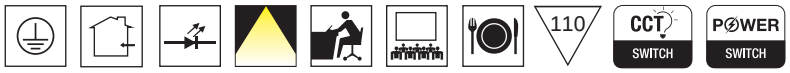
Hercules Gen2 Rec Panel

Environment friendly, new generation, aesthetically designed, ultra modern recess mounting luminaire with selectable wattage and color temperature, suitable for Armstrong/Grid ceiling.



Intertek
5021010

PRODUCT SPECIFICATIONS

Features & Benefits

- Delivers excellent illumination & comfort in high ceiling areas
- Suitable for dry and damp location use.
- Drivers have the function to change the CCT and wattage of the product through slide switch
- Long life & photo-biologically safe LED's
- High performance electronic driver ensures zero maintenance
- No harmful UV & IR radiations
- Environment friendly as it does not contain Mercury
- Instant light with low running temperatures
- Operating temperature: -10 °C to +40 °C
- Operating voltage range: 120 V - 277 V
- Average LED Life $L_{70}B_{50}$: 50000 hours

Housing

CRCA powder coated white after phosphochromate treatment.

Optics

High transmittance opal diffuser for glare free symmetric light distribution.

Light source

High efficiency long life LED package with lumen efficacy of 150 lm/W with a viewing angle of 120° to ensure better lumen output and uniformity.

Electronic driver

Powered by SELV Class II LED driver with constant current output and suitable for dry or damp location use. The drivers have the function to change the CCT and wattage of the end product through slide switch. Driver complies with UL 8750: 2015

Mounting

Lay-in mounting in Armstrong/Grid ceiling with safety clamps.

Applications

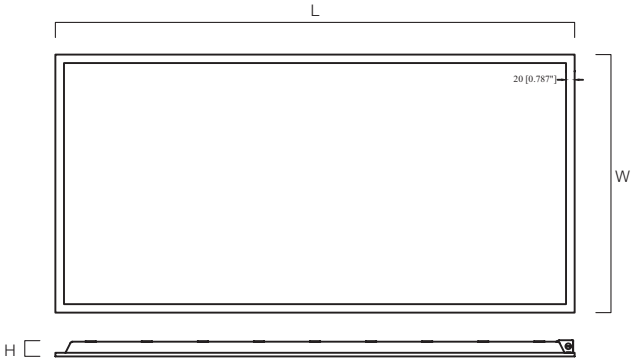
Commercial Spaces
Airport lounges
Corporate offices
Banks & ATM outlets
Data centers
Modern work spaces
Hospital premises

TECHNICAL DATA

Product Description Ordering Code	System Power (W)	Mains Current (A)	Power Factor	CRI (Ra)	Highest Wattage Lumen (lm) 5000 K / 4000 K / 3500 K	Lumen Efficacy	Colour of Fixture	Weight (kg)
HERCULESGEN2US2X4PLR50WLED LOEWAMPNPW1W050	50 W / 40 W / 30 W	0.45 A	0.90	≥80	6000 lm / 6000 lm / 5800 lm	120	White	3.6 kg
HERCULESGEN2US4X1PLR40WLED LOEWAOPNPW1W040	36 W / 26 W / 16 W	0.35 A	0.90	≥80	4400 lm / 4400 lm / 4200 lm	120	White	2.0 kg
HERCULESGEN2US2X2PLR40WLED LOEWANPNPW1W040	36 W / 26 W / 16 W	0.35 A	0.90	≥80	4400 lm / 4400 lm / 4200 lm	120	White	2.0 kg

Nominal Voltage (V) : 120 V -277 V

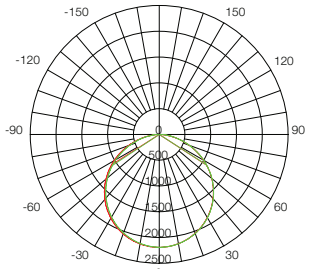
TECHNICAL DRAWING



DIMENSION

System Power	products	Length (l)	Width (w)	Height (h)
50 W / 40 W / 30 W	4 x 2	1213 mm	603 mm	35 mm
36 W / 26 W / 16 W	4 x 1	1213 mm	303 mm	35 mm
36 W / 26 W / 16 W	2 x 2	603 mm	603 mm	35 mm

All dimensions are in mm | Tolerance: ± 5 mm



Manufacturing tolerance applies as per relevant IS/IEC

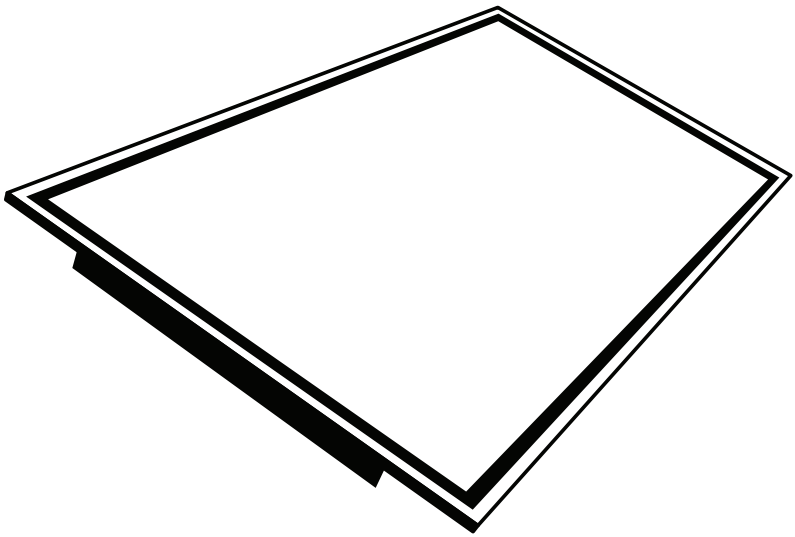
Specifications & images are subject to change without prior notice due to continuous up-gradation of technology.

Issue Date: 18th May. 2023 (Rev_01)

LED Lighting

INSTALLATION GUIDE

LED BACKLIT PANEL



THANK YOU

1.0

Table Of Contents

Safety Information

IMPORTANT: THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

SAVE THESE INSTRUCTIONS.

WARNING: Before installation or servicing, turn the power OFF at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is OFF at the light fixture.

WARNING: Ground the fixture to avoid potential electric shock.

WARNING: Wear gloves when handling the fixture as edges are sharp.

CAUTION: Connect the fixture to a 100-277 Volt, 50/60 Hz power source. Any other connection voids the warranty.

NOTICE: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.

IMPORTANT: The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

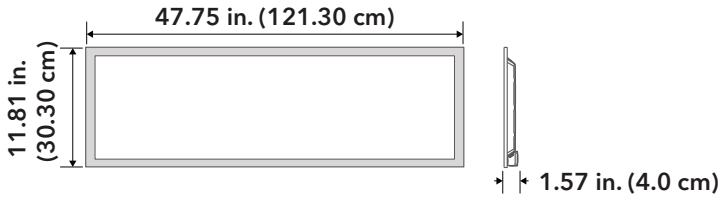
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Specifications

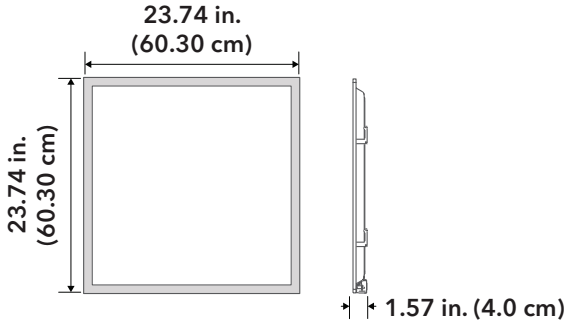
Voltage	100-277VAC, 50/60Hz
Dimming	0-10VDC
Operating Temperature Range	-20˚C to 40˚C (4˚F to 104˚F)
Ceiling Type	T-bar grid ceiling
Light Source	Non-replaceable LED

Drawing Dimensions

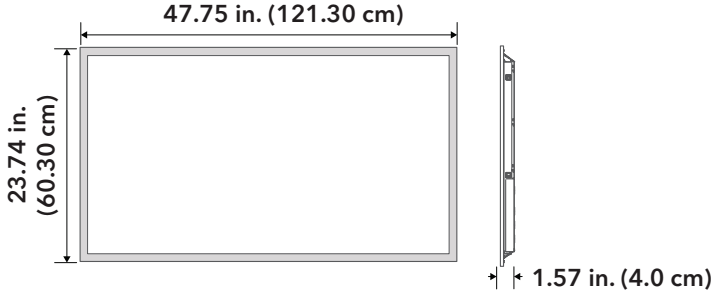
1x4



2x2

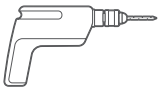


2x4



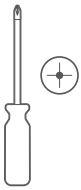
Tools Required

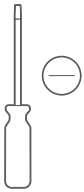

Safety goggles


Drill

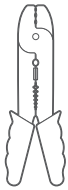

Ladder

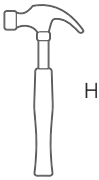

Electrical tape


Phillips screwdriver


Flathead screwdriver


Wire cutters


Wire strippers


Hammer

Before You Begin

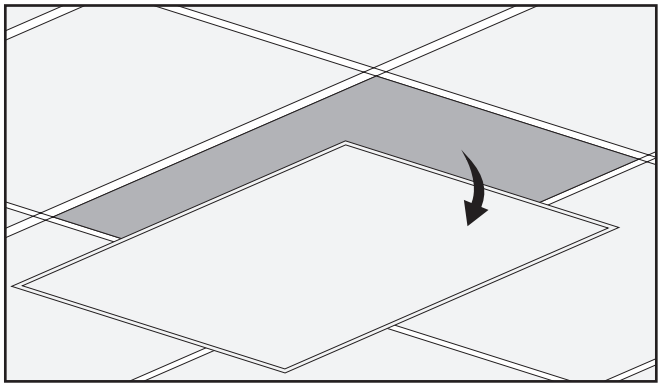
Turn off the electricity at the circuit breaker or fuse box.

Installation Option 1 – Standard Recessed Mount

WARNING: Before you begin, turn the power off at the circuit breaker or fuse box to avoid electric shock.

1 Remove the ceiling panel

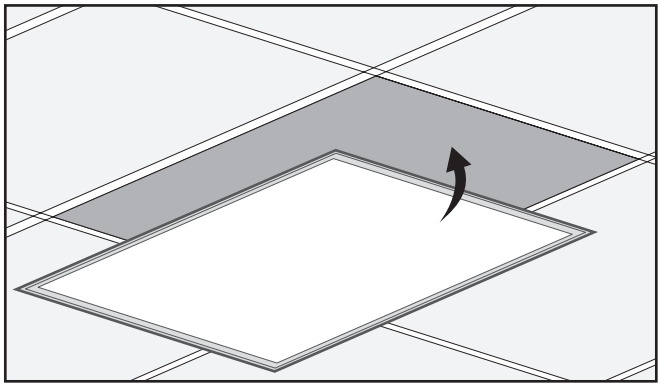
a. Remove the grid tile from the ceiling.



2 Connect the wires

a. Lift the fixture to the ceiling.

b. Follow the steps in the **Make the Electrical Connections** section of this manual.

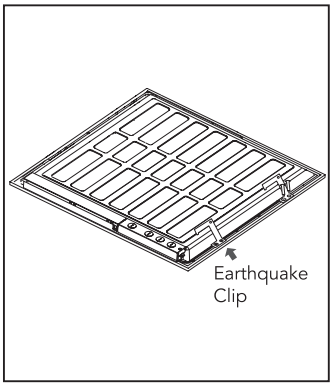


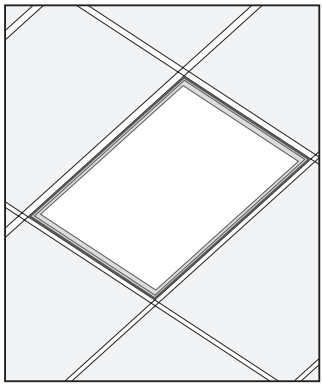
3 Complete the installation

a. Slide the fixture into the ceiling grid.

b. Attach earthquake clips by bending over the grid rails.

c. Restore power to the fixture.



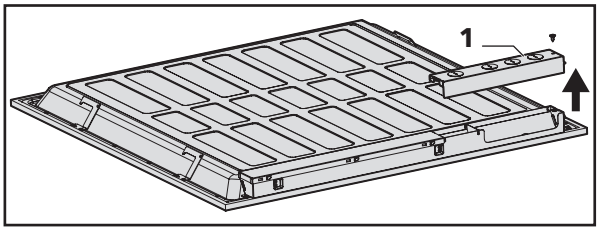


Making the Electrical Connections

WARNING: Before you begin, turn the power off at the circuit breaker or fuse box to avoid electric shock.

1 Open the junction box

a. Unscrew and remove the junction box cover (1) from the fixture.



2 Connect the supply wires

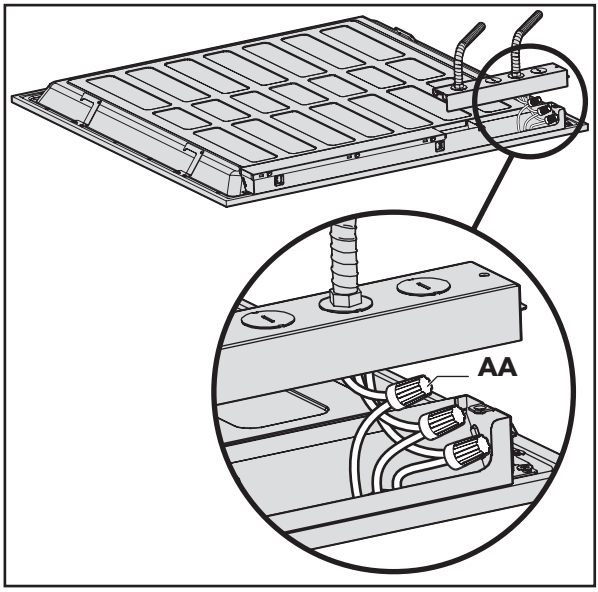
a. Connect the green ground wire from the fixture to the supply ground wire.

b. Connect the white wire from the fixture to the supply white wire (neutral wire).

c. Connect the black wire from the fixture to the supply black wire (live wire).

d. Secure the three connections using three of the supplied wire nuts (AA).

e. Wrap the three wire connections with electrical tape for a more secure connection (electrical tape not included).



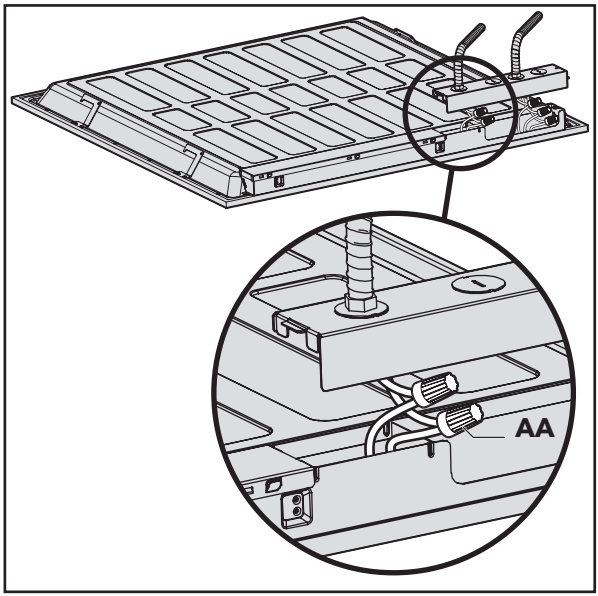
3 Connect the dimming wires

a. Connect the purple wire from the fixture to the purple (DIM+) supply wire.

b. Connect the gray wire from the fixture to the gray (DIM-) supply wire.

c. Secure the two connections using the remaining two supplied wire nuts (AA).

d. Wrap the two wire connections with electrical tape for a more secure connection (electrical tape not included).



4 Reinstall the junction box cover

a. Position the wires back inside the junction box.

b. Reinstall the junction box cover (1). Secure with screw.