

NFRC-R4W2TW / NFRC-R6W2TW

4" & 6" Fire Rated Can-less Baffled LED Downlight with Selectable CCT

Two-Hour Fire Listing to UL 263 and ASTM E119

Source: 12W or 15W

1200lm or 1500lm

PRODUCT DESCRIPTION

Fire-rated can-less recessed LED downlights are ETL listed, tested and certified to UL 263 & ASTM E119 for 2-hour fire rating.

Wafer design allows luminaires to be installed in shallow plenums and includes a selectable five color temperature switch.

Multi-piece construction provides an extra layer of protection to prevent the spread of fire above the ceiling within a two-hour rating.

FEATURES

- **ETL Listed and Certified** to UL 263 & ASTM E119 for 2-Hour Fire Rating
- Multi-piece construction provides an extra layer of protection and prevents the spread of fire
- No housing required - IC Air-Tight rated
- Easy installation for remodel or new construction applications
- Quick disconnect for easy installation and wiring
- Delivering up to 1500 lumens
- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- 120V input; Triac or ELV dimming
- 5-year limited warranty
- cETLus Listed for Wet Locations

SPECIFICATION

Construction: Steel construction with powder coated finish. Regressed lens with sharp baffle cuts reduces aperture brightness. Luminaire with spring clips for easy installation. Gasket included for air-tight and wet location listing without additional caulking.

Air Flow Restriction: Luminaire restricts airflow from room into ceiling plenum to <2CFM (cubic feet per minute) in accordance with ASTM 283 airtight requirements.

Clearance: IC rated luminaires are rated for direct contact with insulation (not spray foam insulation), no minimum clearance is required.

Junction Box: Pre-wired junction box includes quick connect to LED fixtures for ease of installation. Junction box includes two 1/2" trade size knockouts and snap on cover with 6" quick connect wire. Luminaire includes 10" quick connect wire. Maximum of 4 No. 12 AWG through branch circuit conductor suitable for 75°C permitted in box.

Mounting: No housing is required, two tensions steel spring clips secure luminaire to ceiling. Accommodates ceiling thicknesses from 1/2" to 1-1/2". Listed for use in two hour fire-rated ceilings.

ELECTRICAL

Input Voltage: 120VAC

Lumens / Wattage: 1200lm / 12W or 1500lm / 15W

Color Temperature: Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K (Note: Preset to 3000K)

Color Rendering Index: 90+ CRI

Beam Spread: 112° Wide Flood

Operating Temperature: 0-25°C

Dimming: Dimmable down to 10% with phase (Triac or ELV dimmer)

[Click Here](#) or check complete dimmer list at www.Nora-Lighting.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"

NFRC-EW-4: 4' Extension Cable

NFRC-EW-20: 20' Extension Cable

NEPK-23LEDUNV: 23W Emergency LED Driver with Remote Test Switch

LABELS AND LISTINGS

- cETLus Listed to UL 1598, CAN/CSA C22.2, & Wet Locations
- [cETLus Listed and Certified for 2-Hour Fire Rating to UL 263, ASTM E119, & CAN/ULC S101](#)
- [5-Year Limited Warranty](#)
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Type

Project

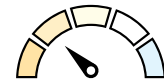
Catalog No.

Notes

Performance Data

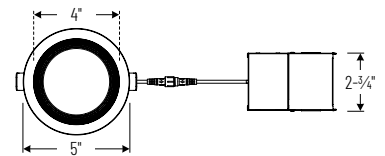
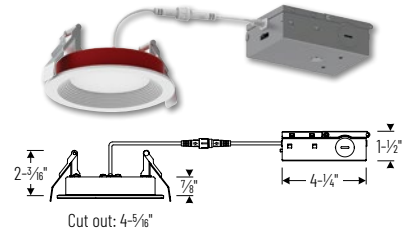
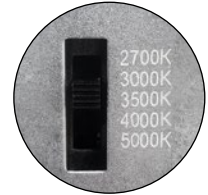
Part Number	4" Lumens	6" Lumens	CCT
NFRC-RXW2TW	1132lm	1376lm	2700K
NFRC-RXW2TW	1169lm	1409lm	3000K
NFRC-RXW2TW	1213lm	1461lm	3500K
NFRC-RXW2TW	1232lm	1500lm	4000K
NFRC-RXW2TW	1219lm	1496lm	5000K

PRODUCT IMAGES AND DIMENSIONS



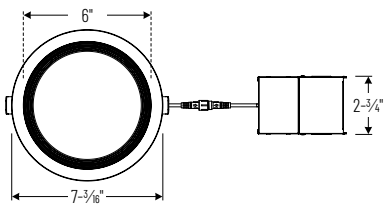
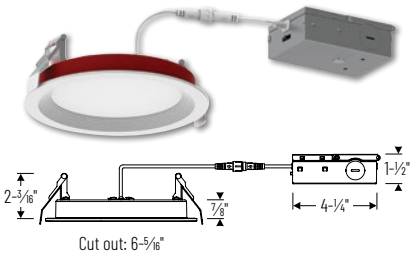
Selectable CCT

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



NFRC-R4W2TWMPW

4" Fire Rated Can-less Baffled Downlight



NFRC-R6W2TWMPW

6" Fire Rated Can-less Baffled Downlight

4" & 6" Fire Rated Can-less Baffled LED Downlight with Selectable CCT

Description

NFRC-R4W2TWMPW = 4" Baffled LED Downlight with Selectable CCT, 1200lm / 12W, Matte Powder White Finish

NFRC-R6W2TWMPW = 6" Baffled LED Downlight with Selectable CCT, 1450lm / 15W, 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 4" only

NFRC-EW-4 = 4' Extension Cable

NFRC-EW-20 = 20' Extension Cable

NEPK-23LEDUNV = 23W Emergency LED Driver w/ Remote Test Switch

Example: **NFRC-R6W2TWMPW** = 6" Fire Rated Can-less Baffled LED Downlight with Selectable CCT, 1450lm / 15W, Matte Powder White Finish

PHOTOMETRICS

4" Fire Rated Can-less Baffled LED Downlight with Selectable CCT

Type

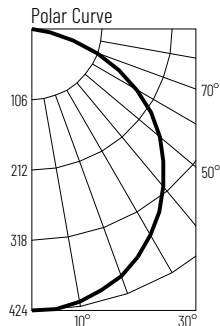
Project

Catalog No.

Notes

Test Information

Test Number: NTRA2686R2
Part Number: NFRC-R4W2TWMPW
Beam Spread: 109° Wide Flood
Lumens: 1132lm
Wattage: 11.84W
Efficacy: 96lpw
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'	26.5fc	11"-5"
6'	11.8fc	17"
8'	6.6fc	22"-8"
10'	4.2fc	28"-5"
12'	3fc	34"-1"

Zonal Lumen Summary

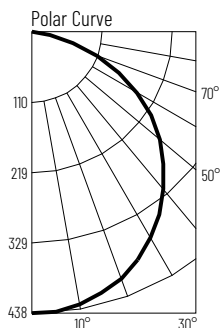
Zone	Lumens	% Luminaire
0-30	271	24
0-40	450	39.8
0-60	910	80.4
0-90	1132	100
90-180	0	0
0-180	1132	100

Candela Table

Vertical Angles	Candela
0	424
5	423
15	407
25	377
35	332
45	276

Test Information

Test Number: NTRA2687R2
Part Number: NFRC-R4W2TWMPW
Beam Spread: 109° Wide Flood
Lumens: 1169lm
Wattage: 11.84W
Efficacy: 99lpw
CCT / CRI: 3000K / 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'	27.4fc	11"-5"
6'	12.2fc	17"
8'	6.9fc	22"-8"
10'	4.4fc	28"-5"
12'	3fc	34"-1"

Zonal Lumen Summary

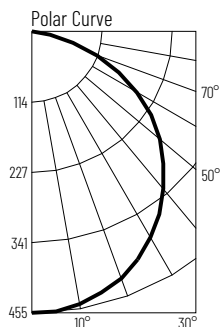
Zone	Lumens	% Luminaire
0-30	280	24
0-40	465	39.8
0-60	940	80.4
0-90	1169	100
90-180	0	0
0-180	1169	100

Candela Table

Vertical Angles	Candela
0	438
5	437
15	420
25	389
35	343
45	285

Test Information

Test Number: NTRA2688R2
Part Number: NFRC-R4W2TWMPW
Beam Spread: 109° Wide Flood
Lumens: 1213lm
Wattage: 11.84W
Efficacy: 102lpw
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'	28.4fc	11"-5"
6'	12.6fc	17"
8'	7.1fc	22"-8"
10'	4.6fc	28"-5"
12'	3.2fc	34"-1"

Zonal Lumen Summary

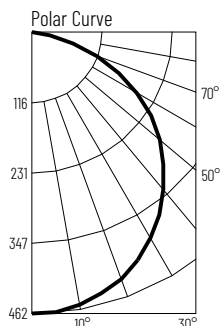
Zone	Lumens	% Luminaire
0-30	291	24
0-40	483	39.8
0-60	975	80.4
0-90	1213	100
90-180	0	0
0-180	1213	100

Candela Table

Vertical Angles	Candela
0	455
5	453
15	436
25	403
35	356
45	296

Test Information

Test Number: NTRA2689R2
Part Number: NFRC-R4W2TWMPW
Beam Spread: 109° Wide Flood
Lumens: 1232lm
Wattage: 11.84W
Efficacy: 104lpw
CCT / CRI: 4000K / 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'	28.9fc	11"-5"
6'	12.8fc	17"
8'	7.2fc	22"-8"
10'	4.6fc	28"-5"
12'	3.2fc	34"-1"

Zonal Lumen Summary

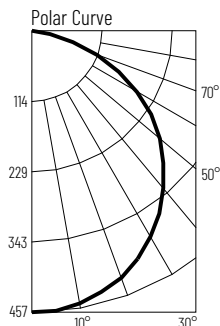
Zone	Lumens	% Luminaire
0-30	295	24
0-40	490	39.8
0-60	990	80.4
0-90	1232	100
90-180	0	0
0-180	1232	100

Candela Table

Vertical Angles	Candela
0	462
5	460
15	443
25	410
35	362
45	301

Test Information

Test Number: NTRA2690R2
Part Number: NFRC-R4W2TWMPW
Beam Spread: 109° Wide Flood
Lumens: 1219lm
Wattage: 11.84W
Efficacy: 103lpw
CCT / CRI: 5000K / 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'	28.6fc	11"-5"
6'	12.7fc	17"
8'	7.1fc	22"-8"
10'	4.6fc	28"-5"
12'	3.2fc	34"-1"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	292	24
0-40	485	39.8
0-60	980	80.4
0-90	1219	100
90-180	0	0
0-180	1219	100

Candela Table

Vertical Angles	Candela
0	457
5	455
15	438
25	405
35	358
45	298

PHOTOMETRICS

6" Fire Rated Can-less Baffled LED Downlight with Selectable CCT

Type

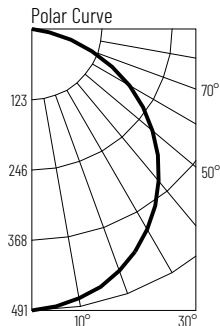
Project

Catalog No.

Notes

Test Information

Test Number: NTRA2691R2
Part Number: NFRC-R6W2TWMPW
Beam Spread: 112° Wide Flood
Lumens: 1376lm
Wattage: 14.23W
Efficacy: 97lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.3



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	30.7fc	11'-11"
6'	13.6fc	17'-10"
8'	7.7fc	23'-10"
10'	4.9fc	29'-8"
12'	3.4fc	35'-7"

Zonal Lumen Summary

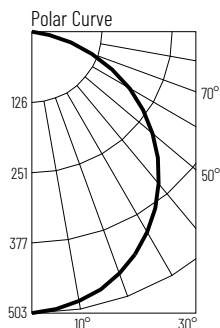
Zone	Lumens	% Luminaire
0-30	315	22.9
0-40	525	38.1
0-60	1071	77.8
0-90	1376	100
90-180	0	0
0-180	1376	100

Candela Table

Vertical Angles	Candela
0	491
5	489
15	472
25	440
35	390
45	327

Test Information

Test Number: NTRA2692R2
Part Number: NFRC-R6W2TWMPW
Beam Spread: 112° Wide Flood
Lumens: 1409lm
Wattage: 14.23W
Efficacy: 99lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.3



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	31.4fc	11'-11"
6'	14fc	17'-10"
8'	7.9fc	23'-10"
10'	5fc	29'-8"
12'	3.5fc	35'-7"

Zonal Lumen Summary

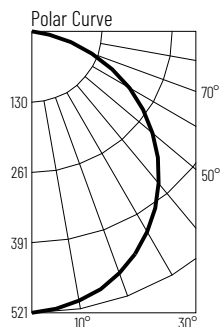
Zone	Lumens	% Luminaire
0-30	323	22.9
0-40	537	38.1
0-60	1097	77.8
0-90	1409	100
90-180	0	0
0-180	1409	100

Candela Table

Vertical Angles	Candela
0	503
5	501
15	484
25	450
35	400
45	335

Test Information

Test Number: NTRA2693R2
Part Number: NFRC-R6W2TWMPW
Beam Spread: 112° Wide Flood
Lumens: 1461lm
Wattage: 14.23W
Efficacy: 103lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.3



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	32.6fc	11'-11"
6'	14.5fc	17'-10"
8'	8.2fc	23'-10"
10'	5.2fc	29'-8"
12'	3.6fc	35'-6"

Zonal Lumen Summary

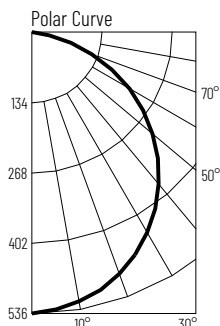
Zone	Lumens	% Luminaire
0-30	335	22.9
0-40	557	38.1
0-60	1137	77.8
0-90	1461	100
90-180	0	0
0-180	1461	100

Candela Table

Vertical Angles	Candela
0	521
5	519
15	502
25	467
35	414
45	348

Test Information

Test Number: NTRA2694R3
Part Number: NFRC-R6W2TWMPW
Beam Spread: 112° Wide Flood
Lumens: 1501lm
Wattage: 14.23W
Efficacy: 106lpw
CCT / CRI: 4000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.3



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	33.5fc	11'-10"
6'	14.9fc	17'-10"
8'	8.4fc	23'-10"
10'	5.4fc	29'-8"
12'	3.7fc	35'-7"

Zonal Lumen Summary

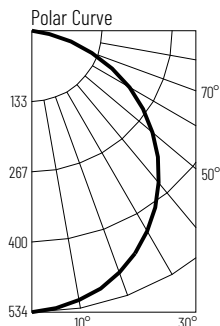
Zone	Lumens	% Luminaire
0-30	344	22.9
0-40	572	38.1
0-60	1168	77.8
0-90	1501	100
90-180	0	0
0-180	1501	100

Candela Table

Vertical Angles	Candela
0	536
5	534
15	515
25	480
35	426
45	357

Test Information

Test Number: NTRA2695R2
Part Number: NFRC-R6W2TWMPW
Beam Spread: 112° Wide Flood
Lumens: 1496lm
Wattage: 14.23W
Efficacy: 105lpw
CCT / CRI: 5000K / 90 CRI
Spacing Criteria (0°-180°): 1.28
Spacing Criteria (90°-270°): 1.3



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	33.4fc	11'-11"
6'	14.8fc	17'-10"
8'	8.3fc	23'-10"
10'	5.3fc	29'-8"
12'	3.7fc	35'-7"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	343	22.9
0-40	570	38.1
0-60	1165	77.8
0-90	1496	100
90-180	0	0
0-180	1496	100

Candela Table

Vertical Angles	Candela
0	534
5	532
15	525
25	478
35	424
45	356