

# NEFLINTW-S6233

6" E-Series FLIN Square LED Downlight with Selectable CCT

Source: 13.5W

Up to 1150lm

## PRODUCT DESCRIPTION

E-Series FLIN is a thin recessed LED designed for easy installation into new construction or remodel applications. Luminaires include a selectable color temperature switch located on the junction box of each luminaire with a quick connect that allows for easy disconnect and mounting in the ceiling.

## FEATURES

- No housing required and includes junction box with class 2 driver
- Quick installation and cost savings
- Junction box includes kelvin temperature switch
- IC Air-Tight rated
- Field selectable color temperature
- Triac or ELV dimming
- cETLus Listed for Wet Locations
- 5-year limited warranty

## SPECIFICATION

**Construction:** Die-cast aluminum luminaire with spring clips for easy installation. Gasket included for air-tight and wet location listing without additional caulking.

**Air Flow Restriction:** Luminaire has factory installed gasket to restrict airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM-283 Air-Tight requirements.

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

**Junction Box:** Prewired junction box includes quick connect to LED fixtures for ease of installation. Junction box includes two 1/2" trade size and two 3/8" trade size knockouts and snap on cover. Maximum of 4 No. 12 AWG through branch circuit conductor suitable for 90°C permitted in box.

[Fixture wire length: 9" and Junction box wire length: 9"]  
**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. Luminaires accept ceiling thicknesses from 3/8" to 5/16". New construction frame-kits are available, see accessories.

**Minimum clearance:** "IC" Insulated ceiling housings are direct contact rated; no minimum clearance is required.

## ELECTRICAL

**Voltage:** 120VAC or 120-277VAC  
**Lumens / Wattage:** Up to 1150lm / 13.5W  
**Color Temperature:** Selectable CCT (27K / 30K / 35K) (Note: Preset to 2700K)  
**Color Rendering Index:** 90+ CRI  
**Beam Spread:** 112° Wide Flood  
**Operating Temperature:** 0°C to 35°C  
**Lifetime:** 50,000 hours @ L70  
**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

[NFP-S625:](#) New Construction Plate  
[NEFLINTW-EW-4:](#) 4' Quick Connect Linkable Cable  
[NEFLINTW-EW-20:](#) 20' Quick Connect Linkable Cable

## LABELS AND LISTINGS

- cETLus Listed for Wet location
- Certified to the high efficacy requirements of California Title 24 JA8-2022
- [5-Year Limited Warranty](#)
- FCC Compliant



Type

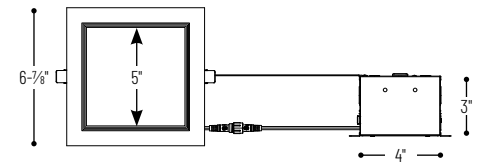
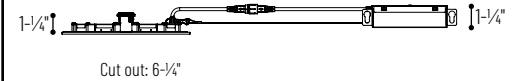
Project

Catalog No.

Notes

Performance Data		
Part Number	Lumens	CCT
NEFLINTW-S6233MPW	1074lm	2700K
NEFLINTW-S6233MPW	1156lm	3000K
NEFLINTW-S6233MPW	1161lm	3500K

## PRODUCT IMAGES AND DIMENSIONS



## 6" E-Series FLIN Square LED Downlight with Selectable CCT

Aperture	Color Temperature	Finish	Input Voltage
NEFLINTW-S6233 = Square	233 = Selectable CCT (2700K / 3000K / 3500K)	MPW = Matte Powder White	(blank) = 120V LE4 = 120-277V

## Optional Accessories

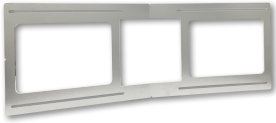
Description
NFP-S625 = New Construction Plate
NEFLINTW-EW-4 = 4' Quick Connect Extension Cable
NEFLINTW-EW-20 = 20' Quick Connect Extension Cable

Example: NEFLINTW-S6233MPW = 6" E-Series FLIN Square LED Downlight, Selectable CCT (2700K / 3000K / 3500K), Matte Powder White finish, 120V input

# NEFLINTW-S6233

6" E-Series FLIN Square LED Downlight with Selectable CCT Accessories

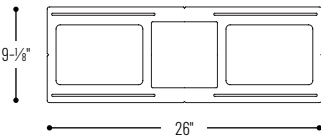
Type	_____
Project	_____
Catalog No.	_____
Notes	_____



New Construction Plate

### NFP-S625

For new construction pre-wiring and easier layout planning.



Quick Connect Extension Cables

### NEFLINTW-EW-4

4'

### NEFLINTW-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

## NEFLINTW-S6233MPW

6" E-Series FLIN Square LED Downlight with Selectable CCT

Type

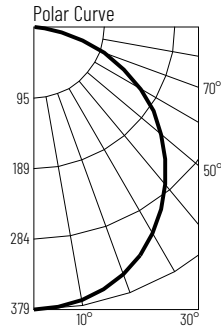
Project

Catalog No.

Notes

### Test Information

Test Number: NTR1823R1  
 Part Number: NEFLINTW-S6233MPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1074lm  
 Wattage: 13.37W  
 Efficacy: 80lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.26  
 Spacing Criteria (90°-270°): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.7fc	11'-11"
6'	10.5fc	17'-11"
8'	5.9fc	23'-10"
10'	3.8fc	29'-10"
12'	2.6fc	35'-10"

### Zonal Lumen Summary

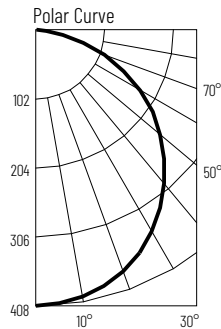
Zone	Lumens	% Luminaire
0-30	294	27.4
0-40	480	44.7
0-60	849	79.1
0-90	1074	100
90-180	0	0
0-180	1074	100

### Candela Table

Vertical Angles	Candela
0	379
5	377
15	364
25	338
35	299
45	250

### Test Information

Test Number: NTR1824R1  
 Part Number: NEFLINTW-S6233MPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1156lm  
 Wattage: 13W  
 Efficacy: 74lpw  
 CCT / CRI: 3000K / 90 CRI  
 Spacing Criteria (0°-180°): 1.26  
 Spacing Criteria (90°-270°): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	25.5fc	11'-11"
6'	11.3fc	17'-11"
8'	6.4fc	23'-11"
10'	4.1fc	29'-10"
12'	2.8fc	35'-10"

### Zonal Lumen Summary

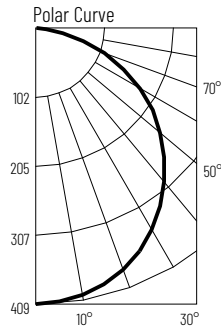
Zone	Lumens	% Luminaire
0-30	316	27.3
0-40	517	44.7
0-60	914	79.1
0-90	1156	100
90-180	0	0
0-180	1156	100

### Candela Table

Vertical Angles	Candela
0	408
5	405
15	391
25	363
35	321
45	270

### Test Information

Test Number: NTR1825R1  
 Part Number: NEFLINTW-S6233MPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1161lm  
 Wattage: 13.45W  
 Efficacy: 86lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.26  
 Spacing Criteria (90°-270°): 1.26



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	25.6fc	11'-11"
6'	11.4fc	17'-11"
8'	6.4fc	23'-11"
10'	4.1fc	29'-10"
12'	2.8fc	35'-10"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	317	27.3
0-40	519	44.7
0-60	918	79.1
0-90	1161	100
90-180	0	0
0-180	1161	100

### Candela Table

Vertical Angles	Candela
0	409
5	408
15	393
25	365
35	323
45	270