

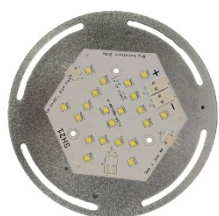
WARNING!

IMPORTANT SAFEGUARDS:

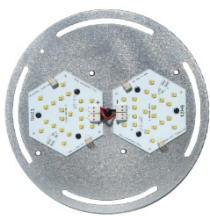
Read and follow all safety instructions before installation!
 Save these instructions and handover to owner after installation.

IMPORTANT:

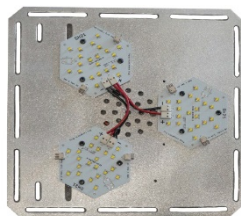
- LED Retrofit Kit installation requires knowledge of electrical luminaires and lighting systems. Please consult a qualified electrician for safe installation of retrofits.
- Thoroughly inspect the received product for any damage. Freight damage should be reported to the delivery carrier.
- Avoid exposure of the Retrofit Kit to moisture. Ensure the retrofit housing is adequately sealed to avoid moisture ingress.



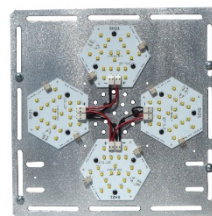
SHW-021



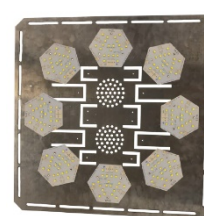
SHW-042



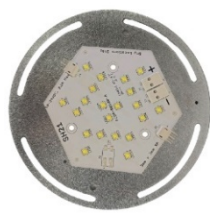
SHW-063



SHW-084



SHW-168



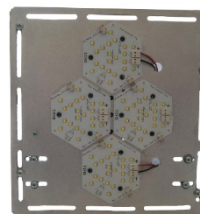
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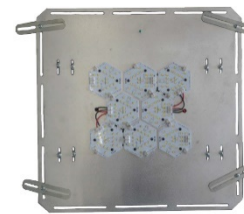
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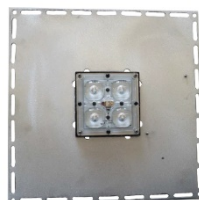
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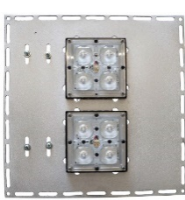
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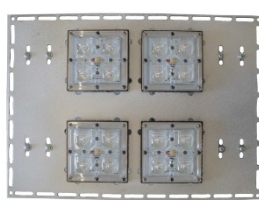
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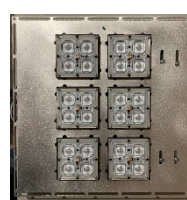
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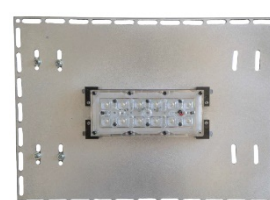
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S16016



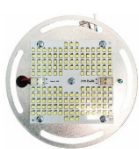
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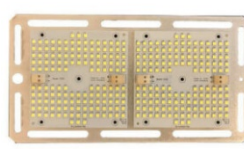
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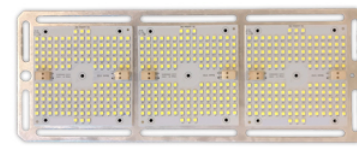
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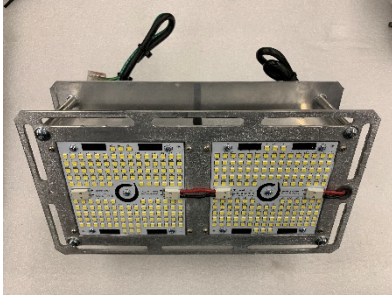
S150



S300



R450



Picture 1



Picture 2

INSTALLATION KIT

Universal Retrofit Kits (UKits) are designed in various shapes and sizes to fit any fixtures/housings. The UKits will typically have an Aluminum plate with mounting holes or slots along the edges of the plate, that would align with the mounting holes in your custom fixture/housing. In case a UKit is too small to align with the mounting points in your fixture/housing, the universal mounting tabs included in this package should help bridge the gap between the mounting slots on the Ukit plate and the mounting holes in the fixture. Please choose and have appropriate screws, washers and nuts available for mounting the kits into your custom fixture. UKits are shipped with a set of mounting hardware shown in pictures 1 and 2. Check the received package for items listed below. Please contact the supplier if any of item(s) are missing in the package. If the provided hardware does not work with your custom fixture/housing, please retain and reuse the existing hardware for mounting the retrofits.

1. LED Retrofit Kit – per ordered quantity
2. 2.50" Universal Mounting Tabs – 4 pcs. per kit (optional, based on ordered retrofit)
3. 4.75" Universal Mounting Tabs – 4 pcs. per kit (optional, based on ordered retrofit)
4. 7.50" Universal Mounting Tabs – 4 pcs. per kit (optional, based on ordered retrofit)
5. 8-32 x 3/8" Philips Pan Screws – 8 pcs. per kit
6. #8 Aluminum Washers – 8 pcs. per kit
7. #8 Wing Nuts – 8 pcs. per kit

TOOLS USEFUL FOR INSTALLATION

1. #8 Philips Head Screwdriver / Power Drill
2. Pliers, Wire Strippers and Wire Cutters
3. Industrial Hand Gloves



Picture 3



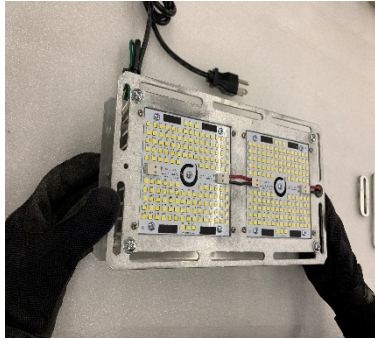
Picture 4



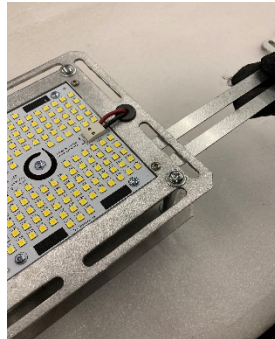
Picture 5

PREPARING YOUR FIXTURE/HOUSING FOR RETROFIT INSTALLATION

1. Make sure all active power is OFF
2. Open the fixture to be retrofitted as shown in pictures 3 and 4.
3. Note existing mounting locations inside the fixture (highlighted in Picture 4).
4. Remove all existing parts/ lamp components installed inside the fixture as shown in picture 5. Please retain and reuse the mounting hardware available in the fixture, to mount the retrofits.
5. Retain the Green Ground connection wire inside the fixture (if available)



Picture 6



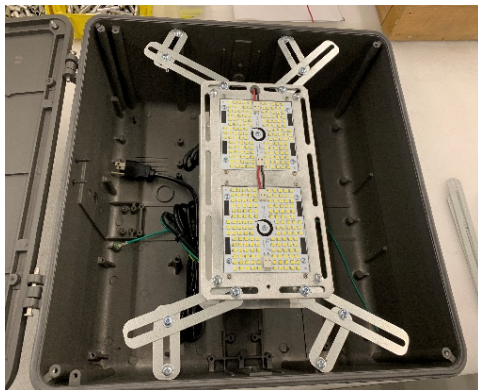
Picture 7



Picture 8



Picture 9



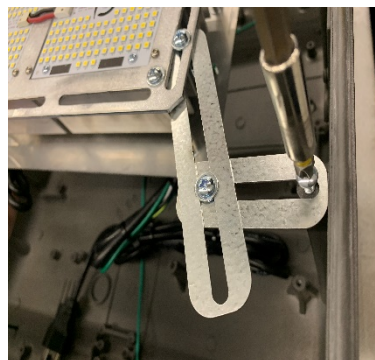
Picture 10



Picture 11



Picture 12



Picture 13

MOUNTING INSTRUCTIONS

1. Place the retrofit kit on a smooth flat surface (preferably over a foam cushion) as shown in picture 6. Please wear industrial hand gloves while handling the retrofit kit.
2. Choose an appropriate size mounting tab from the ones provided with the kit, suitable for mounting locations inside your fixture. Place the mounting tab under one of the mounting slots on the retrofit aluminum plate as shown in picture 7.
3. Secure the mounting tab to the aluminum plate using a 8-32 x 3/8" Philips Pan Screw, #8 Washer, #8 Flange nut and a Philips Screwdriver / Power Drill as shown in pictures 8 and 9.
4. Repeat steps 2 and 3 for required number of mounting tabs based on the mounting locations inside the fixture. Use a combination of various mounting tabs to reach the mounting locations inside the fixture as shown in picture 10, keeping the retrofit aligned with the center of the fixture. Feel free to bend the tabs as desired to adjust the mounting height inside the fixture.
5. Draw the Black, White and Green wires extending from the retrofit through the fixture opening for power connections as shown in picture 11 and 12.
6. Secure the mounting tabs to the fixture using suitable hardware as shown in picture 13.

WIRING CONNECTION

NOTE: Wire colors can vary, depending on code and circumstances. Make sure that hot, neutral, and ground wires are correctly identified.

1. Connect the Black supply wire (Line voltage) to the connector with Black wire from the retrofit.
2. Connect the White supply wire (Neutral) to the connector with White wire from the retrofit.
3. Connect the Green supply wire (Ground) to the connector with Green ground connection wire from the retrofit.
4. Connect the Positive dimming terminal wire to the connector with Purple/Violet wire from the retrofit (if applicable).
5. Connect the Negative dimming terminal wire to the connector with Grey wire from the retrofit (if applicable).
6. Once the wiring connections are made, close the fixture cover and turn power ON.

TROUBLESHOOTING TIPS

1. Verify proper line voltage is present and wired to the correct input voltage lead.
2. Verify fixture wiring.