6PACK	•	•		•	•	•	•
New construction flat mounting plate 18" with asymmetric round holes 3-4-6" IL-MPLR18-346-FA-6PACK	•	•		•	•	•	•
New construction flat mounting plate with symmetric round holes 3-4-6" IL-MPLR-346-FS-6PACK	•	•		•	•	•	•
New construction flat mounting plate with symmetric round holes 4" IL-MPLR-4-FS-6PACK	•			•	•		
New construction flat mounting plate with symmetric round holes 6" IL-MPLR-6-FS-6PACK		•				•	•
New construction flat mounting plate with symmetric round holes 8-10-12" IL-MPLR-81012-FS-6PACK			•				
New construction mounting plate with round holes and sliding clips 3-4-6" IL-MPLR-346-SC-6PACK		•				•	•
New construction mounting plate with round holes and sliding clips 8-10-12" IL-MPLR-81012-SC-6PACK			•				
Extension cord 3PIN IL-EC-10A-6PACK IL-EC-20A-6PACK	•	•	•				
Battery back-up kit 8W BLD-HM08D					•	•	•
Battery back-up kit 15W BLD-HM15D	•	•			•	•	•
Plug-in battery back-up kit 3.5W IL-EMK-JBR	•	•	•				

BATTERY BACK-UP KIT INFORMATION

INTEGRITY LED

- Before performing a high-voltage insulation test, ensure the battery pack is removed and that there is no contact between the battery pack and the LED drivers.
- After testing, disconnect the battery pack unit connector before shipping and storing.
- During storage, the battery pack will need 24 hours of charging every 3 months.

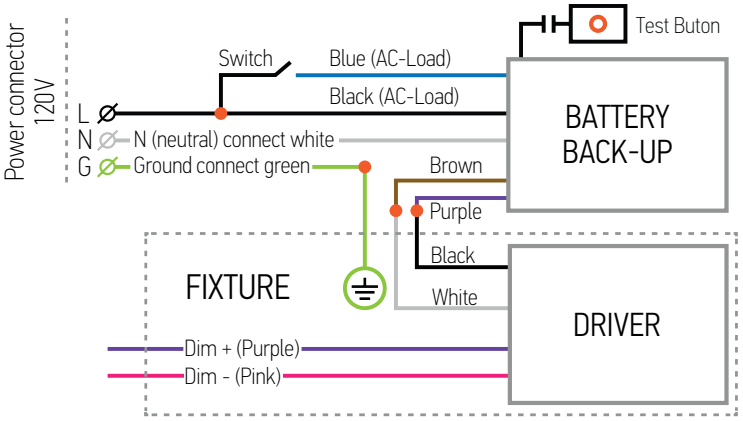


BLD-HM08D BLD-HM15D **sold separately**

PRODUCT PRESENTATION

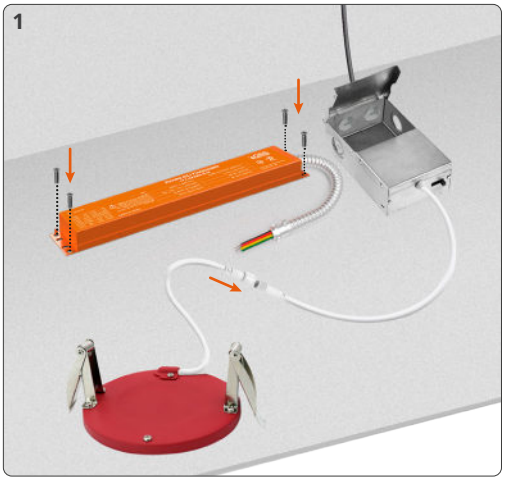
SPECIFICATIONS		MODEL: BLD-HM08D	MODEL: BLD-HM15D
Input voltage		120-347 Vac, 50/60 Hz	120-347 Vac, 50/60 Hz
Input current		≤ 100 mA	≤ 100 mA
Output voltage		≤ 170 Vdc	≤ 175 Vdc
Output power		8W	15W
Application		< 60W (0-10 V dimmable fixture)	< 100W (0/1-10 V dimmable fixture)
Ambient temperature		32°F to 122°F (0°C to 50°C)	
Lumens in emergency mode	for 4" model	656 lm	935 lm
	for 6" model	624 lm	1,214 lm

WIRING DIAGRAM

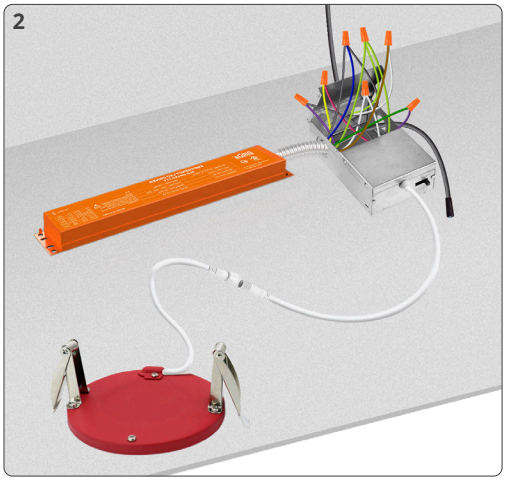


INSTALLATION BATTERY BACK-UP KIT

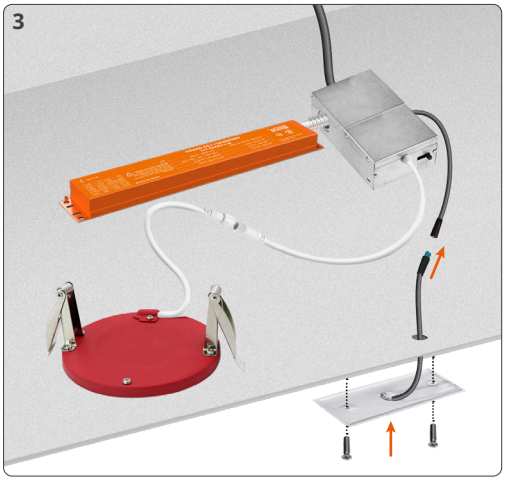
sold separately BLD-HM08D BLD-HM15D



1. Secure the battery back-up to the ceiling.



2. Connect wires as shown on electrical diagram.

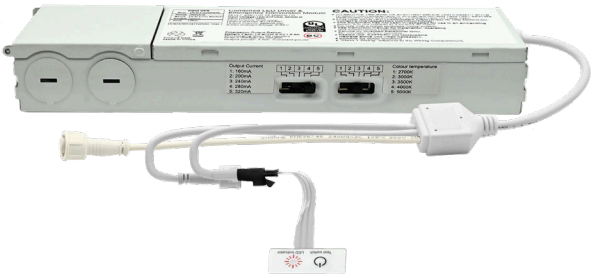


3. Connect test switch and secure it in the hole on surface.

PLUG-IN BATTERY BACK-UP KIT INFORMATION

INTEGRITY LED

- Before performing a high-voltage insulation test, ensure the battery pack is removed and that there is no contact between the battery pack and the LED drivers.
- After testing, disconnect the battery pack unit connector before shipping and storing.
- During storage, the battery pack will need 24 hours of charging every 3 months.

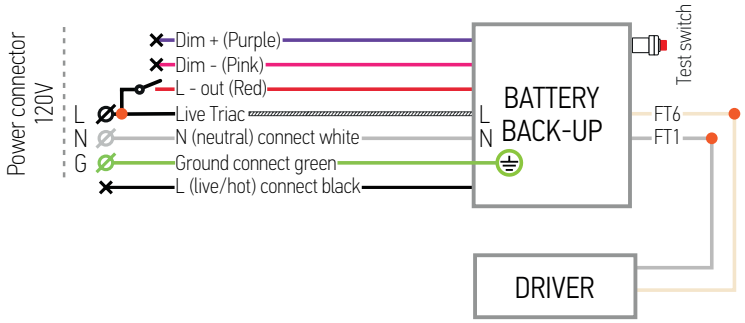


sold separately

SIZE AND POWER	SERIES	CABLE	mA
4inch 12 W	JFR	FT6	280
6inch 15 W	JFR		240

Color temperature (CCT) selection and output current must be chosen according to the fixture type and the table supplied with the product.

WIRING DIAGRAM (120V AC TRIAC DIMMABLE)



USAGE / OPERATION

Important: Please charge the battery for more than 24 hours on first use to activate all battery cells and ensure normal charge/discharge duration.

BUTTON	REMARKS
ON	Charging
OFF	Discharging
OFF	Failure

1. Charging / AC Power ON:Charging mode / power on- red indicator ON.

2. Discharging / Emergency Mode / AC Power OFF: Discharging / emergency mode - red indicator OFF.

3. Emergency power supply failure / AC Power OFF: Emergency power failure - fixture does not operate.

SWITCH TEST

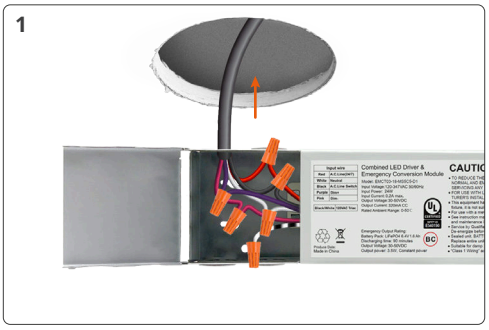
1. When mains power is connected and in normal state, press the test switch - the emergency kit will enter emergency mode.

2. If the test switch is not pressed, the device will remain in charging mode.

3. In emergency mode, holding the test switch for 3 seconds will exit emergency mode.

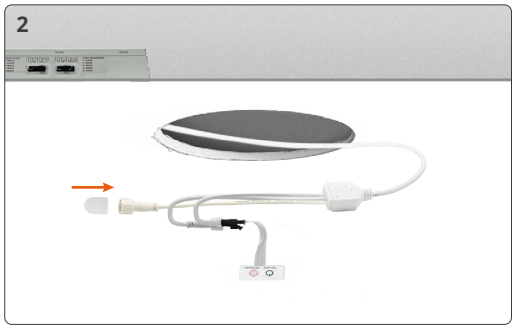
INSTALLATION BATTERY BACK-UP KIT

sold separately



1. Turn off power before installation and remove any existing fixtures. Open the emergency power supply cover, remove the required knockout on the side panel, install a suitable cable clamp (not included), feed the power cable through it, and connect the wires.

For 0-10V dimming: red to red, black to black, white to white, purple to purple, pink to pink. Cap the remaining wire.



2. Insert the emergency power supply into the mounting hole and secure it. The hole must be larger than 3-1/8 inches or the unit will not fit. Connect the fixture power cable to the emergency power supply.



3. Remove the adhesive backing from the indicator light and attach it to the fixture surface. Push the spring clips in to the mounting hole and insert the fixture; it will sit flush with the ceiling. Restore power and press the test switch to verify operation.

INSTALLATION GUIDE

Please read all the instructions below before installation!

IMPORTANT SAFETY INFORMATION

- Make sure that the supply voltage corresponds to the rated product voltage.
- The product must be installed by a qualified electrician in accordance with the National Electrical Code and corresponding local codes.
- If the product is damaged, do not use it.

⚠ WARNING

Risk of personal injury: read and follow all warnings and installation instructions. Keep or give to the owner for future reference.

Risk of cuts: Wear gloves to prevent cuts or abrasions when removing from carton, handling, installing, and maintaining this product.

Risk of electric shock: 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.

Risk of Fire: Minimum 194°F supply conductors. Consult a qualified electrician to ensure correct branch circuit conductor.

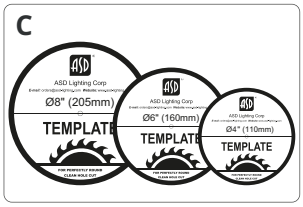
Integrity LED assumes no responsibility for claims arising out of improper or careless Installation **or handling of this product.**

PACKAGE CONTENTS

DESCRIPTION	QUANTITY
Fire rated LED Round Recessed Mini Panel	1
J-Box driver (A)	1
Connector (B)	3 for JFR; 5 for JFRB
Template for 4, 6 or 8 inch (C)	1
Box	1

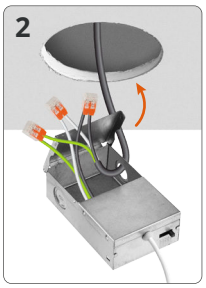


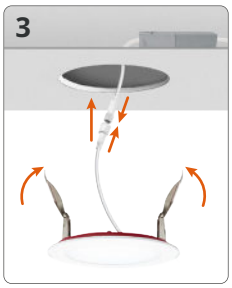




INSTALLATION STEPS







1. Use template to cut an appropriate sized hole. Disconnect the fixture from the junction box. Choose needed color temperature by adjusting the switch. Close the junction box.
2. Open junction box. Connect the wires: Black to Black, White to White, Copper to Green (Ground). Secure the connection with quick connector.
3. Insert the junction box into the cut hole, leaving the connection cable outside. Connect the fixture to the Junction box inserting the cable and securing it with a cap. Push the spring loaded clips upwards and insert the fixture base in to the mounting hole. Release the clips, so the fixture fits securely.

* The fixture is suitable for ceilings up to 1-3/4" thick.

EXTENSION CORD INSTALLATION

sold separately

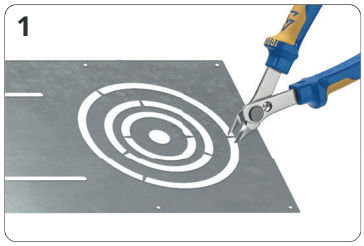


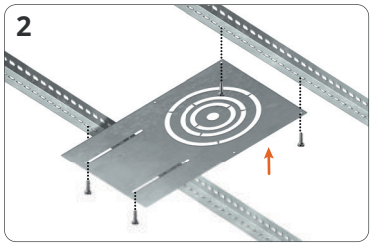


1. Disconnect the LED Wafer cable from the Junction box cable.
2. Connect one end of the Extension Cord to the LED Wafer cable, and the other end of the Extension Cord to the Junction box cable.

MOUNTING PLATE INSTALLATION

sold separately

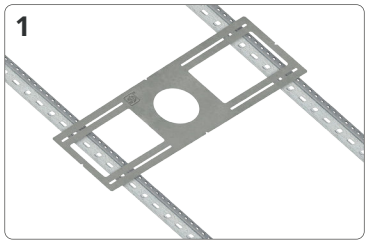


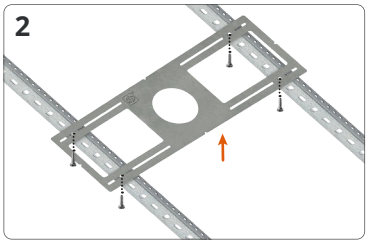


1. Remove the metal ring from the mounting plate according to the size of fixture.
2. Place the mounting plate and secure its position with screws on the beams.

MOUNTING PLATE INSTALLATION

sold separately





1. Adjust a mounting plate to a suitable place.
2. Secure the mounting plate to the beams with screws.