

# NFLINA

## FLIN Adjustable LED Downlight with Selectable CCT

Source: 10W or 13.5W  
900lm or 1100lm

### PRODUCT DESCRIPTION

FLIN adjustable can-less LED downlights feature two-axis rotation with 25° tilt and 180° rotation. 4" and 6" Can-less downlights are easy to install in 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 E283 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: 5" 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 5/16". New construction frame-ins are available, see accessories.

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

### ELECTRICAL

**Voltage:** 120VAC  
**Lumens / Wattage:** 900lm / 10W or 1100lm / 13.5W  
**Color Temperature:** Selectable CCT (2700K / 3000K / 3500K / 4000K / 5000K)  
**Color Rendering Index:** 90+ CRI  
**Beam Spread:** 114° Wide Flood  
**Operating Temperature:** 0°C to 30°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

**NF-R246:** Universal New Construction Frame-In for 4" & 6"  
**NFC-R430:** New Construction Frame-In with Collar for 4"  
**NFP-R413:** New Construction Plate for NFLINA-R4TWMPW  
**NFP-R613:** New Construction Plate for NFLINA-R6TWMPW

### 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



Type

Project

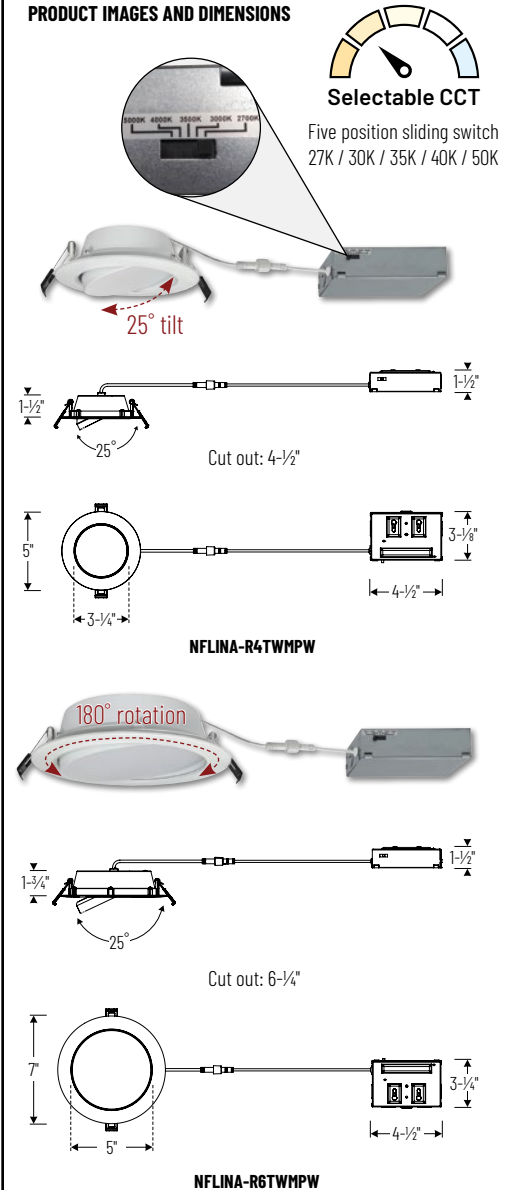
Catalog No.

Notes

### Performance Data

Part Number	4" Lumens	6" Lumens	CCT
NFLINA-RXTWMPW	796lm	1007lm	2700K
NFLINA-RXTWMPW	839lm	1044lm	3000K
NFLINA-RXTWMPW	876lm	1081lm	3500K
NFLINA-RXTWMPW	904lm	1108lm	4000K
NFLINA-RXTWMPW	898lm	1138lm	5000K

### PRODUCT IMAGES AND DIMENSIONS



## FLIN Adjustable LED Downlight with Selectable CCT

### Description

**NFLINA-R4TWMPW** = 4" LED Downlight with Selectable CCT, 900lm / 10W, Matte Powder White Finish  
**NFLINA-R6TWMPW** = 6" LED Downlight with Selectable CCT, 1100lm / 13.5W, Matte Powder White Finish

## Optional Accessories

### Description

**NF-R246** = Universal New Construction Frame-In for 4" & 6"  
**NFC-R430** = New Construction Frame-In with Collar for NFLINA-R4TWMPW  
**NFP-R413** = New Construction Plate for NFLINA-R4TWMPW  
**NFP-R613** = New Construction Plate for NFLINA-R6TWMPW

Example: **NFLINA-R4TWMPW** = 4" FLIN Adjustable LED Downlight, Selectable CCT (2700K / 3000K / 3500K / 4000K / 5000K), Matte Powder White finish, 120V input

# PHOTOMETRICS

## 4" FLIN Adjustable LED Downlight with Selectable CCT

Type

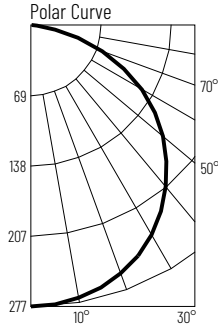
Project

Catalog No.

Notes

### Test Information

Test Number: NTS186R1  
 Part Number: NFLINA-R4TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 796lm  
 Wattage: 10.02W  
 Efficacy: 79lpw  
 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'	17.3fc	11'-11"
6'	7.7fc	17'-11"
8'	4.3fc	23'-10"
10'	2.8fc	29'-10"
12'	1.9fc	35'-10"

### Zonal Lumen Summary

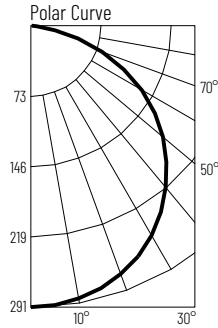
Zone	Lumens	% Luminaire
0-30	214	26.9
0-40	350	44.0
0-60	618	77.7
0-90	796	100
90-180	0	0
0-180	796	100

### Candela Table

Vertical Angles	Candela
0	277
5	275
15	265
25	246
35	217
45	181

### Test Information

Test Number: NTS187R1  
 Part Number: NFLINA-R4TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 839lm  
 Wattage: 9.92W  
 Efficacy: 85lpw  
 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'	18.2fc	11'-11"
6'	8.1fc	17'-11"
8'	4.6fc	24'-11"
10'	2.9fc	29'-10"
12'	2.0fc	35'-10"

### Zonal Lumen Summary

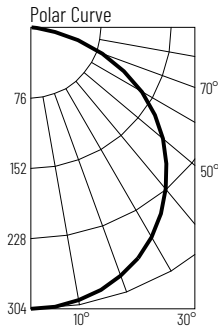
Zone	Lumens	% Luminaire
0-30	226	26.9
0-40	369	44.0
0-60	652	77.7
0-90	839	100
90-180	0	0
0-180	839	100

### Candela Table

Vertical Angles	Candela
0	291
5	290
15	279
25	259
35	229
45	191

### Test Information

Test Number: NTS188R1  
 Part Number: NFLINA-R4TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 876lm  
 Wattage: 9.77W  
 Efficacy: 90lpw  
 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'	19.0fc	11'-11"
6'	8.5fc	17'-11"
8'	4.8fc	23'-11"
10'	3.0fc	29'-10"
12'	2.1fc	35'-10"

### Zonal Lumen Summary

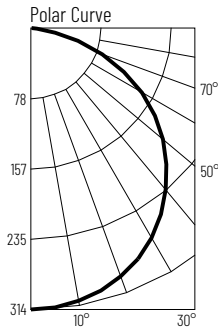
Zone	Lumens	% Luminaire
0-30	236	27.1
0-40	385	44.6
0-60	680	79.6
0-90	876	100
90-180	0	0
0-180	876	100

### Candela Table

Vertical Angles	Candela
0	304
5	303
15	292
25	271
35	239
45	200

### Test Information

Test Number: NTS189R1  
 Part Number: NFLINA-R4TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 904lm  
 Wattage: 9.74W  
 Efficacy: 93lpw  
 CCT / CRI: 4000K / 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'	19.6fc	11'-11"
6'	8.7fc	17'-11"
8'	4.9fc	23'-11"
10'	3.1fc	29'-11"
12'	2.2fc	35'-10"

### Zonal Lumen Summary

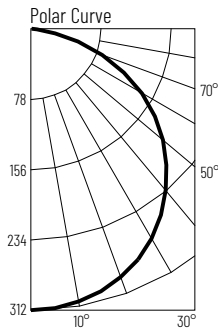
Zone	Lumens	% Luminaire
0-30	243	26.9
0-40	397	44.0
0-60	702	77.7
0-90	904	100
90-180	0	0
0-180	904	100

### Candela Table

Vertical Angles	Candela
0	314
5	312
15	301
25	279
35	246
45	206

### Test Information

Test Number: NTS190R1  
 Part Number: NFLINA-R4TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 898lm  
 Wattage: 10.05W  
 Efficacy: 89lpw  
 CCT / CRI: 5000K / 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'	19.5fc	11'-11"
6'	8.7fc	17'-11"
8'	4.9fc	23'-11"
10'	3.1fc	29'-10"
12'	2.2fc	36'-10"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	242	26.9
0-40	395	44.0
0-60	698	77.7
0-90	899	100
90-180	0	0
0-180	899	100

### Candela Table

Vertical Angles	Candela
0	312
5	311
15	299
25	278
35	245
45	205

# PHOTOMETRICS

## 6" FLIN Adjustable LED Downlight with Selectable CCT

Type

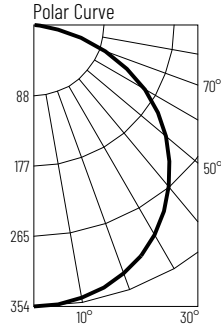
Project

Catalog No.

Notes

### Test Information

Test Number: NTS191R1  
 Part Number: NFLINA-R6TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1007lm  
 Wattage: 12.6W  
 Efficacy: 80lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 1.26  
 Spacing Criteria (90°-270°): 1.24



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	22.1fc	11'-10"
6'	9.8fc	17'-7"
8'	5.5fc	23'-6"
10'	3.5fc	29'-5"
12'	2.5fc	35'-4"

### Zonal Lumen Summary

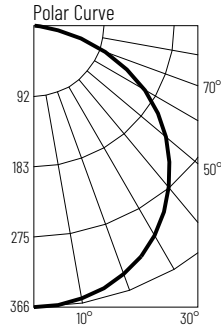
Zone	Lumens	% Luminaire
0-30	273	27.1
0-40	446	44.3
0-60	786	78.0
0-90	1007	100
90-180	0	0
0-180	1007	100

### Candela Table

Vertical Angles	Candela
0	354
5	352
15	339
25	314
35	276
45	230

### Test Information

Test Number: NTS192R1  
 Part Number: NFLINA-R6TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1044lm  
 Wattage: 12.51W  
 Efficacy: 83lpw  
 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'	22.9fc	11'-10"
6'	10.2fc	17'-7"
8'	5.7fc	23'-6"
10'	3.7fc	29'-5"
12'	2.5fc	35'-4"

### Zonal Lumen Summary

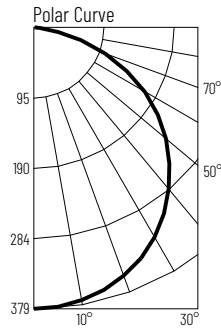
Zone	Lumens	% Luminaire
0-30	283	27.1
0-40	463	44.3
0-60	815	78.0
0-90	1044	100
90-180	0	0
0-180	1044	100

### Candela Table

Vertical Angles	Candela
0	366
5	364
15	351
25	326
35	287
45	239

### Test Information

Test Number: NTS193R1  
 Part Number: NFLINA-R6TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1081lm  
 Wattage: 12.351W  
 Efficacy: 88lpw  
 CCT / CRI: 3500K / 90 CRI  
 Spacing Criteria (0°-180°): 1.26  
 Spacing Criteria (90°-270°): 1.24



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	23.7fc	11'-10"
6'	10.5fc	17'-8"
8'	5.9fc	23'-6"
10'	3.8fc	29'-5"
12'	2.6fc	35'-4"

### Zonal Lumen Summary

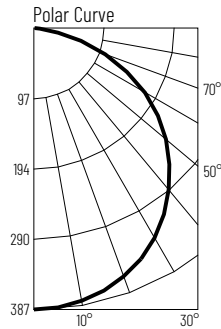
Zone	Lumens	% Luminaire
0-30	293	27.1
0-40	479	44.3
0-60	844	78.0
0-90	1081	100
90-180	0	0
0-180	1081	100

### Candela Table

Vertical Angles	Candela
0	379
5	377
15	364
25	237
35	297
45	247

### Test Information

Test Number: NTS194R1  
 Part Number: NFLINA-R6TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1108lm  
 Wattage: 12.26W  
 Efficacy: 90lpw  
 CCT / CRI: 4000K / 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'	24.2fc	11'-10"
6'	10.8fc	17'-10"
8'	6.5fc	23'-8"
10'	3.9fc	29'-7"
12'	2.7fc	35'-6"

### Zonal Lumen Summary

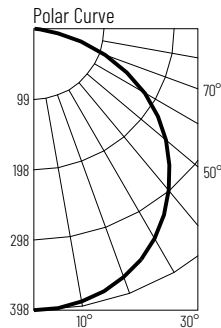
Zone	Lumens	% Luminaire
0-30	300	27.0
0-40	489	44.2
0-60	863	77.9
0-90	1108	100
90-180	0	0
0-180	1108	100

### Candela Table

Vertical Angles	Candela
0	387
5	386
15	372
25	344
35	304
45	254

### Test Information

Test Number: NTS195R1  
 Part Number: NFLINA-R6TWMPW  
 Beam Spread: 112° Wide Flood  
 Lumens: 1138lm  
 Wattage: 12.58W  
 Efficacy: 90lpw  
 CCT / CRI: 5000K / 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'	24.8fc	11'-11"
6'	11.0fc	17'-10"
8'	6.2fc	23'-7"
10'	3.9fc	29'-8"
12'	2.8fc	35'-7"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	308	27.0
0-40	502	44.1
0-60	887	77.9
0-90	1138	100
90-180	0	0
0-180	1138	100

### Candela Table

Vertical Angles	Candela
0	398
5	396
15	381
25	353
35	312
45	260