GN-PE-1200

INDOOR

Rectangle Thin Panel Light

Dry location

IESNA LM-80 IESNA LM-79 IP42

Slim Design: Ultra-thin 0.68” profile, easy installation with J-Box or 5”/6” retrofit.

Long Life & Efficiency: >50,000 hours lifespan with 0-10V dimming capability.

High Performance: Available in 40W (4,084 lm) or 50W (5,227 lm) models, CRI 80

Versatile Options: Selectable CCT (3000K–5000K), multiple mounting methods (surface, recessed, suspended).

Ordering Information

Clear Form

Date: _____ Quantity: _____

Project: _____ Note:

Type: _____ _____

Order Form

Luminaire | Example: GN-PE-1200-40-A-30-R80-WH-DM-GRF-SM

Series	Model	Wattage	Voltage	CCT	CRI	Finish	Dimming	Accessories	Mounting
GN	PE-1200								
		40 40W	**A** 120-277V AC	**30** 3000K	**R80** R80	**WH** White	**DM** 0-10V	**___** None	**SM** Surface
		50 50W		**35** 3500K				**GRF** Graphic Film	**RC** Recessed
				40 4000K					**PD** Pendant
				50 5000K					

System Components (Ordered Separately)

Remote Drivers: _____ *Consult Green Image Tech Website or Sales Representative

Warranty Notes & Disclaimer

Malfunction and damage to product due to incompatible dimming system or misuse will not be covered under warranty. Consult Green Image Tech for recommended drivers. If the fixture has an option to be installed with a dimming control system, consult a dimming system manufacturer with minimum load before installing. Green Image Tech reserves the right, at its sole discretion, at any time and without notice, to make design changes to any of our products. Consult Green Image Tech website for most updated documentation.

105-8288 N Fraser Way
Burnaby BC, V3N 0E9
T: (604) 207-9879
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Performance

Wattage	Fixture Output	Efficacy
40W	4,084 lm	102 lm/W
50W	5,227 lm	105 lm/W

Application

Environment	IP42
Mounting	Ceiling mount
Working Temperature	-20° ~ +40°C
Weight	<15.82 lbs (7.2kgs)

Electrical

Power Supply	120-277V AC
Control	**On/Off Control** **Dimming:** 0-10V dimming with appropriate driver,
Power Factor Correction (PFC)	>0.9
Total Harmonic Distortion (THD)	15%

Luminaire Construction

LED Light Source	**30** = CCT:3000K, CRI (Ra): 80+/90+ **35** = CCT:3500K, CRI (Ra): 80+/90+ **40** = CCT:4000K, CRI (Ra): 80+/90+ **50** = CCT:5000K, CRI (Ra): 80+/90+
LED Source	SMD 2835
Material	**Fixture:** white aluminum
Installation	**SF:** grid ceiling mount **RC:** recessed mount **PD:** pendant hanging mount
Warranty & LED Life	5 years limited warranty. Estimated life of 50,000 hours
Beam Angle	120°

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Dry location

IESNA LM-80 IESNA LM-79 IP42

Specification

Construction

- Ultra-slim design: only 0.68" thickness
- Modern alternative to fluorescent troffers
- White aluminum frame with frosted diffuser for smooth, even illumination
- Damp location and IC rated for safety and flexibility

Mounting

- Compatible with surface, recessed, or suspended installation
- Retrofit-friendly for troffer replacement applications
- J-box and accessory options available

Warranty

- 5-year limited warranty
- Long LED lifespan: 50,000+ hours

Controls

- Standard: 0-10V dimming
- Options: External driver, Graphic Film customization

Electrical

- Input Voltage: 120–277V AC
- Wattage options: 40W or 50W
- Lumen output: 4,084 lm (40W), 5,227 lm (50W)
- Efficacy: ~102–105 lm/W
- Power Factor: >0.9
- Operating Temperature: -20°C to +40°C

Optical Performance

- CCT options: 3000K / 3500K / 4000K / 5000K
- CRI options: 80
- Beam Angle: 120° uniform distribution

Dimensions & Weight

- Fixture size: 47.7” × 23.7” × 0.68”
- Weight: <16 lbs

Environmental & Compliance

- Rated IP42 (suitable for indoor, dry locations)
- RoHS compliant materials

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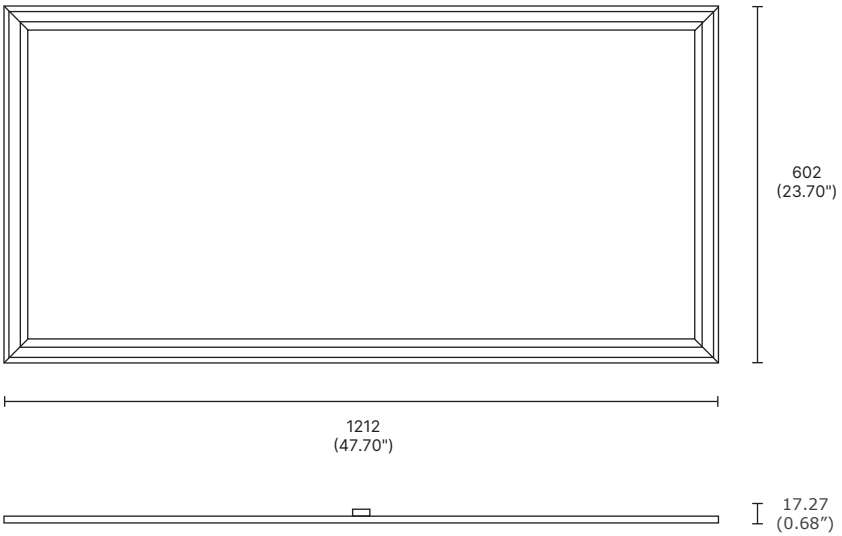
Dimensions

Fixture



Installation Instruction (Recessed)

Step 1: Remove the surface-mounted kit from the panel.

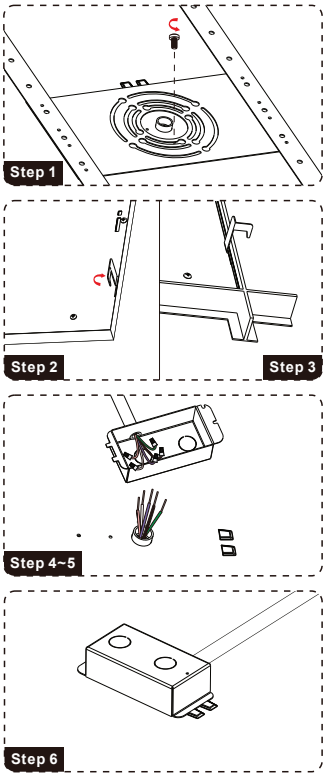
Step 2: Bend each of the four hang buckles 90 degrees so that they are perpendicular to the rear cover of the panel light.

Step 3: Turn off the power. Place the panel light into the T-bar grid, ensuring it sits flush against the ceiling.

Step 4: Remove the appropriate round knock-out and connect the conduit to the junction box using a proper connector. (Conduit diameter: 0.88")

Step 5: Wiring

Step 6: Carefully push all wires back into the junction box and close the box.



For 0-10V Dimming

Compatible with 0-10V dimmer

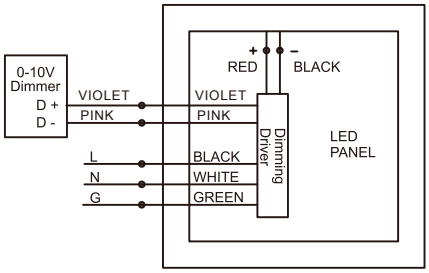
The driver VIOLET (D+) to the dimmer+(VIOLET),

and the driver PINK (D-) to the dimmer-(PINK)

Connect the wires with terminal cap as shown in wiring diagram.

Incoming insulated dimming conductors shall have voltage rated at least equal to the branch voltage.

Wiring Diagram



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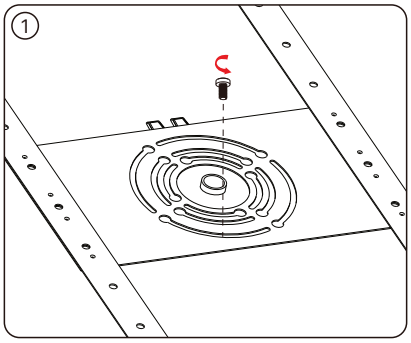
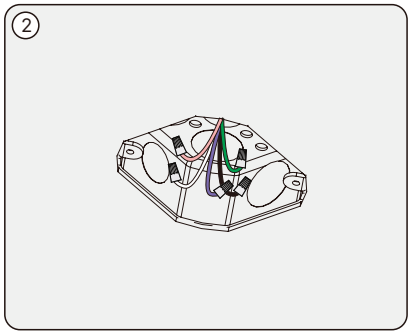
Installation Instruction (Surface Mount)

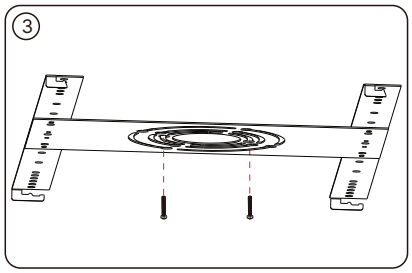
Step 1: Remove the surface mounted kit from the panel.



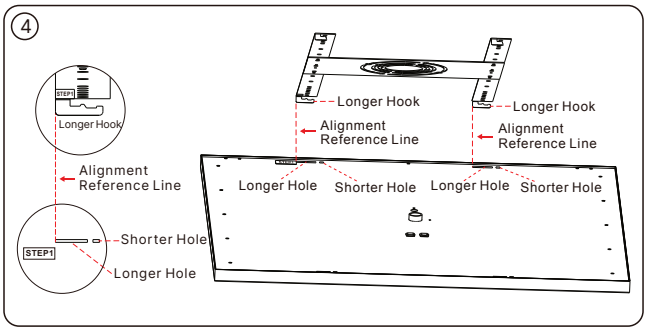
Step 2: Turn off power. Insert the L, N wires of the J-box into the male connector.



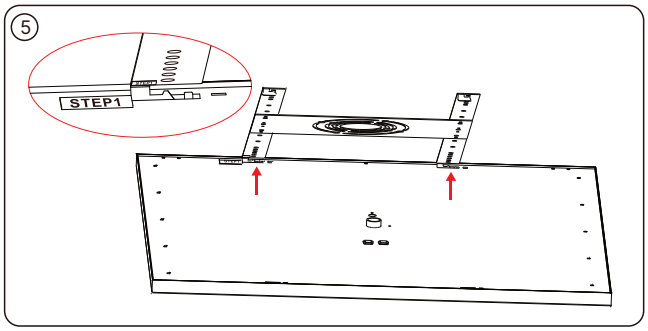
Step 3: Align the hole on the surface-mounted kit with the hole on the junction box, rotate the plate into the desired position, and secure it to the ceiling with screws until the kit is flush with the ceiling surface.



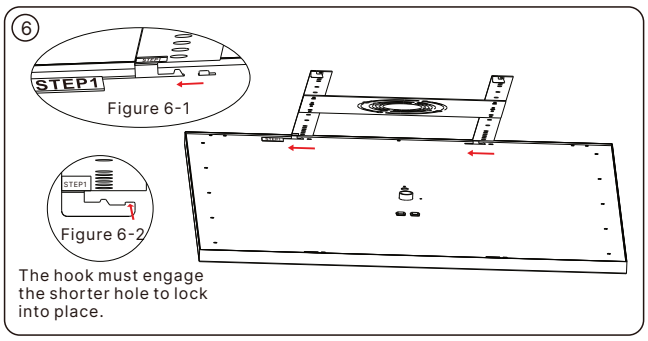
Step 4: Align the two longer hooks on the surface-mounted kit with the corresponding longer holes on the panel (Identified by the 'STEP 1' marking).



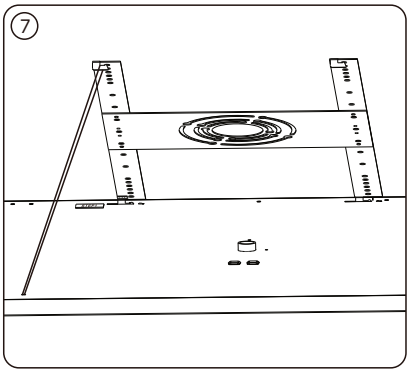
Step 5: Fit the longer holes on the panel over the longer hooks on the mounting kit, ensuring they are fully engaged.



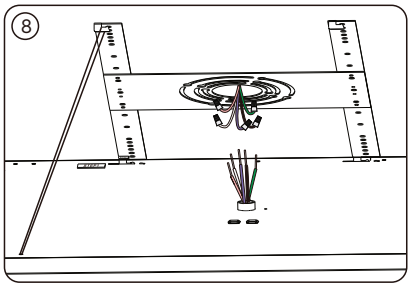
Step 6: Slide the panel to the left (Figure 6-1) so that the hooks on the mounting kit catch into the shorter holes on the panel (Figure 6-2).



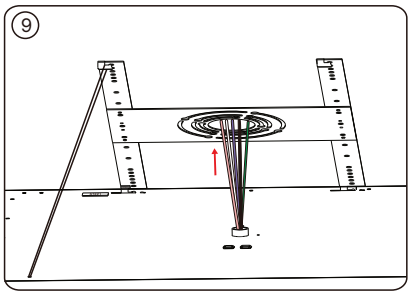
Step 7: Fix the metal string on the hook.



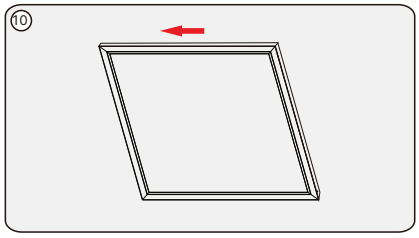
Step 8: Plug the female connector of the panel into the male connector of the AC input wire. The Ground connects to Green wire. Dimming wires connect according to the same wire color.



Step 9: Put all wires into the J-box.



Step 10: Position the panel against the ceiling. Verify that all four hooks are engaged inside the panel. Then push the panel forward until you hear an audible click.



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