

NM2-2R

Mini 2" Recessed Downlight Series

Source: 6W to 8W LED

400lm to 600lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

M2 downlight series features quality and convenience with easy installation for insulated or non-insulated applications. Luminaires are available with an adjustable gimbal or fixed downlight, and produces up to 600 lumens.

FEATURES

- No housing required - IC Air-Tight rated
- Easy installation for remodel or new construction applications
- Quick disconnect allows for extended lengths
- 400lm or 600lm LED packages
- 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 black or matte powder white finish. Gimbal trim is adjustable up to 15°. Open downlight includes a reflector with the same finish as trim, optional black or haze reflector is available and field changeable.

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 two knockouts and snap on cover with 7" connector length.

Mounting: No housing is required, two tensions steel spring clips secure luminaire to ceiling. New construction frame-in kit is available, see accessories.

ELECTRICAL

Input Voltage: 120V

Lumens / Wattage: 40 = 400lm / 6W; 60 = 600lm / 8W

Color Temperature: 2700K or 3000K

CRI: 90+CRI

Dimming: Triac or ELV

Check complete dimmer list at www.NoraLighting.com in the "Compatibility" page under "Resources" tab

ACCESSORIES

NM2-2R-F: New Construction Frame-In Kit

NM2-2REFLB: Black Reflector for NM2-2RDC

NM2-2REFLHZ: Haze Reflector for NM2-2RDC

NM2-EW-4: 4' Quick Connect Linkable Extension Cable

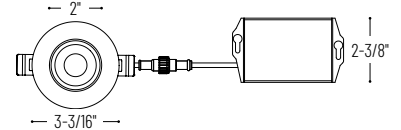
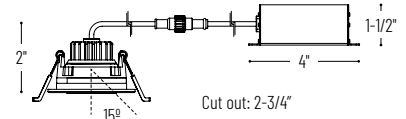
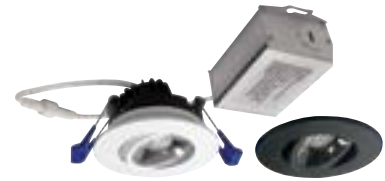
NM2-EW-10: 10' Quick Connect Linkable Extension Cable

LABELS AND LISTINGS

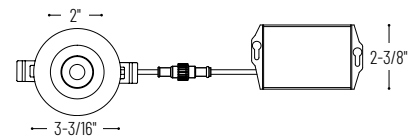
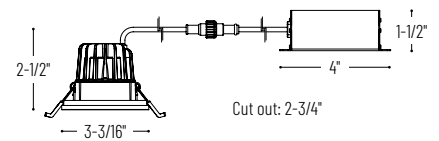
- cETLus Listed for Damp Locations
- ENERGY STAR certified
- 5-Year Limited Warranty
- FCC compliant
- Can be used to comply with 2016 Title 24 - part 6 High Efficacy LED light source requirements



PRODUCT IMAGES AND DIMENSIONS



NM2-R6
2" Adjustable Gimbal



NM2-RDC
2" Downlight

Mini 2" Recessed Downlight Series

Trim Type	Lumens / Wattage	Color Temperature / CRI	Finish
NM2-2RG = 2" Gimbal	40 = 400lm / 6W	27 = 2700K / 90 CRI	BB = Matte Black
NM2-2RDC = 2" Downlight	60 = 600lm / 8W	30 = 3000K / 90 CRI	MPW = Matte Powder White

Optional Accessories

Description

NM2-2R-F = New Construction Frame-In

NM2-2REFLB = Black Reflector for NM2-2RDC

NM2-2REFLHZ = Haze Reflector for NM2-2RDC

NM2-2R-F = New Construction Frame-In

NM2-EW-4 = 4' Quick Connect Extension Cable

NM2-EW-10 = 10' Quick Connect Extension Cable

Example: **NM2-2RDC6030MPW** = Mini 2" Downlight, 600lm / 8W, 3000K / 90 CRI, Matte Powder White

NM2-2R

Mini 2" Recessed Downlight Accessories

Type _____

Project _____

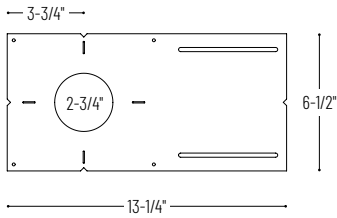
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New Construction Frame-In Kit

NM2-2R-F
For new construction pre-wiring and easier layout planning.



Replacement Reflector for NM2-2RDC

NM2-REFLB Black
NM2-REFLHZ Haze
 Replaces the reflector included with NM2-2RDC downlight



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'.

PHOTOMETRICS

Mini 2" Recessed Downlight Series

Type

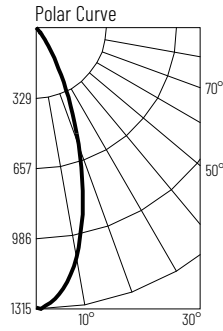
Project

Catalog No.

Notes

Test Information

Test Number: NTR11351
 Part Number: NM2-2RDC6027MPW
 Lumens: 594lm
 Wattage: 7.8W
 Efficacy: 76lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180): 0.62
 Spacing Criteria (90°-270): 0.6



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	327fc	1'-4"
4'	81.9fc	2'-8"
6'	36.4fc	4'
8'	20.5fc	5'-5"
10'	13.1fc	6'-8"

Zonal Lumen Summary

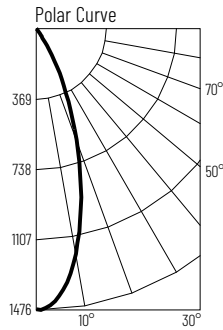
Zone	Lumens	% Luminaire
0-30	505	85
0-40	557	93.7
0-60	582	97.9
0-90	593	99.8
90-180	1	0.2
0-180	594	100

Candela Table

Vertical Angles	Candela
0	1310
5	1251
15	847
25	359
35	85
45	19

Test Information

Test Number: NTR11351
 Part Number: NM2-2RDC6030MPW
 Lumens: 641lm
 Wattage: 8.1W
 Efficacy: 79lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.6
 Spacing Criteria (90°-270): 0.6



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	368fc	1'-4"
4'	92.1fc	2'-7"
6'	40.9fc	3'-11"
8'	23fc	5'-2"
10'	14.7fc	6'-6"

Zonal Lumen Summary

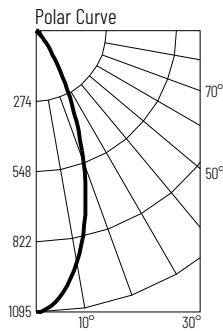
Zone	Lumens	% Luminaire
0-30	547	85.4
0-40	597	93.2
0-60	626	97.8
0-90	639	99.8
90-180	1	0.2
0-180	641	100

Candela Table

Vertical Angles	Candela
0	1473
5	1403
15	909
25	372
35	67
45	21

Test Information

Test Number: NTR11354
 Part Number: NM2-2RG6027MPW
 Lumens: 598lm
 Wattage: 7.7W
 Efficacy: 77lpw
 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
2'	274fc	1'-5"
4'	68.5fc	2'-11"
6'	30.4fc	4'-4"
8'	17.1fc	5'-10"
10'	11fc	7'-2"

Zonal Lumen Summary

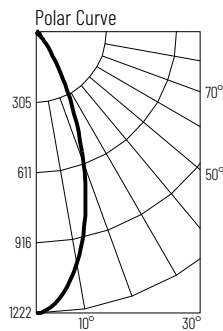
Zone	Lumens	% Luminaire
0-30	465	77.8
0-40	541	90.5
0-60	580	97
0-90	595	99.5
90-180	3	0.5
0-180	598	100

Candela Table

Vertical Angles	Candela
0	1095
5	1046
15	745
25	360
35	117
45	31

Test Information

Test Number: NTR11355
 Part Number: NM2-2RG6030MPW
 Lumens: 658lm
 Wattage: 7.9W
 Efficacy: 83lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180): 0.64
 Spacing Criteria (90°-270): 0.64



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	305fc	1'-5"
4'	76.4fc	2'-11"
6'	33.9fc	4'-4"
8'	19.1fc	5'-10"
10'	12.2fc	7'-2"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	514	78
0-40	596	90.5
0-60	639	97.1
0-90	655	99.5
90-180	3	0.5
0-180	658	100

Candela Table

Vertical Angles	Candela
0	1222
5	1665
15	828
25	393
35	127
45	35

Lumen Output Multipliers

Lumen Package: 400lm (0.77), 600lm (1.00)