GREENCREATIVE

8W EMERGENCY LED INVERTER

FEATURES

- Suitable for use with select GREEN CREATIVE fixtures and lamps. See complete list in below "COMPATIBLE FIXTURE AND LAMP" table
- Suit for 5W to 80W LED product with 0-10V dimming driver (Ensure that the system power is below 6W when dimming to 1V).
  Suit for 5W to 8W LED product without 0-10V dimming function.
- Constant 8W power output during emergency mode.
- LiFePO4 12.8V Battery pack with 1600mAh capacity (20.48Wh)
- One-piece metal housing provided for easy connection.
- 23-5/8" flex conduit suitable for fitting into 1/2" knockouts.
- Includes 2in1 test switch with indicator light.
- Input voltage: 100-277V AC, 50/60Hz
- Low Voltage Disconnect (LVD): 120-200V
- Constant power output in emergency mode for a minimum of 90 minutes
- Recyclable long-life high-temperature Lithium-ion battery
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- EM Inverter ambient temperature: 50°F to 140°F (10°C to 60°C)
- Integral short circuit protection
- 5 year limited warranty*
- UL 924 Listed, cUL Listed to CSA C22 No. 141
- Rated for use in dry or damp locations

2in1 Test Switch
with Indicator Light
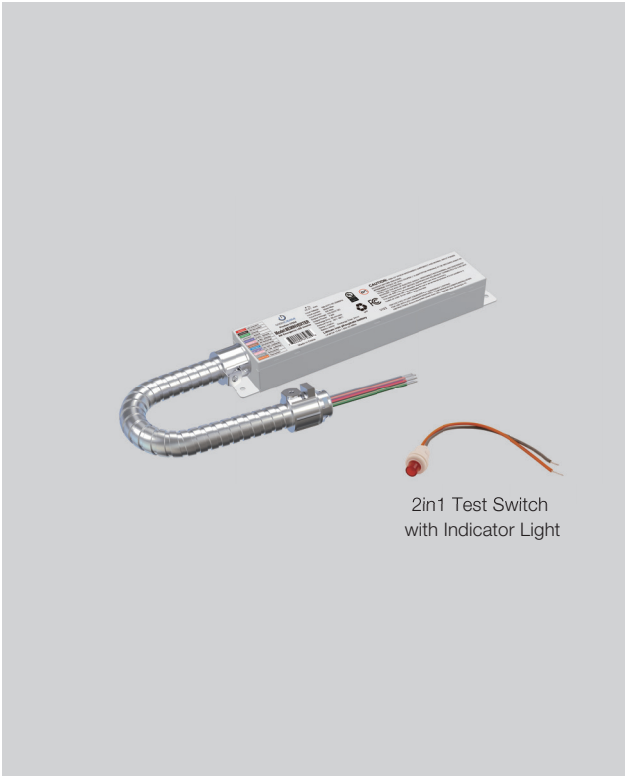
SPECIFICATIONS

Product	37934
Model	8EMINVERTER
Input Voltage	100-277V AC, 50/60Hz
Input Current	80mA Max
Input Power	5W Max
Output Power	8W Max
Output Voltage	120-200Vdc
Charge Time	24 hours
Emergency Run Time	90 minutes
Ambient Temperature	50°F to 140°F (10°C to 60°C)
Battery	LiFePO4 12.8V 1.6Ah
Approval	UL 924 Listed, cUL Listed to CSA C22 No. 141, CEC Compliant

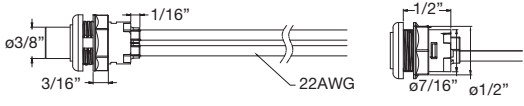* Please visit www.greencreative.com for Limited Warranty terms.

DIMENSION & WEIGHT

Incl. 23-5/8" flex conduit

Height

Length

1" Width

9-1/16"
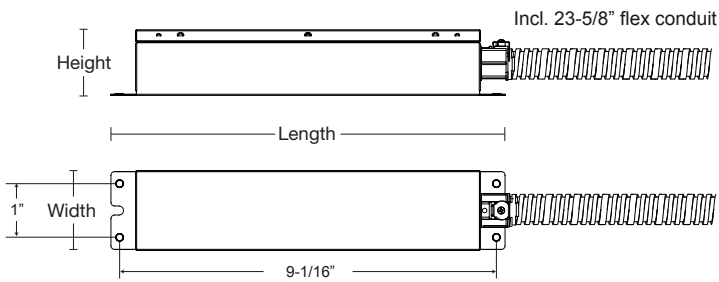
Model	8EMINVERTER
Length	9-1/2"
Width	1-3/4"
Height	1-3/16"
Weight	1.0 lb
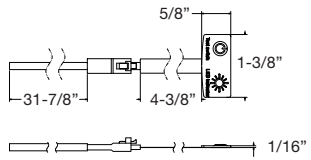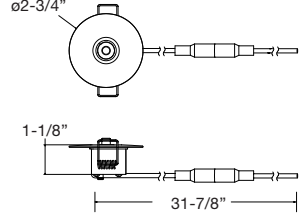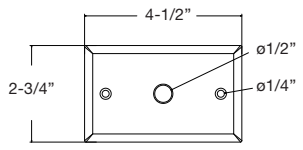
8W EMERGENCY LED INVERTER

SUPPLIED ACCESSORY

Product	Model	Description	Picture	Dimensions
N.A.	EM Indicator	2in1 Test switch with indicator light		ø3/8" 1/16" 3/16" 22AWG 1/2" ø7/16" ø1/2"

OPTIONAL ACCESSORY ORDERING INFORMATION

Product	Model	Description	Picture	Dimensions
37936	TAPETESTACC	Adhesive Field Fixture Mount Test Switch and Indicator Light		5/8" 1-3/8" 31-7/8" 4-3/8" 1/16"
37937	CEILTESTACC	Remote Round Ceiling Mount Test Switch and Indicator Light		ø2-3/4" 1-1/8" 31-7/8"
37938	WALLPLATE	Single Gang Jbox Face Plate	LED INDICATOR TEST SWITCH	4-1/2" ø1/2" 2-3/4" ø1/4"

INSTALLATION

Emergency Inverter

1. Turn off power at the source.
2. Attach the emergency LED inverter to the fixture or ceiling, ensuring it doesn't interfere with existing hardware.
3. Ensure installation complies with local regulations.
4. If using switched power, ensure an unswitched line is available in the J-box or fixture wiring compartment.
5. If using unswitched constant power applications (emergency only), connect the incoming unswitched line to the unit's black wire and cap off the unit's black/white switched line.
6. Connect the flex conduit for line voltage to the J-box or fixture wiring compartment as per the wiring diagram. Pair the unit connector last to prevent electric shock.
7. Wire the test accessory plate according to the wiring diagram, ensuring correct connections for the indicator light and test switch.
8. Restore power at the source to complete the installation.

INSTALLATION

Accessory - 2in1 Test Switch with Indicator Light (Supplied)

1. Pre-open a 1/2 " hole on the fixture housing and fix the test button on the fixture housing (Figure 1-1).
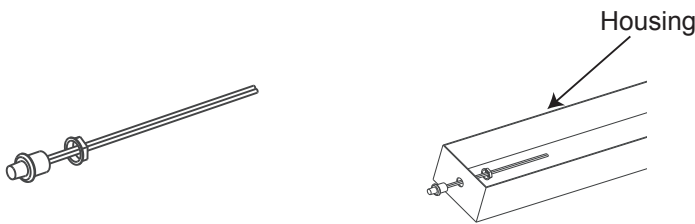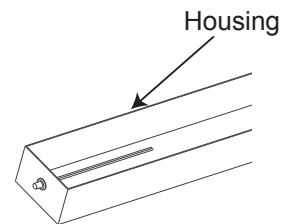2. Wire the test button to EM inverter Indicator & Test button wires (Figure 1-2).

Housing

Housing

Figure 1-1

Figure 1-2

Indicator Light:

Red On: Charging / Fully Charged

Off: Emergency Mode / Open Circuit / LED Load Exceeds Nominal Emergency Power

2-Second Slow Flashing: Indicates the need for charging or compatibility testing in standby mode. If it continues to flash slowly after being charged (within 24 hours), it suggests incompatibility with fixtures.

0.5-Second Fast Flashing: Signifies a failure, indicating a lack of connection to power or load. It is recommended to check the wiring in such cases.

Test switch:

Activating the test switch while the main power supply is on will cause the Emergency Conversion Kit to enter emergency mode. Conversely, it will enter charging mode if the test switch is not pressed.

To exit the emergency mode, press the test switch for a duration of 3 seconds while in emergency mode.

Accessory - Single Gang Jbox Face Plate (Optional)

1. Attach the indicator to the Single Gang Jbox Face Plate (refer to Figure 2-1).
2. Connect the indicator wire to the inverter located within the junction box (not included).
3. Securely fasten the plate onto the junction box using 2 screws (refer to Figure 2-2).
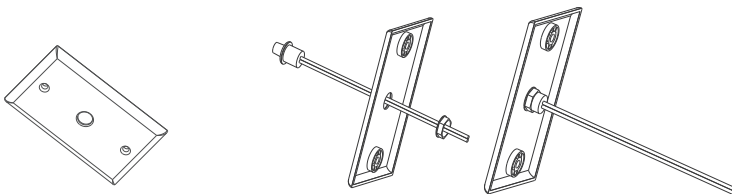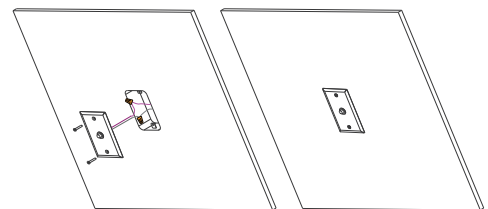
Figure 2-1

Figure 2-2

8W EMERGENCY LED INVERTER

INSTALLATION

Accessory - Remote Round Ceiling Mount Test Switch and Indicator Light (Optional)

1. Disconnect the quick connector of the Remote Round Ceiling Mount Test Switch and Indicator Light (refer to Figure 3-1).
2. Create a hole in the ceiling with a diameter between 2" and 2 3/8", then route the indicator cord to the inverter within the junction box (not included) and reconnect the quick connector (refer to Figure 3-2).
3. Pinch the 2 springs, insert them into the ceiling hole, and release the springs (refer to Figure 3-3).
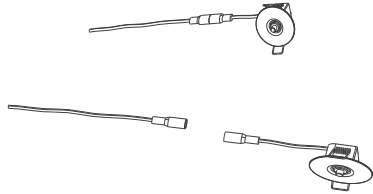
Figure 3-1
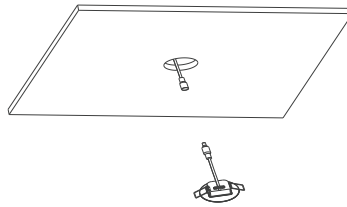
Figure 3-2
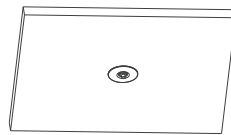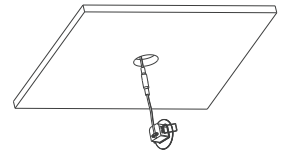
Figure 3-3

Accessory - Adhesive Field Fixture Mount Test Switch and Indicator Light (Optional)

1. Disconnect the quick connector of the Adhesive Field Fixture Mount Test Switch and Indicator Light (refer to Figure 4-1).
2. Attach the test indicator to the fixture surface using the included double-sided sticker (refer to Figure 4-2).
3. Connect the indicator cord to the inverter within the junction box (not included).
4. Plug in the quick connector and proceed to follow the standard fixture installation instructions to finalize the installation (refer to Figure 4-3).
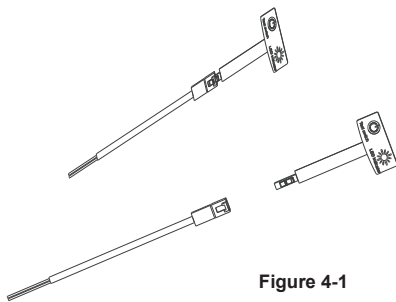
Figure 4-1
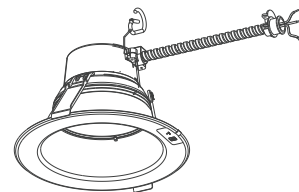
Figure 4-2
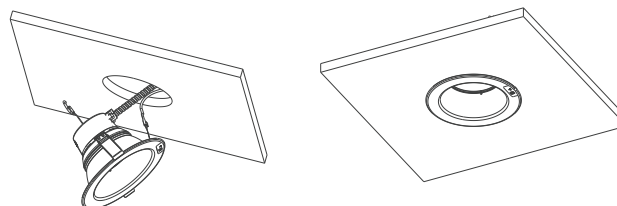
Figure 4-3

8W EMERGENCY LED INVERTER

GREENCREATIVE

WIRING DIAGRAM

AC line (24/7)-Red
AC line switch-Black
Ground-Green
Neutral-White

ON
OFF
Wall switch

White

Red
Black

Grounding

Test switch
LED indicator

22AWG/Purple +
22AWG/Pink -

22AWG/Gray+
22AWG/Orange-

8EMINVERTER

Normal
LED driver
L
N

LED Module

Black   18AWG/Brown(L)
White   18AWG/Blue(N)

22AWG/Purple & white +
22AWG/Pink & white -

Dimming out

Rechargeable battery inside
and must be recycled or disposed
properly.

Cap off 0-10V wires for fixtures without dimming

AC line (24/7)-Red
AC line switch-Black
Ground-Green
Neutral-White

ON
OFF
Wall switch

White

Red
Black

Grounding

Dimmer

22AWG/Purple +
22AWG/Pink -

Test switch
LED indicator

22AWG/Gray+
22AWG/Orange-

8EMINVERTER

Normal
LED driver
L
N

LED Module

Black   18AWG/Brown(L)
White   18AWG/Blue(N)

Dim+
Dim-

22AWG/Purple & white +
22AWG/Pink & white -

Dimming out

Rechargeable battery inside
and must be recycled or disposed
properly.

Fixtures with 0-10V dimming

8W EMERGENCY LED INVERTER

ORDERING INFORMATION

Model	Master Carton			Shipping Carton		
	Case Qty	Case Dimensions (LxWxH)	Case Weight	Case Qty	Case Dimensions (LxWxH)	Case Weight
8EMINVERTER	N.A	N.A	N.A	10 PCS	26-3/4" x 8-11/16" x 6-5/16"	19.8 lbs
TAPETESTACC	N.A	N.A	N.A	48 PCS	7-1/2" x 7-1/16"x 8-3/8"	3.96 lb
CEILTESTACC	N.A	N.A	N.A	48 PCS	19-1/2"x 15-3/8"x 6-1/8"	8.8 lb
WALLPLATE	N.A	N.A	N.A	48 PCS	7-1/2" x 7-1/16"x 8-3/8"	5.28 lb

COMPATIBLE FIXTURE AND LAMP

Compatible Product Model#	Compatible Product Description
NYXNC4RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 4" Round, Small Light Engine, DualDim
NYXNC4SQ/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 4" Square, Small Light Engine, DualDim
NYXICAT4RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction IC Box, 4" Round, Small Light Engine, DualDim
NYXICAT4SQ/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction IC Box, 4" Square, Small Light Engine, DualDim
NYXDM4RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 4" Round, Small Light Engine, DualDim
NYXDM4SQ/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 4" Square, Small Light Engine, DualDim
NYXNC6RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 6" Round, Small Light Engine, DualDim
NYXNC6SQ/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 6" Square, Small Light Engine, DualDim
NYXDM6RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 6" Round, Small Light Engine, DualDim
NYXDM6SQ/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 6" Square, Small Light Engine, DualDim
NYXNC8RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 8" Round, Small Light Engine, DualDim
NYXDM8RD/S9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 8" Round, Small Light Engine, DualDim
NYXNC6RD/M9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 6" Round, Medium Light Engine, DualDim
NYXICAT6RD/M9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction IC Box, 6" Round, Medium Light Engine, DualDim
NYXDM6RD/M9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 6" Round, Medium Light Engine, DualDim
NYXNC8RD/M9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction Plate, 8" Round, Medium Light Engine, DualDim
NYXICAT8RD/M9CCT5S/DUALDIM/xx/xx	NYX Downlight, New Construction IC Box, 8" Round, Medium Light Engine, DualDim
NYXDM8RD/M9CCT5S/DUALDIM/xx/xx	NYX Downlight, Direct Mount, 8" Round, Medium Light Engine, DualDim
NYXNC8RD/L9CCT5S/DIM010UNV/xx/xx	NYX Downlight, New Construction Plate, 8" Round, Large Light Engine, 0-10V Dimming
NYXDM8RD/L9CCT5S/DIM010UNV/xx/xx	NYX Downlight, Direct Mount, 8" Round, Large Light Engine, 0-10V Dimming
PXCYL2/xx/LES90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 2", Small Light Engine, 0-10V Dimming
PXCYL4/xx/LES90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 4", Small Light Engine, 0-10V Dimming
PXCYL6/xx/LES90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 6", Small Light Engine, 0-10V Dimming
PXCYL8/xx/LES90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 8", Small Light Engine, 0-10V Dimming
PXCYL4/xx/LEM90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 4", Medium Light Engine, 0-10V Dimming
PXCYL6/xx/LEM90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 6", Medium Light Engine, 0-10V Dimming
PXCYL8/xx/LEM90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 8", Medium Light Engine, 0-10V Dimming
PXCYL6/xx/LEL90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 6", Large Light Engine, 0-10V Dimming
PXCYL8/xx/LEL90xx/KDIM010UNV/xx/xx/xx	PXCYL Cylinder, 8", Large Light Engine, 0-10V Dimming
SLFT4/9CCT5S/DUALDIM	SELECTFIT G2 Downlight, 4", DualDim
SLFT6/9CCT5S/DUALDIM	SELECTFIT G2 Downlight, 6", DualDim
SLFT8/9CCT5S/DUALDIM	SELECTFIT G2 Downlight, 8", DualDim
SLFT6HO/9CCT5S/DUALDIM	SELECTFIT G2 Downlight, 6" HO, DualDim
SLFT8HO/9CCT5S/DUALDIM	SELECTFIT G2 Downlight, 8" HO, DualDim
SLFT9.5/9CCT5S/DUALDIM	SELECTFIT G2 Downlight, 9.5", DualDim
INFT6/8xx/DIM010UNV	INNOFIT GEN2 Downlight, 6", 0-10V Dimming
INFT8/8xx/DIM010UNV	INNOFIT GEN2 Downlight, 8", 0-10V Dimming
INFTP4/8CCT3S/DIM010UNV	INNOFIT Plus Downlight, 4", 0-10V Dimming
INFTP6/8CCT3S/DIM010UNV	INNOFIT Plus Downlight, 6", 0-10V Dimming

8W EMERGENCY LED INVERTER

FIXTURE AND LAMP EM INVERTER COMPATIBLE GUIDE

Compatible Product Model#	Compatible Product Description
INFTP8/8CCT3S/DIM010UNV	INNOFIT Plus Downlight, 8", 0-10V Dimming
INFTP9.5/8CCT3S/DIM010UNV	INNOFIT Plus Downlight, 9.5", 0-10V Dimming
GIMB1/9xx/FL/DIM120	MINIFIT Downlight, 1" Gimbal, 120V Dimming
MM2/9xx/FL/DIM120	MINIFIT Downlight, 2" Module, 120V Dimming
3N1/5/90/CCTS/DIM010UNV	3N1 Surface Mount Downlight, 5", 0-10V Dimming
3N1/7/90/CCTS/DIM010UNV	3N1 Surface Mount Downlight, 7", 0-10V Dimming
3N1/9/90/CCTS/DIM010UNV	3N1 Surface Mount Downlight, 9", 0-10V Dimming
8T8/2F/8xx/BYP/RC	T8 Single Ended Bypass, UL Type B, 2ft, 8W
9.5T5HE/2F/8xx/EXT	T5 External, UL Type C, 2ft, 9.5W, Single Wattage or SelectDrive Driver
11T5HE/3F/8xx/EXT	T5 External, UL Type C, 3ft, 11W, Single Wattage or SelectDrive Driver
13.5T5HE/4F/8xx/EXT	T5 External, UL Type C, 4ft, 13.5W, Single Wattage or SelectDrive Driver
22T5HO/4F/8xx/EXT	T5 External, UL Type C, 4ft, 22W, Single Wattage Driver
9.5T8/2F/8xx/EXT	T8 External, UL Type C, 2ft, 9.5W, Single Wattage or SelectDrive Driver
10.5T8/3F/8xx/EXT	T8 External, UL Type C, 3ft, 10.5W, Single Wattage or SelectDrive Driver
11.5T8/4F/8xx/EXT	T8 External, UL Type C, 4ft, 11.5W, Single Wattage or SelectDrive Driver
11.5T8/4F/8xx/EXT/R	T8 External, UL Type C, 4ft, 11.5W, Single Wattage or SelectDrive Driver
14T8/4F/8xx/EXT	T8 External, UL Type C, 4ft, 14W, Single Wattage or SelectDrive Driver
14T8/4F/8xx/EXT/R	T8 External, UL Type C, 4ft, 14W, Single Wattage or SelectDrive Driver
14.5T8U6/850/EXT	T8 External, UL Type C, Ubent, 14.5W, Single Wattage or SelectDrive Driver
9.5T8/2F/8CCTS/EXT	T8 External, UL Type C, 2ft, 9.5W, Single Wattage or SelectDrive Driver
10.5T8/3F/8CCTS/EXT	T8 External, UL Type C, 3ft, 10.5W, Single Wattage or SelectDrive Driver
11.5T8/4F/8CCTS/EXT	T8 External, UL Type C, 4ft, 11.5W, Single Wattage or SelectDrive Driver
14T8/4F/8CCTS/EXT	T8 External, UL Type C, 4ft, 14W, Single Wattage or SelectDrive Driver
6.8PLO/8xx/HYB/PF	PinFit PL Omni, Hybrid, G24q/G24d, 6.8W
8PLH/8CCTS/HYBM	PL H, Hybrid, G24q/G24d, 8W, CCT Select
8PLV/8CCTS/HYBM	PL V, Hybrid, G24q/G24d, 8W, CCT Select
7PLO/8xx/HYBM	PL Omni, Hybrid, G24q/G24d, 7W
5.5PLH/8xx/HYBM	PL H, Hybrid, G24q/G24d, 5.5W
5.5PLH/8xx/HYBM/R	PL H, Hybrid, G24q/G24d, 5.5W
5.5PLV/8xx/HYBM	PL V, Hybrid, G24q/G24d, 5.5W
8PLH/8xx/HYBM	PL H, Hybrid, G24q/G24d, 8W
3.5PLS/8xx/BYP/2G7/R*	PLS, Bypass, 2G7, 3.5W
3.5PLS/8xx/HYB/G23/R*	PLS, Hybrid, G23, 3.5W
5.5PLS/8xx/BYP/2GX7/R	PLS, Bypass, 2GX7, 5.5W
5.5PLS/8xx/HYB/GX23/R	PLS, Hybrid, GX23, 5.5W
5.5PLSH/8xx/HYB/GX23/R	PLS H, Hybrid, GX23, 5.5W
5.5PLSV/8xx/HYB/GX23	PLS V, Hybrid, GX23, 5.5W
13PLL/8xx/EXT	PLL External, 2G11, 13W, Single Wattage or SelectDrive Driver
14PLL/8xx/EXT	PLL External, 2G11, 14W, Single Wattage or SelectDrive Driver
19PLL/8xx/EXT	PLL External, 2G11, 19W, Single Wattage or SelectDrive Driver

Note: xx Refers to the CCT, mounting methods, or reflector finishes
* Must connect 2 lamps

Note: All rights reserved. All sizes and specifications are subject to change at any time without notice