

NFLIN-S610

6" Square FLIN High Lumen Recessed LED

Source: 16W

1150lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

Thin recessed LED designed for easy installation into new construction or remodel applications. Luminaire includes a quick connect that allows the junction box to easily disconnect and mounted in the ceiling. Junction box measures under 2" for shallow plenum ceilings where access above the ceiling is limited.

FEATURES

- Thin construction measures under 2" height
- Special polymer lens
- IC Air-Tight rated
- Quick disconnect allows for easy installation
- Driver is potted for quiet dimming and cooler operation
- Triac or ELV dimming
- cULus Listed for Wet Locations
- 5-year limited warranty

SPECIFICATION

Construction: Thin die-cast aluminum construction measures 1.25" in height

Lens: Regressed lens with sharp baffle cuts reduces aperture brightness. Special polymer lens produces more usable light and lumens per watt.

Driver: Electronic potted driver for quiet dimming and cool operation.

Junction Box: Prewired junction box includes quick connect to LED fixtures for ease of installation. Junction box includes four knockouts and snap on cover with 22" connector length. Through branch circuit wiring, (2-in, 2-out).

Mounting: No housing is required, two tensions steel spring clips secure luminaires to the ceiling. Accepts ceiling thicknesses from 3/8" to 15/16" New construction frame-in kits are available, see accessories.

Minimum clearance: "IC" Insulated ceiling housings are direct contact rated; no minimum clearance is required. Air-tight gasket provided.

ELECTRICAL

Voltage: 120VAC

Lumens / Wattage: 1150lm / 16W

Color Temperature: 2700K, 3000K, 4000K or 5000K

CRI: 90+CRI

Operating Temp.: 0°C to 40°C ambient temperature

Dimming: Dimmable down to 10% with Triac or ELV dimmer

[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

OPTIONAL ACCESSORIES

[NFP-S625](#): New Construction Frame-In for 6" Square

[NFLIN-EW-4](#): 4' Quick Connect Linkable Extension Cable

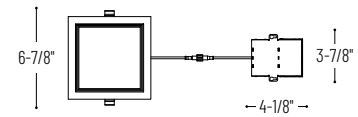
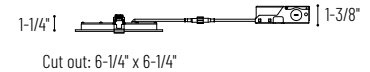
[NFLIN-EW-20](#): 20' Quick Connect Linkable Extension Cable

LABELS AND LISTINGS

- cULus Listed for Wet location
- ENERGY STAR certified
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- [5-Year Limited Warranty](#)
- FCC Compliant



PRODUCT IMAGES AND DIMENSIONS



6" Square FLIN High Lumen Recessed LED

Size / Lumens / Wattage	CCT	Finish	Input Voltage / Dimming
NFLIN-S610 = 6" Square / 1150lm / 16W	27 = 2700K	WW = White	LE3 = 120V; Triac/ELV dimming
	30 = 3000K		
	40 = 4000K		
	50 = 5000K		

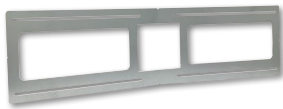
Optional Accessories

Description
NFP-S625 = New Construction Frame-In for 6" Square
NFLIN-EW-4 = 4' Quick Connect Extension Cable
NFLIN-EW-20 = 20' Quick Connect Extension Cable

Example: **NFLIN-S61050WWLE3** = 6" Square FLIN, 1150lm / 16W, 5000K, White finish, 120V input

NFLIN-S610
6" Square FLIN High Lumen Recessed LED Accessories

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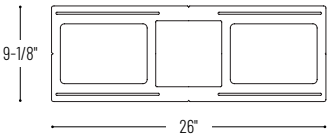
New Construction Frame-In for 6"

NFP-S625 Square
For new construction pre-wiring and easier layout planning.



Quick Connect Extension Cables

NFLIN-EW-4 4'
NFLIN-EW-20 20'
Used to extend the length between luminaire and pre-wired junction box.



Photometrics

6" FLIN Series

Source: 16W
1150lm

Type

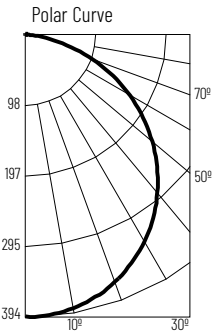
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Test Information

Test Number: NTR11329R1
Part Number: NFLIN-S61030LE3
Lumens: 1113lm
Wattage: 16W
Efficacy: 70lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180): 1.28
Spacing Criteria (90°-270): 1.26



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	24.6fc	11"-10"
6'	10.9fc	17"-8"
8'	6.1fc	23"-7"
10'	3.9fc	29"-6"
12'	2.7fc	35"-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	306	27.5
0-40	501	45
0-60	883	79.3
0-90	1106	99.3
90-180	7	0.7
0-180	1113	100

Candela Table

Vertical Angles	Candela
0	393
5	393
15	380
25	353
35	313
45	263