NEFLINTW-S4MPW / NEFLINTW-S6MPW

4" & 6" FLIN Square Can-less Wafer LED Downlight with Selectable CCT
Source: 10.5W or 13.5W
650lm or 1200lm

Type
Project
Catalog No.
Notes

PRODUCT DESCRIPTION

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 Airtight rated
- Field selectable color temperature
- cETLus Listed for Wet Locations
- 5-year limited warranty

SPECIFICATION

Construction: Die-cast aluminum luminaire with spring clips for easy installation. Gasket included for airtight 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 to ASTM E283.

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 ½" trade size and two ⅜" 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: 5" 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 ⅜" 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.

ELECTRICAL

Voltage: 120VAC or 120-277VAC
Lumens / Wattage: 650lm / 10.5W or 1200lm / 13.5W
Color Temperature: Selectable CCT
(2700K / 3000K / 3500K / 4000K / 5000K)
Color Rendering Index: 90+ CRI
Beam Spread: 115° Wide Flood
Operating Temperature: 0°C to 35°C
Lifetime: 50,000 hours @ L70
Dimming: Phase (Triac/ELV) or 0-10V
Click Here or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

OPTIONAL ACCESSORIES

NEFLINTW-EW-4: 4' Quick Connect Linkable Cable
NEFLINTW-EW-20: 20' Quick Connect Linkable Cable
NFP-S425: New Construction Plate for 4"
NFP-S625: New Construction Plate for 6"
NEPK-23LEDUNV: 23W Emergency with Remote Test Switch
NEPK-23LEDUNV-JB: 23W Emergency Kit w/Remote Switch
NEPKA-20/23LEDRTS: Ribbon Test Switch for NEPK-23LEDUNV

Emergency: Luminaire is compatible with NEPK-23LEDUNV (ordered separately). Remote mounted battery operates luminaire for 90 minute emergency operation with a fully charged battery. Emergency includes remote test switch, ribbon test switch accessory (NEPKA-20/23LEDRTS) ordered separately.

LABELS AND LISTINGS

- cETLus Listed for Wet Locations
- Certified to the high efficacy requirements of California Title 24 JA8-2025
- 5-Year Limited Warranty
- FCC Compliant

Performance Data			
Part Number	4" Lumens	6" Lumens	CCT
NEFLINTW-SX	588lm	1041lm	2700K
NEFLINTW-SX	616lm	1073lm	3000K
NEFLINTW-SX	644lm	1156lm	3500K
NEFLINTW-SX	657lm	1198lm	4000K
NEFLINTW-SX	658lm	1223lm	5000K

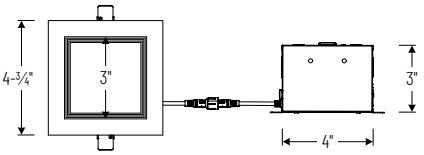
PRODUCT IMAGES AND DIMENSIONS



Selectable CCT
Five position sliding switch
27K / 30K / 35K / 40K / 50K

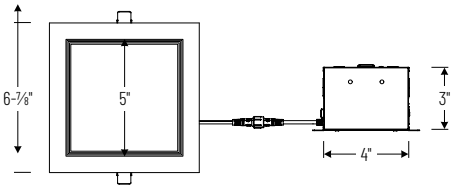


NEFLINTW-S4MPW
Cut out: 4-¼" x 4-¼"





NEFLINTW-S6MPW
Cut out: 6-¼" x 6-¼"



4" & 6" FLIN Square Can-less Wafer LED Round Downlight with Selectable CCT

Aperture / Lumens / Wattage	Input Voltage / Dimming
NEFLINTW-S4MPW = 4" / 650lm / 10.5W	**(blank)** = 120V input; Phase (Triac/ELV) dimming
NEFLINTW-S6MPW = 6" / 1200lm / 13.5W	**LE4** = 120-277V input; 0-10V dimming
Example: **NEFLINTW-S6MPW** = 6" FLIN LED Downlight with Selectable CCT, 1200lm / 13.5W, White Finish, 120V input; Phase dimming	

Optional Accessories

Description
NEFLINTW-EW-4 = 4' Extension Cable
NEFLINTW-EW-20 = 20' Extension Cable
NFP-S425 = New Construction Plate for 4"
NFP-S625 = New Construction Plate for 6"
NEPK-23LEDUNV = 23W Emergency LED Driver w/ Remote Test Switch
NEPK-23LEDUNV-JB = 23W Emergency LED Driver Kit w/ Test Switch
NEPKA-20/23LEDRTS = Ribbon Test Switch for NEPK-23LEDUNV

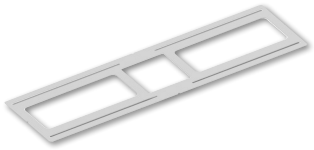
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NEFLINTW-S4MPW / NEFLINTW-S6MPW

4" & 6" FLIN Square Can-less Wafer LED Downlight with Selectable CCT Accessories

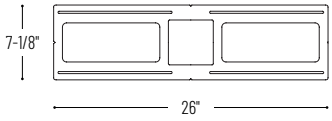
Type	
Project	
Catalog No.	
Notes	

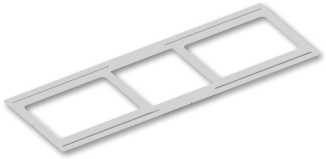


New Construction Plate

NFP-S425 for NEFLINTW-S4TW

New construction plate can be used to assist installing can-less recessed downlighting.

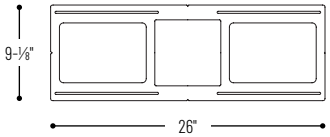




New Construction Plate

NFP-S625 for NEFLINTW-S6TW

New construction plate can be used to assist installing can-less recessed downlighting.





Quick Connect Extension Linkable Cables

NEFLINTW-EW-4 4' Cable
NEFLINTW-EW-20 10' Cable

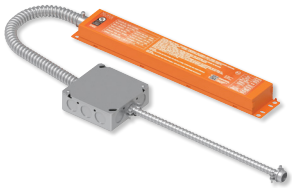
Use to extend the length between luminaire and driver enclosure. Can be connected together to create custom lengths. Maximum length between luminaire and driver is 40'. For longer remote driver remote run length, consult factory.



23W Emergency LED Driver with Remote Test Switch

NEPK-23LEDUNV

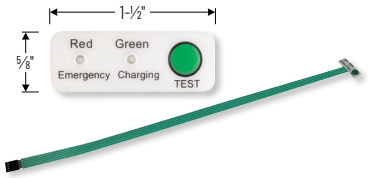
120-277V Emergency battery operates luminaire for 90 minute emergency operation with a fully charged battery. Requires 24 hours to charge the battery.



23W Emergency LED Driver Kit with Remote Test Switch

NEPK-23LEDUNV-JB

120-277V Emergency battery operates luminaire for 90 minute emergency operation with a fully charged battery. Requires 24 hours to charge the battery. Includes junction box.



Ribbon Test Switch for NEPK-23LEDUNV

NEPKA-20/23LEDRTS

Ribbon test switch replaces remote test switch included with emergency driver. Double sided tape is pre-installed.

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PHOTOMETRICS

4" FLIN Square Can-less Wafer LED Downlight with Selectable CCT

Type

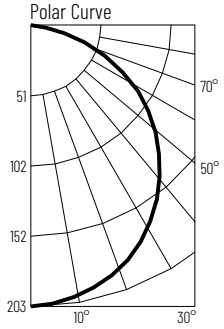
Project

Catalog No.

Notes

Test Information
Test Number: NTR1928R2
Part Number: NEFLINTW-S4MPW
Beam Spread: 114° Wide Flood
Lumens: 588lm
Wattage: 10.11W
Efficacy: 58lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.24
Spacing Criteria (90°-270°): 1.24

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	12.7fc	12'-6"
6'	5.6fc	18'-10"
8'	3.2fc	25'-1"
10'	2fc	31'-4"
12'	1.4fc	37'-7"

Zonal Lumen Summary

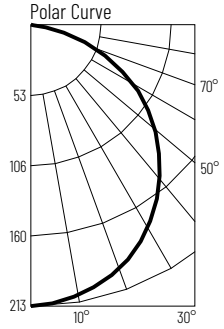
Zone	Lumens	% Luminaire
0-30	131	22.2
0-40	218	37.1
0-60	449	76.5
0-90	588	100
90-180	0	0
0-180	588	100

Candela Table

Vertical Angles	Candela
0	203
5	201
15	193
25	178
35	157
45	130

Test Information
Test Number: NTR1929R1
Part Number: NEFLINTW-S4MPW
Beam Spread: 114° Wide Flood
Lumens: 616lm
Wattage: 9.99W
Efficacy: 62lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	13.3fc	12'-6"
6'	5.9fc	18'-8"
8'	3.3fc	25'
10'	2.1fc	31'-2"
12'	1.5fc	37'-5"

Zonal Lumen Summary

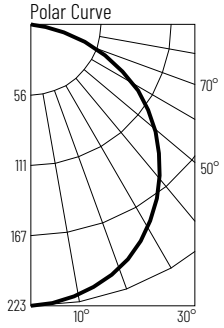
Zone	Lumens	% Luminaire
0-30	166	27
0-40	273	44.3
0-60	485	78.8
0-90	616	100
90-180	0	0
0-180	616	100

Candela Table

Vertical Angles	Candela
0	213
5	212
15	205
25	192
35	171
45	144

Test Information
Test Number: NTR1930R1
Part Number: NEFLINTW-S4MPW
Beam Spread: 114° Wide Flood
Lumens: 644lm
Wattage: 9.78W
Efficacy: 66lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.28

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	13.9fc	12'-6"
6'	6.2fc	18'-8"
8'	3.5fc	25'
10'	2.2fc	31'-2"
12'	1.6fc	37'-6"

Zonal Lumen Summary

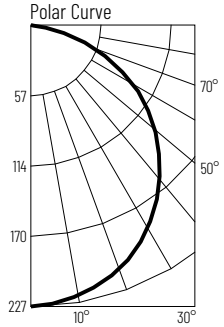
Zone	Lumens	% Luminaire
0-30	143	22.3
0-40	239	37.1
0-60	493	76.6
0-90	644	100
90-180	0	0
0-180	644	100

Candela Table

Vertical Angles	Candela
0	223
5	222
15	214
25	200
35	179
45	151

Test Information
Test Number: NTR1931R1
Part Number: NEFLINTW-S4MPW
Beam Spread: 114° Wide Flood
Lumens: 657lm
Wattage: 9.93W
Efficacy: 66lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	14.2fc	12'-5"
6'	6.3fc	18'-7"
8'	3.6fc	24'-11"
10'	2.3fc	31'-1"
12'	1.6fc	37'-4"

Zonal Lumen Summary

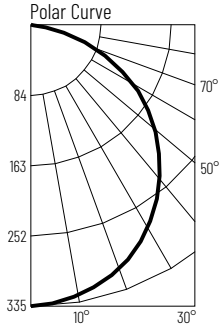
Zone	Lumens	% Luminaire
0-30	177	27
0-40	291	44.3
0-60	518	78.8
0-90	657	100
90-180	0	0
0-180	657	100

Candela Table

Vertical Angles	Candela
0	227
5	226
15	219
25	205
35	183
45	154

Test Information
Test Number: NTR1932R1
Part Number: NEFLINTW-S4MPW
Beam Spread: 114° Wide Flood
Lumens: 658lm
Wattage: 10.2W
Efficacy: 64lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.28

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	14.2fc	12'-5"
6'	6.3fc	18'-8"
8'	3.6fc	24'-11"
10'	2.3fc	31'-1"
12'	1.6fc	37'-4"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	147	22.3
0-40	244	37.2
0-60	504	76.6
0-90	658	100
90-180	0	0
0-180	658	100

Candela Table

Vertical Angles	Candela
0	228
5	227
15	219
25	205
35	182
45	154

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PHOTOMETRICS

6" FLIN Square Can-less Wafer LED Downlight with Selectable CCT

Type

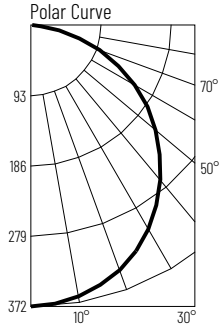
Project

Catalog No.

Notes

Test Information
Test Number: NTR2735
Part Number: NEFLINTW-S6MPW
Beam Spread: 111° Wide Flood
Lumens: 1041lm
Wattage: 13.78W
Efficacy: 76lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.2fc	11'-7"
6'	10.3fc	17'-5"
8'	5.8fc	23'-2"
10'	3.7fc	29'
12'	2.6fc	34'-10"

Zonal Lumen Summary

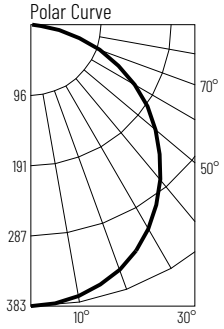
Zone	Lumens	% Luminaire
0-30	287	27.6
0-40	469	45.1
0-60	825	79.2
0-90	1040	99.9
90-180	0	0
0-180	1041	100

Candela Table

Vertical Angles	Candela
0	372
5	369
15	356
25	329
35	290
45	242

Test Information
Test Number: NTR2736
Part Number: NEFLINTW-S6MPW
Beam Spread: 111° Wide Flood
Lumens: 1073lm
Wattage: 13.56W
Efficacy: 79lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.9fc	11'-8"
6'	10.6fc	17'-6"
8'	6fc	23'-4"
10'	3.8fc	29'-2"
12'	2.7fc	35'

Zonal Lumen Summary

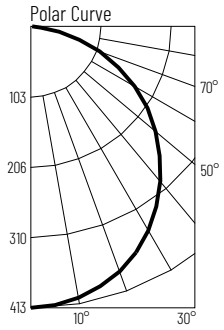
Zone	Lumens	% Luminaire
0-30	296	27.6
0-40	484	45.1
0-60	850	79.2
0-90	1073	99.9
90-180	0	0
0-180	1073	100

Candela Table

Vertical Angles	Candela
0	382
5	381
15	367
25	340
35	300
45	250

Test Information
Test Number: NTR2737
Part Number: NEFLINTW-S6MPW
Beam Spread: 111° Wide Flood
Lumens: 1156lm
Wattage: 13.44W
Efficacy: 86lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	25.7fc	11'-7"
6'	11.4fc	17'-5"
8'	6.4fc	23'-2"
10'	4.1fc	29'
12'	2.9fc	34'-11"

Zonal Lumen Summary

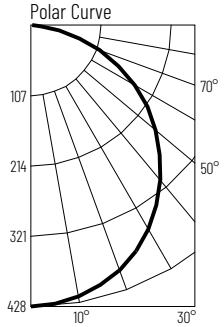
Zone	Lumens	% Luminaire
0-30	264	22.8
0-40	438	37.9
0-60	890	77
0-90	1155	100
90-180	0	0
0-180	1156	100

Candela Table

Vertical Angles	Candela
0	412
5	409
15	394
25	365
35	322
45	268

Test Information
Test Number: NTR2738
Part Number: NEFLINTW-S6MPW
Beam Spread: 111° Wide Flood
Lumens: 1198lm
Wattage: 13.6W
Efficacy: 88lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	26.7fc	11'-7"
6'	11.9fc	17'-6"
8'	6.7fc	23'-4"
10'	4.3fc	29'-1"
12'	3fc	34'-11"

Zonal Lumen Summary

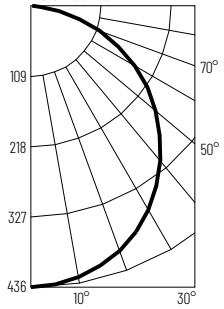
Zone	Lumens	% Luminaire
0-30	331	27.6
0-40	540	45
0-60	949	79.2
0-90	1198	99.9
90-180	0.7	0
0-180	1198	100

Candela Table

Vertical Angles	Candela
0	428
5	425
15	409
25	379
35	335
45	279

Test Information
Test Number: NTR2739
Part Number: NEFLINTW-S6MPW
Beam Spread: 111° Wide Flood
Lumens: 1223lm
Wattage: 13.81W
Efficacy: 89lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.26
Spacing Criteria (90°-270°): 1.26

Polar Curve



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	27.3fc	11'-8"
6'	12.1fc	17'-6"
8'	6.8fc	23'-4"
10'	4.4fc	29'-2"
12'	3fc	35'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	279	22.8
0-40	463	37.9
0-60	942	77
0-90	1223	100
90-180	0	0
0-180	1223	100

Candela Table

Vertical Angles	Candela
0	436
5	433
15	417
25	386
35	341
45	284

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