

# NFLIN-S815 / NFLIN-S822

8" Square FLIN High Lumen Recessed LED

Source: 20W or 33W

1400lm or 2350lm

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 (LE4 measures 1.625" thick)

**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).

**Maximum length between luminaire and driver is 40'. For longer remote driver remote run length, consult factory.**

**Mounting:** No housing is required, two tensions steel spring clips secure luminaires to the ceiling. LE3 luminaires accept ceiling thicknesses from 3/8" to 15/16". LE4 luminaires accept ceiling thicknesses from 3/8" to 1-1/4". 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:** S815 = 120VAC; S822 = 120/277VAC

**Lumens / Wattage:** S815 = 1400lm / 20W; S822 = 2350lm / 33W

**Color Temperature:** 3000K, 3500K, 4000K, 5000K

**Color Rendering Index:** 90+CRI

**Operating Temperature:** S815 = 0°C to 40°C; S822 = 0°C to 25°C

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

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

## OPTIONAL ACCESSORIES

NFLIN-8S-F: New Construction Frame-In for 8" Square

NFLIN-EW-4: 4' Quick Connect Linkable Extension Cable

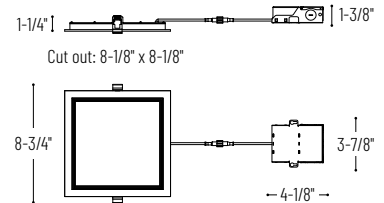
NFLIN-EW-20: 20' Quick Connect Linkable Extension Cable

## LABELS AND LISTINGS

- cULus Listed for Wet location
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- 5-Year Limited Warranty
- FCC Compliant

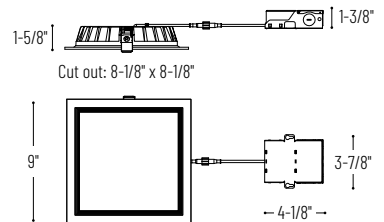


## PRODUCT IMAGES AND DIMENSIONS



### NFLIN-S815

8" FLIN High Lumen Recessed LED



### NFLIN-S822

8" FLIN High Lumen Recessed LED

## 8" Square FLIN High Lumen Recessed LED

Size / Lumens / Wattage	CCT	Finish	Input Voltage / Dimming
NFLIN-S815 = 8" Square / 1900lm / 20W	30 = 3000K	WW = White	LE3 = 120V; Triac/ELV dimming
	35 = 3500K		
	40 = 4000K		
	50 = 5000K		
NFLIN-S822 = 8" Square / 2350lm / 33W	35 = 3500K	WW = White	LE4 = 120 / 277V; 120V Triac/ELV dimming
	40 = 4000K		

## Optional Accessories

Description
NFLIN-8S-F = New Construction Frame-In for 8" Square
NFLIN-EW-4 = 4' Quick Connect Extension Cable
NFLIN-EW-20 = 20' Quick Connect Extension Cable

Example: NFLIN-S81550WWLE3 = 8" Square FLIN, 1400lm / 20W, 5000K, White finish, 120V input

# NFLIN-S8

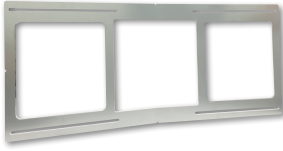
8" Square FLIN High Lumen Recessed LED Accessories

Type \_\_\_\_\_

Project \_\_\_\_\_

Catalog No. \_\_\_\_\_

Notes \_\_\_\_\_



New Construction Frame-In for 8"

### NFLIN-8S-F

Square

For new construction pre-wiring and easier layout planning.



Quick Connect Extension Cables

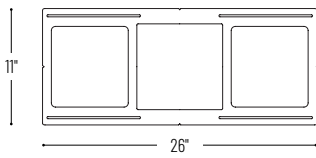
### NFLIN-EW-4

4'

### NFLIN-EW-20

20'

Use to extend the length between luminaire and driver box. Can be connected together to create custom lengths. Maximum length between luminaire and driver is 40'. For longer remote driver remote run length, consult factory.



# Photometrics

8" FLIN Series

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## Test Information

Test Number: NTR11330R1

Part Number: NFLIN-S81530LE3

Lumens: 1401lm

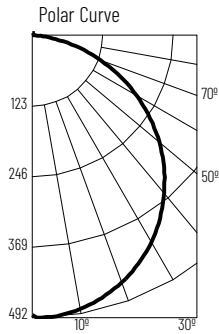
Wattage: 19.8W

Efficacy: 71lpw

CCT / CRI: 3000K / 90 CRI

Spacing Criteria (0°-180): 1.28

Spacing Criteria (90°-270): 1.28



## Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30.5fc	11"-11"
6'	13.6fc	17"-11"
8'	7.6fc	23"-10"
10'	4.9fc	29"-10"
12'	3.4fc	35"-8"

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	381	27.2
0-40	624	44.5
0-60	1101	78.6
0-90	1387	99
90-180	14	1
0-180	1401	100

## Candela Table

Vertical Angles	Candela
0	488
5	490
15	473
25	441
35	393
45	330

## Test Information

Test Number: NTR11332R1

Part Number: NFLIN-S82230LE4

Lumens: 2347lm

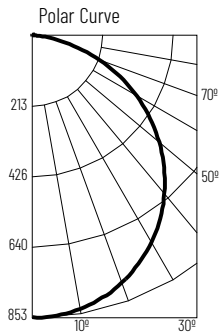
Wattage: 29.9W

Efficacy: 79lpw

CCT / CRI: 3000K / 90 CRI

Spacing Criteria (0°-180): 1.24

Spacing Criteria (90°-270): 1.24



## Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	53fc	11"-2"
6'	23.5fc	16"-10"
8'	13.2fc	22"-5"
10'	8.5fc	28"
12'	5.9fc	33"-7"

## Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	652	27.8
0-40	1060	45.2
0-60	1858	79.2
0-90	2326	99.1
90-180	21	0.9
0-180	2347	100

## Candela Table

Vertical Angles	Candela
0	848
5	841
15	807
25	741
35	651
45	544