

NEFLINTW-S6233

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

Source: 13.5W

Up to 1150lm

Type

Project

Catalog No.

Notes

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 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

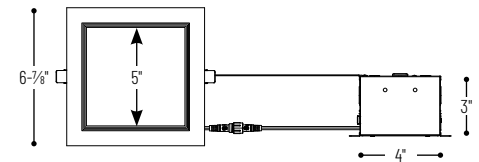
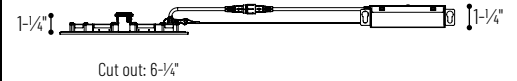
LABELS AND LISTINGS

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



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

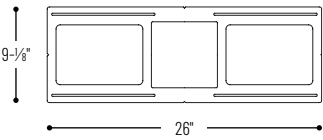
Type	_____
Project	_____
Catalog No.	_____
Notes	_____



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

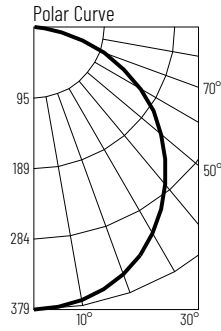
Project

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

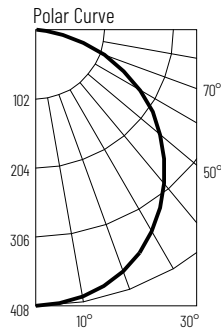
Zone	Lumens	% Luminaire
0-30	294	27.4
0-40	480	44.7
0-60	849	79.1
0-90	1074	100
90-180	0	0
0-180	1074	100

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

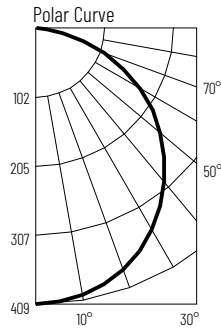
Zone	Lumens	% Luminaire
0-30	316	27.3
0-40	517	44.7
0-60	914	79.1
0-90	1156	100
90-180	0	0
0-180	1156	100

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