

NM4-R470

4" M4 Round LED Recessed Elbow

Source: 12W LED
950lm

PRODUCT DESCRIPTION

4" M4 Round LED Elbow downlight features an adjustable head that extends 75° and rotates 300° for precise aiming. Quality and convenience with easy installation for insulated or non-insulated applications. Luminaires can be configured into square trim with accessory.

FEATURES

- No housing required - IC Air-Tight rated
- Field changeable optics included
- Easy installation for remodel or new construction applications
- Square trim available for an alternative appearance
- Quick disconnect allows for extended lengths
- 2700K or 3000K @ 90+ CRI
- Triac or ELV dimming
- 5-year limited warranty
- ENERGY STAR certified
- cETLus Listed for Damp Locations

SPECIFICATION

Construction: Die-cast aluminum trims available in matte black or matte powder white finish. Rotates 300° horizontally and extends up to 75°. Optional field changeable square trim is available.

Optics: Each downlight includes field changeable optics (24° spot and 40° narrow flood - preinstalled).

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.

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

Junction Box: Prewired junction box includes quick connect to LED fixtures for ease of installation. Junction box includes four 1/2" trade size knockouts and snap on cover with 7" quick connect wire. Luminaire includes 6" quick connect wire.

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 luminaire to ceiling. Accommodates ceiling thickness up to 3/4". New construction frame-in available, see mounting accessories.

ELECTRICAL

Input Voltage: 120V
Lumens / Wattage: 950lm / 12W
Color Temperature: 2700K or 3000K
Color Rendering Index: 90+ CRI
Beam Spread: 24° Spot and 40° Narrow Flood (included)
Operating Temp.: 0°C to 25°C ambient temperature
Lifetime: 50,000 hours @ L70
Dimming: Dimmable down to 10% with Triac or ELV
[Click Here](#) or check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

OPTIONAL TRIM ACCESSORIES

NM4-SET: Square Trim for NM4-R470, Black or White

OPTIONAL MOUNTING ACCESSORIES

NF-R246: Universal New Construction Frame-In
NFC-R430: New Construction Frame-In with Collar
NM2-EW-4: 4' Quick Connect Linkable Extension Cable
NM2-EW-10: 10' Quick Connect Linkable Extension Cable

LABELS AND LISTINGS

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



Type

Project

Catalog No.

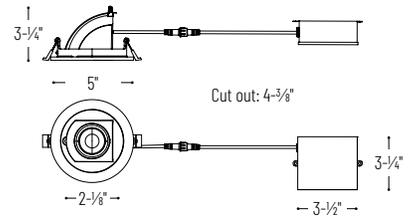
Notes

Performance Data

Part Number	Lumens	CCT
NM4-R47027BB	887lm	2700K
NM4-R47027MPW	942lm	2700K
NM4-R47030BB	932lm	3000K
NM4-R47030MPW	970lm	3000K

Delivered lumens will vary depending on optic

PRODUCT IMAGES AND DIMENSIONS



NM4-SET
Square Trim

4" M4 Round LED Recessed Elbow

Trim Type	Color Temperature	Finish
NM4-R470 = 4" Round Elbow	27 = 2700K	BB = Matte Black
	30 = 3000K	MPW = Matte Powder White

NM4-R470 Trim Accessories

Accessory Type	Finish
NM4-SET = Square Trim for NM4-R470	B = Matte Black
	MPW = Matte Powder White

Optional Mounting Accessories

Accessory Type
NF-R246 = Universal New Construction Frame-In
NFC-R430 = New Construction Frame-In with Collar
NM2-EW-4 = 4' Quick Connect Extension Cable
NM2-EW-10 = 10' Quick Connect Extension Cable

Example: **NM4-R47030MPW** = 4" M4 Round LED Recessed Elbow, 950lm / 12W, 3000K, Matte Powder White

NM4-R470

4" M4 Round LED Recessed Elbow Accessories

Type	_____
Project	_____
Catalog No.	_____
Notes	_____



Square Trim for NM4-R470

NM4-SETB Matte Black
NM4-SETPW Matte Powder White
Converts the round trim included with NM4-R470 elbow into a square trim



New Construction Frame-In

NF-R375
For new construction pre-wiring and easier layout planning.



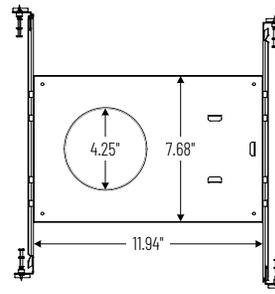
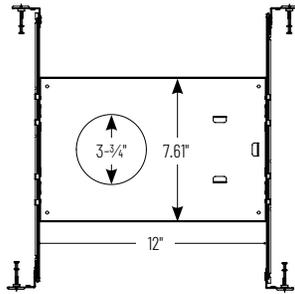
New Construction Frame-In with Collar

NFC-R430
New construction frame-in can be used to assist installing can-less recessed downlighting.



Quick Connect Extension Linkable Cables

NM2-EW-4 4' Cable
NM2-EW-10 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.



PHOTOMETRICS

NM4-R470

4" M4 Round LED Recessed Elbow

Type

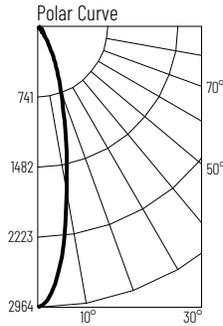
Project

Catalog No.

Notes

Test Information

Test Number: NTR1871R1
 Part Number: NM4-R47027MPW
 Beam Spread: 24° Spot
 Lumens: 935lm
 Wattage: 11.74W
 Efficacy: 80lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180°): 0.42
 Spacing Criteria (90°-270°): 0.42



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	185fc	1'-8"
6'	82.2fc	2'-7"
8'	46.2fc	3'-6"
10'	29.6fc	4'-4"
12'	20.5fc	5'-2"

Zonal Lumen Summary

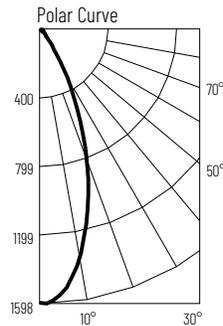
Zone	Lumens	% Luminaire
0-30	721	77
0-40	807	86.2
0-60	899	96.1
0-90	935	100
90-180	0	0
0-180	935	100

Candela Table

Vertical Angles	Candela
0	2958
5	2607
15	1124
25	398
35	128
45	67

Test Information

Test Number: NTR1872R1
 Part Number: NM4-R47027MPW
 Beam Spread: 40° Narrow Flood
 Lumens: 942lm
 Wattage: 11.74W
 Efficacy: 80lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180°): 0.66
 Spacing Criteria (90°-270°): 0.66



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	99.7fc	3'
6'	44.3fc	4'-5"
8'	24.9fc	5'-11"
10'	15.9fc	7'-5"
12'	11.1fc	8'-11"

Zonal Lumen Summary

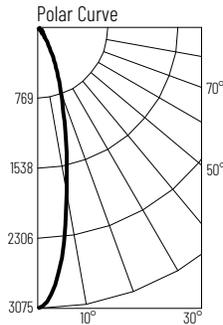
Zone	Lumens	% Luminaire
0-30	697	74
0-40	819	86.9
0-60	912	96.7
0-90	942	100
90-180	0	0
0-180	942	100

Candela Table

Vertical Angles	Candela
0	1595
5	1516
15	1076
25	568
35	200
45	66

Test Information

Test Number: NTR1875R1
 Part Number: NM4-R47030MPW
 Beam Spread: 24° Spot
 Lumens: 958lm
 Wattage: 11.51W
 Efficacy: 83lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.42
 Spacing Criteria (90°-270°): 0.42



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	192fc	1'-8"
6'	85.3fc	2'-7"
8'	48fc	3'-5"
10'	30.7fc	4'-4"
12'	21.3fc	5'-2"

Zonal Lumen Summary

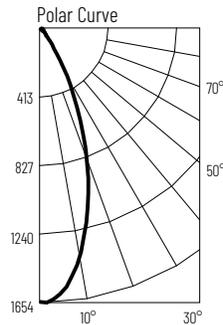
Zone	Lumens	% Luminaire
0-30	733	76.6
0-40	823	85.9
0-60	920	96.1
0-90	958	100
90-180	0	0
0-180	958	100

Candela Table

Vertical Angles	Candela
0	3072
5	2688
15	1183
25	449
35	149
45	73

Test Information

Test Number: NTR1876R1
 Part Number: NM4-R47030MPW
 Beam Spread: 40° Narrow Flood
 Lumens: 970lm
 Wattage: 11.56W
 Efficacy: 84lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.66
 Spacing Criteria (90°-270°): 0.66



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	103fc	2'-11"
6'	45.9fc	4'-5"
8'	25.8fc	5'-11"
10'	16.5fc	7'-4"
12'	11.5fc	8'-10"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	716	73.8
0-40	841	86.7
0-60	939	96.8
0-90	970	100
90-180	0	0
0-180	970	100

Candela Table

Vertical Angles	Candela
0	1651
5	1594
15	1120
25	559
35	176
45	56

Finish Multiplier

Finish: Black (x0.95), Matte Powder White (x1.0)