

NEFLINTW

E-Series FLIN Tunable White Recessed LED

Source: 10.5W or 13.5W
600lm or 800lm

PRODUCT DESCRIPTION

The E-Series FLIN is a thin recessed LED designed for easy installation into new construction or remodel applications. Tunable white luminaires include an integral tunable CCT 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
- 4' delivers over 600 lumens / 6" delivers over 800 lumens
- Field Selectable CCT (2700K, 3000K or 3500K @ 90+ CRI)
- 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" and two 1/4" knockouts and snap on cover with 9-1/2" connector length (Connectors total length is 17.5"). Through branch circuit wiring, (2-in, 2-out).

Mounting: No housing is required, two tensions steel spring clips secure luminaires to the ceiling. Luminaires accept ceiling thicknesses from 3/8" 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: **R460** = 600lm / 10.5W; **R680** = 800lm / 13.5W
Color Temperature: 2700K, 3000K or 3500K (each luminaire includes a CCT switch - preset at 2700K)
CRI: 90+ CRI
Beam Spread: 112° Wide Flood
Operating Temp.: 0°C to 40°C ambient temperature
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

NEFLINTW-4OR-MPW: Oversize Ring for 4"
NEFLINTW-6OR-MPW: Oversize Ring for 6"
NEFLINTW-4R-F: New Construction Frame-In for 4"
NEFLINTW-6R-F: New Construction Frame-In for 6"
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



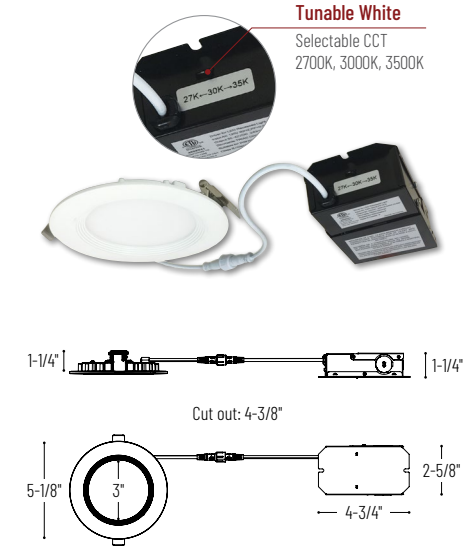
Type

Project

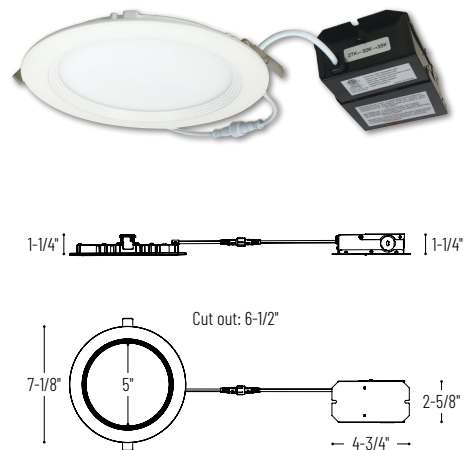
Catalog No.

Notes

PRODUCT IMAGES AND DIMENSIONS



NEFLINTW-R460233MPW
4" E-Series FLIN Tunable White Recessed LED



NEFLINTW-R680233MPW
6" E-Series FLIN Tunable White Recessed LED

E-Series FLIN Tunable White Recessed LED Series

Size / Lumens / Wattage	CCT	Finish	Input Voltage
NEFLINTW-R460 = 4" Round / 600lm / 10.5W	233 = 2700K, 3000K, 3500K	MPW = White	(blank) = 120V
NEFLINTW-R680 = 6" Round / 800lm / 13.5W			LE4 = 120-277V

Optional Accessories

Description
NEFLINTW-4OR-MPW = Oversize Ring for 4"
NEFLINTW-6OR-MPW = Oversize Ring for 6"
NEFLINTW-4R-F = New Construction Frame-In for 4"
NEFLINTW-6R-F = New Construction Frame-In for 6"
NEFLINTW-EW-4 = 4' Quick Connect Extension Cable
NEFLINTW-EW-20 = 20' Quick Connect Extension Cable

Example: **NEFLINTW-R680233MPW** = 6" E-Series FLIN, 800lm / 13.5W, Tunable CCT (2700K, 3000K or 3500K), Matte Powder White finish, 120V input

NEFLINTW

E-Series FLIN Tunable White Recessed LED Accessories

Type

Project

Catalog No.

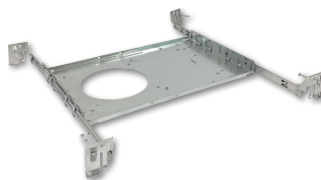
Notes



Oversize Ring for 4"

NEFLINTW-4OR-MPW

Oversize ring covers ceiling cut-outs up to 5-1/4"



New Construction Frame-In for 4"

NEFLINTW-4R-F

For new construction pre-wiring and easier layout planning.



Quick Connect Extension Cables

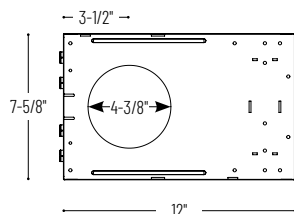
NEFLINTW-EW-4

4'

NEFLINTW-EW-20

20'

Used to extend the length between luminaire and pre-wired junction box.



Oversize Ring for 6"

NEFLINTW-6OR-MPW

Oversize ring covers ceiling cut-outs up to 7-1/4"



New Construction Frame-In for 6"

NEFLINTW-6R-F

For new construction pre-wiring and easier layout planning.



Quick Connect Extension Cables

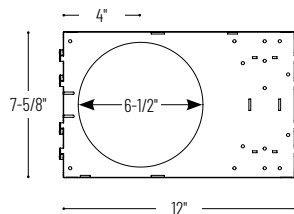
NEFLINTW-EW-4

4'

NEFLINTW-EW-20

20'

Used to extend the length between luminaire and pre-wired junction box.



Photometrics

4" E-Series FLIN Tunable White Recessed LED

Source: 10.5W

600lm

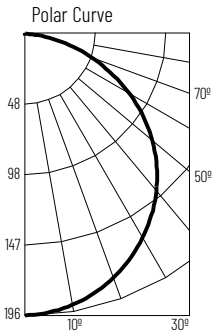
Type

Project

Catalog No.

Notes

Test Information
Test Number: NTR1154
Part Number: NEFLINTW-R460233MPW
Beam Spread: 112° Wide Flood
Lumens: 554lm
Wattage: 9.46W
Efficacy: 59lpw
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'	12.2fc	11'-11"
6'	5.4fc	17'-10"
8'	3.1fc	23'-10"
10'	2fc	29'-8"
12'	1.4fc	35'-8"

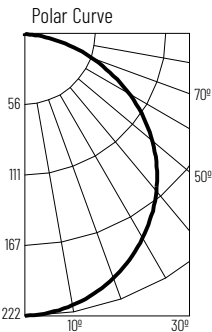
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	151	27.2
0-40	247	44.6
0-60	437	79
0-90	552	99.6
90-180	2	0.4
0-180	554	100

Candela Table

Vertical Angles	Candela
0	195
5	194
15	186
25	173
35	154
45	130

Test Information
Test Number: NTR1155
Part Number: NEFLINTW-R460233MPW
Beam Spread: 112° Wide Flood
Lumens: 631lm
Wattage: 9.33W
Efficacy: 68lpw
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'	13.9fc	11'-11"
6'	6.2fc	17'-11"
8'	3.5fc	23'-11"
10'	2.2fc	29'-10"
12'	1.5fc	35'-10"

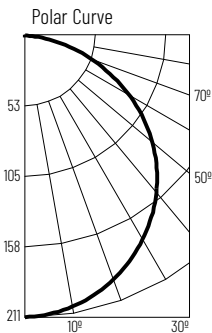
Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	237	28.2
0-40	387	46
0-60	676	80.3
0-90	842	100
90-180	0	0
0-180	842	100

Candela Table

Vertical Angles	Candela
0	222
5	221
15	213
25	197
35	174
45	148

Test Information
Test Number: NTR1156
Part Number: NEFLINTW-R460233MPW
Beam Spread: 112° Wide Flood
Lumens: 599lm
Wattage: 9.46W
Efficacy: 63lpw
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'	13.2fc	11'-11"
6'	5.9fc	17'-11"
8'	3.3fc	23'-10"
10'	2.1fc	29'-10"
12'	1.5fc	35'-8"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	163	27.2
0-40	267	44.5
0-60	472	78.9
0-90	596	99.5
90-180	3	0.5
0-180	599	100

Candela Table

Vertical Angles	Candela
0	211
5	210
15	202
25	186
35	165
45	140

Photometrics

6" E-Series FLIN Tunable White Recessed LED

Source: 13.5W
800lm

Type

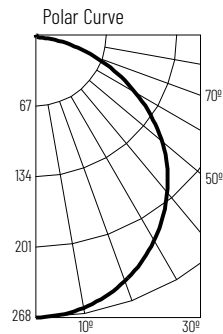
Project

Catalog No.

Notes

Test Information

Test Number: NTR1157
Part Number: NEFLINTW-R68033MPW
Beam Spread: 111° Wide Flood
Lumens: 763lm
Wattage: 11.65W
Efficacy: 65lpw
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'	16.8fc	11'-10"
6'	7.5fc	17'-8"
8'	4.2fc	23'-7"
10'	2.7fc	29'-5"
12'	1.9fc	35'-4"

Zonal Lumen Summary

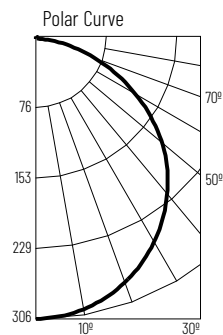
Zone	Lumens	% Luminaire
0-30	208	27.2
0-40	340	44.6
0-60	601	78.7
0-90	756	99.1
90-180	7	0.9
0-180	763	100

Candela Table

Vertical Angles	Candela
0	268
5	267
15	258
25	238
35	211
45	179

Test Information

Test Number: NTR1158
Part Number: NEFLINTW-R68033MPW
Beam Spread: 111° Wide Flood
Lumens: 870lm
Wattage: 11.35W
Efficacy: 77lpw
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'	19.1fc	11'-8"
6'	8.5fc	17'-7"
8'	4.8fc	23'-6"
10'	3.1fc	29'-4"
12'	2.1fc	35'-2"

Zonal Lumen Summary

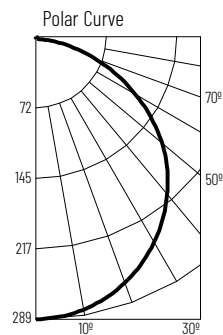
Zone	Lumens	% Luminaire
0-30	237	27.2
0-40	388	44.6
0-60	685	78.7
0-90	862	99.1
90-180	8	1
0-180	870	100

Candela Table

Vertical Angles	Candela
0	306
5	304
15	293
25	271
35	240
45	203

Test Information

Test Number: NTR1159
Part Number: NEFLINTW-R68033MPW
Beam Spread: 111° Wide Flood
Lumens: 822lm
Wattage: 11.39W
Efficacy: 72lpw
CCT / CRI: 3500K / 90 CRI
Spacing Criteria (0°-180): 1.26
Spacing Criteria (90°-270): 1.28



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	18.1fc	11'-8"
6'	8fc	17'-7"
8'	4.5fc	23'-5"
10'	2.9fc	29'-4"
12'	2fc	35'-2"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	224	27.2
0-40	367	44.6
0-60	647	78.7
0-90	815	99.1
90-180	8	0.9
0-180	822	100

Candela Table

Vertical Angles	Candela
0	289
5	288
15	276
25	255
35	227
45	192