

# 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"]

**Mounting:** No housing is required, two tensions steel spring clips secure luminaires to the ceiling. Luminaires accept ceiling thicknesses from 3/8" to 5/8". New construction frame-in 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
- ENERGY STAR certified
- Certified to the high efficacy requirements of California Title 24 JA8-2019
- [5-Year Limited Warranty](#)
- FCC Compliant



Type

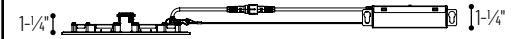
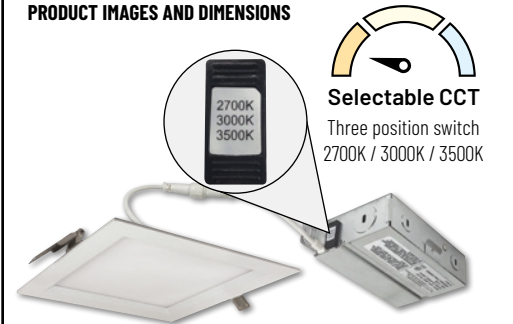
Project

Catalog No.

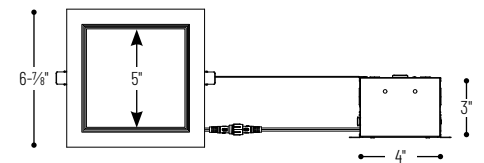
Notes

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

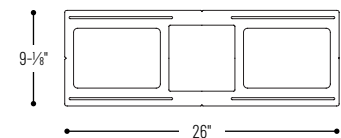
## PRODUCT IMAGES AND DIMENSIONS



Cut out: 6-1/4"



NFP-S625



NEFLINTW-EW

## 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

# PHOTOMETRICS

## NEFLINTW-S6233MPW

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

Type

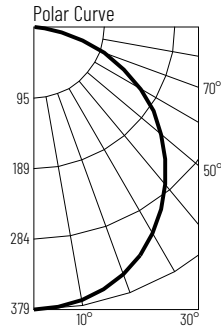
Project

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

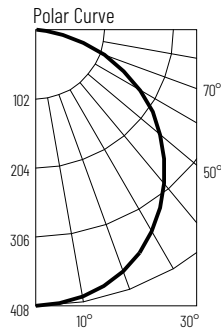
Zone	Lumens	% Luminaire
0-30	294	27.4
0-40	480	44.7
0-60	849	79.1
0-90	1074	100
90-180	0	0
0-180	1074	100

### 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

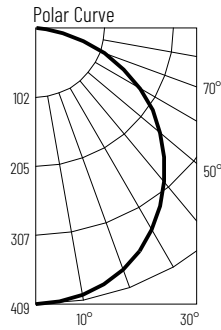
Zone	Lumens	% Luminaire
0-30	316	27.3
0-40	517	44.7
0-60	914	79.1
0-90	1156	100
90-180	0	0
0-180	1156	100

### 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