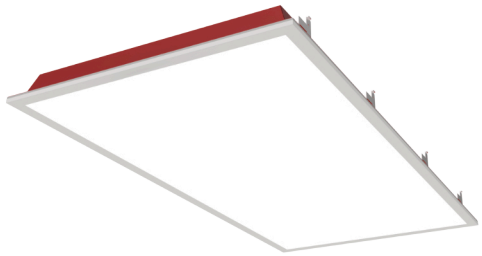
GN-PLFR

INDOOR

Fireproof LED Panel Light

Dry location

5 YEARS LIMITED WARRANTY INCLUDED | IP20 RATED & TESTED | RoHS Compliant | ETL Intertek | CE | IESNA LM-79 | IESNA LM-80



Fireproof LED panel light engineered with an iron casing, tested to meet UL263, 2-hour fire resistance ratings.

Highly configurable with field-selectable wattage options and adjustable CCTs, delivering up to 135 lm/W efficacy.

Constructed with an impact-resistant, UV stabilized polystyrene lens to ensure uniform light distribution and durability.

Features versatile mounting brackets with a two-section design allowing for precise height adjustment during installation.

Ordering Information

Clear Form

Date: _____ Quantity: _____

Project: _____ Note: _____

Type: _____ _____

Order Form

Luminaire | Example: GN-PNFR-22-WTG1-CCT-R80-DM

Series - Model	Wattage	Voltage	CCT	CRI	Dimming
GN-PLFR					
	22 (2×2FT)	**WTG1** (20/25/30/35W)	**CCT** (30/35/40/50K)	**R80** R80	**DM** 0-10V
	14 (1×4FT)	**WTG2** (35/40/45/50W - 2×4FT only)			
	24 (2×4FT)				

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.

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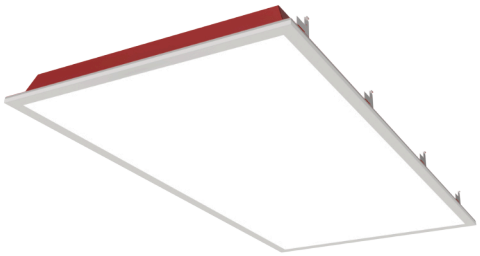

Performance

Size	Power	Lumen Output
2X2 FT	20-25-30-35W	2700 / 3370 / 4050 / 4720 lm
1X4 FT	20-25-30-35W	2700 / 3370 / 4050 / 4720 lm
2X4 FT	35-40-45-50W	4720 / 5400 / 6070 / 6750 lm

Application

Environment	Indoor
Mounting	Surface / Suspended (via adjustable two-section brackets)
Working Temperature	-20°C to 50°C
Ingress Protection	IP20

Electrical & Control

Power Supply	AC 120V - 277V
Driver Type	Built-in
Dimming	0-10V dimming

Luminaire Construction

LED Light Source	**30** = 3000K, CRI (Ra): 70+, 80+ **35** = 3500K, CRI (Ra): 70+, 80+ **40** = 4000K, CRI (Ra): 70+, 80+ **50** = 5000K, CRI (Ra): 70+, 80+
LED Source	Green Image Tech LED Strips
Housing Material	Iron fireproof casing
Lense	Impact resistant UV stabilized Polystyrene lens
Dimensions	2×2FT (24.0" x 24.0" x 2.8"), 1×4FT (48.0" x 12.0" x 2.8"), 2×4FT (48.0" x 24.0" x 2.8")
Warranty & LED Life	UL, DLC 6.0 Premium, FCC, RoHS, 5 years limited warranty. Estimated life of 50,000 hours

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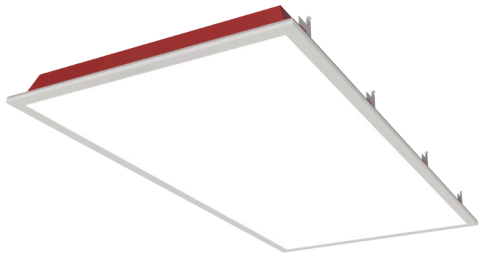

Specification

Construction

Housing features a robust iron fireproof casing achieving a UL263, 2H fire rating.

The lens is constructed from impact-resistant, UV stabilized Polystyrene.

The internal assembly includes a fireproof intumescent seal strip, fireproof insulation, and a fire insulation cover.

Available in three standard profiles:

2×2FT: 24.0" Length x 24.0" Width x 2.8" Height

1×4FT: 48.0" Length x 12.0" Width x 2.8" Height

2×4FT: 48.0" Length x 24.0" Width x 2.8" Height

Light Source

Utilizes LED strips as the primary light source.

Correlated Color Temperature (CCT) is selectable via switch: 3000K, 3500K, 4000K, or 5000K.

Color Rendering Index (CRI) is ≥80.

Expected lifespan is 50,000 hours.

Environmental

Operating temperature range: -20°C to 50°C.

Rated IP20, suitable for dry, indoor environments.

Applications

Offices

Shopping Malls

Hospitals

Electrical

Designed to operate on an input voltage of AC 120V - 277V.

Equipped with 0-10V dimming capabilities.

Features an integrated driver and junction box within the housing assembly.

Performance

2X2 FT | 20W / 25W / 30W / 35W | 2700 / 3370 / 4050 / 4720 lm | 135 lm/W @ 4000K

1X4 FT | 20W / 25W / 30W / 35W | 2700 / 3370 / 4050 / 4720 lm | 135 lm/W @ 4000K

2X4 FT | 35W / 40W / 45W / 50W | 4720 / 5400 / 6070 / 6750 lm | 135 lm/W @ 4000K

Mounting

Utilizes a highly adaptable two-section mounting bracket system.

Section 1 is a standard component that attaches directly to the light fixture.

Optional accessory available in short or long lengths, allowing end-users to select the appropriate bracket based on ceiling height.

Height adjustment is achieved by loosening a set screw on the bracket, sliding it to the desired position, and re-tightening.

Certification & Compliance

UL Listed.

DLC 6.0 Premium qualified.

FCC compliant.

RoHS rated.

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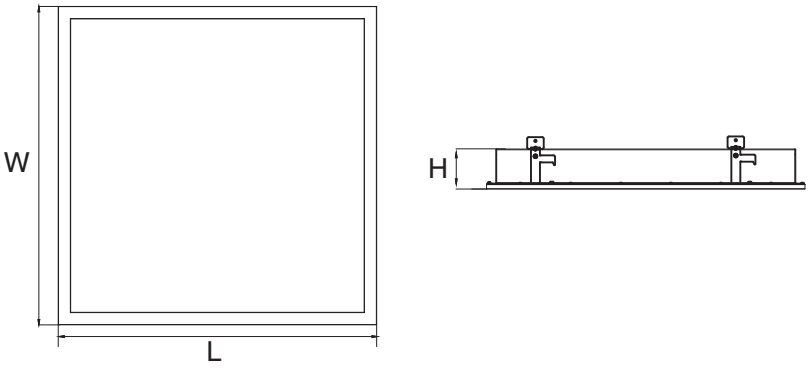
Dimensions

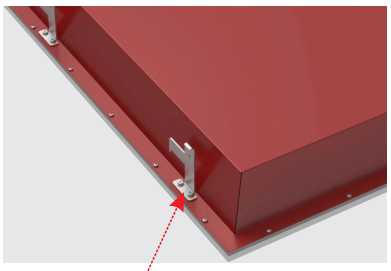
Wattage	L	W	H
2X2FT	24.0″	24.0″	2.8″
1X4FT	48.0″	12.0″	2.8″
2X4FT	48.0″	24.0″	2.8″



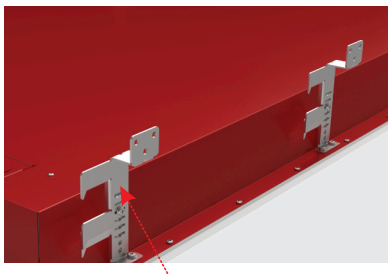
Bracket

The bracket has two parts: a standard section that attaches to the fixture, and an optional, height-adjustable extension available in two lengths.

Choose the extension length based on ceiling height and attach it to the first section during installation.



Section 1 (Installing to Fixture)



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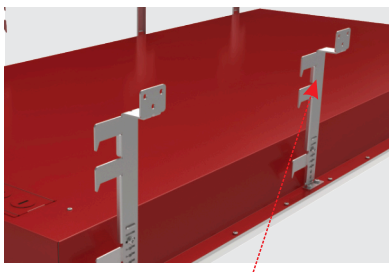

Section 2 (Long brackets)

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