

NM2-2RDCS

2" M2 Round Can-less LED Recessed Lensed Downlight

Source: 6W to 10W LED
400lm to 850lm

PRODUCT DESCRIPTION

M2 downlight series features quality and convenience with easy installation for insulated or non-insulated applications.

FEATURES

- No housing required - IC Airtight rated
- Easy installation for remodel or new construction applications
- Quick disconnect allows for extended lengths
- 400lm, 600lm or 850lm LED packages
- 2700K, 3000K or 4000K @ 90+ CRI
- Triac or ELV dimming
- 5-year limited warranty
- cETLus Listed for Wet Locations

SPECIFICATION

Construction: Die-cast aluminum trims with a powder-coated finish. A frosted lens is included permanently installed on trim.

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 airtight 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 (400lm/600lm) or four (850lm) 1/2" trade size knockouts and snap on cover with 7" quick connect wire. Luminaire includes 5" (400lm/600lm) or 4" (850lm) 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 kits are available, see accessories.

ELECTRICAL	40	60	85
Input Voltage	120V		
Input Power	6W	8W	10W
Color Temperature	2700K or 3000K	2700K, 3000K, 4000K	
CRI	90+ CRI		
<u>Dimming</u>	Triac / ELV		
Operating Temperature	0°C to 40°C		0°C to 25°C
Beam Spread	36° Flood		
Lifetime	60,000 hours @ L70		

OPTIONAL MOUNTING ACCESSORIES

NM2-MLS1: One Head Multiple Lighting System Plate
NM2-MLS2: Two Head Multiple Lighting System Plate
NM2-MLS3: Three Head Multiple Lighting System Plate
NF-R246: Universal New Construction Frame-In
NFC-R275: New Construction Frame-In with Collar
NM2-EW-4: 4' Quick Connect Linkable Extension Cable
NM2-EW-10: 10' Quick Connect Linkable Extension Cable
NEPK-23LEDUNV: 23W Emergency with Remote Test Switch
NEPK-23LEDUNV-JB: 23W Emergency Kit w/Test Switch
NEPKA-20/23LEDRTS: Ribbon Test Switch for NEPK-23LEDUNV

Emergency: Luminaire is compatible with NEPK-23LEDUNV (ordered separately). Remote mounted battery operates luminaire for 90 minute emergency operation with a fully charged battery. Emergency includes remote test switch, ribbon test switch accessory (NEPKA-20/23LEDRTS) ordered separately.

LABELS AND LISTINGS

- cETLus Listed for Wet Locations
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2025



Type	
Project	
Catalog No.	
Notes	

PRODUCT IMAGES AND DIMENSIONS



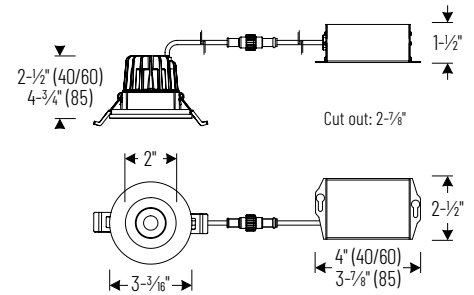
NM2-2RDCSXXXBB
400lm or 600lm
Black Finish

NM2-2RDCSXXXMPW
400lm or 600lm
White Finish



NM2-2RDCS85XXBB
850lm
Black Finish

NM2-2RDCS85XXMPW
850lm
White Finish



2" M2 Round Can-less LED Recessed Lensed Downlight

Lumens / Wattage	Color Temperature	Finish
■ NM2-2RDCS40 = 400lm / 6W	■ 27 = 2700K	■ BB = Black
	■ 30 = 3000K	■ MPW = White
	■ 40 = 4000K	
■ NM2-2RDCS60 = 600lm / 8W	■ 27 = 2700K	■ BB = Black
	■ 30 = 3000K	■ MPW = White
	■ 40 = 4000K	
■ NM2-2RDCS85 = 850lm / 10W	■ 27 = 2700K	■ BB = Black
	■ 30 = 3000K	■ MPW = White
	■ 40 = 4000K	

Note:

¹ 850lm / 4000K available in black finish only

Optional Accessories

Accessory Type	Finish
■ NM2-MLS1 = One Head MLS Plate	■ BB = Black
■ NM2-MLS2 = Two Head MLS Plate	■ MPW = White
■ NM2-MLS3 = Three Head MLS Plate	
■ NF-R246 = Universal New Construction Frame-In	
■ NFC-R275 = New Construction Frame-In with Collar	
■ NM2-EW-4 = 4' Quick Connect Extension Cable	
■ NM2-EW-10 = 10' Quick Connect Extension Cable	
■ NEPK-23LEDUNV = 23W Emergency LED Driver w/ Remote Test Switch	
■ NEPK-23LEDUNV-JB = 23W Emergency LED Driver Kit w/ Test Switch	
■ NEPKA-20/23LEDRTS = Ribbon Test Switch for NEPK-23LEDUNV	

Example: **NM2-2RDCS6030MPW** = 2" M2 Round Can-less LED Recessed Lensed Downlight, 600lm / 8W, 3000K, White Finish

ACCESSORIES

2" M2 Round Can-less LED Recessed Lensed Downlight

Type	
Project	
Catalog No.	
Notes	



One Head Multiple Lighting System Plate

NM2-MLS1B 1 Head / Black Finish
NM2-MLS1PW 1 Head / White Finish
 Converts one round LED luminaire into multiple lighting system without a large housing.



Two Head Multiple Lighting System Plate

NM2-MLS2B 2 Head / Black Finish
NM2-MLS2MPW 2 Head / White Finish
 Converts two round LED luminaires into multiple lighting system without a large housing.



Three Head Multiple Lighting System Plate

NM2-MLS3B 3 Head / Black Finish
NM2-MLS3MPW 3 Head / White Finish
 Converts three round LED luminaires into multiple lighting system without a large housing.



Universal New Construction Frame-In

NF-R246
 Universal new construction frame-in can be used to assist installing can-less recessed downlighting.



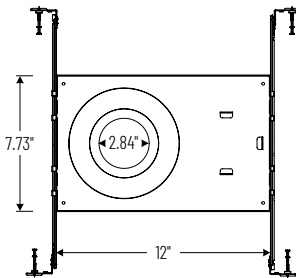
New Construction Frame-In with Collar

NFC-R275
 New construction frame-in can be used to assist installing can-less recessed downlighting.



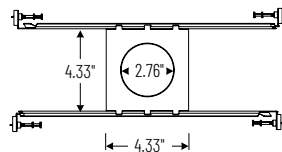
Quick Connect Extension Linkable Cables

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.



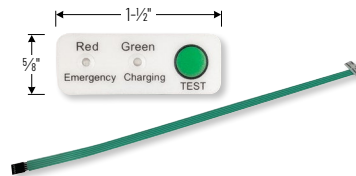
23W Emergency LED Driver with Remote Test Switch

NEPK-23LEDUNV
 120-277V Emergency battery operates luminaire for 90 minute emergency operation with a fully charged battery. Requires 24 hours to charge the battery.



23W Emergency LED Driver Kit with Remote Test Switch

NEPK-23LEDUNV-JB
 120-277V Emergency battery operates luminaire for 90 minute emergency operation with a fully charged battery. Requires 24 hours to charge the battery. Includes junction box.



Ribbon Test Switch for NEPK-23LEDUNV

NEPKA-20/23LEDRTS
 Ribbon test switch replaces remote test switch included with emergency driver. Double sided tape is pre-installed.

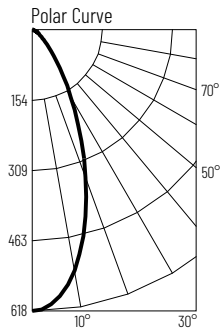
PHOTOMETRICS

2" M2 Round Can-less LED Recessed Lensed Downlight

Type	
Project	
Catalog No.	
Notes	

Test Information

Test Number: NTR1506
 Part Number: NM2-2RDCS4030MPW
 Beam Spread: 44° Flood
 Lumens: 450lm
 Wattage: 7.08W
 Efficacy: 63lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.7
 Spacing Criteria (90°-270°): 0.7



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	154fc	1'-7"
4'	38.6fc	3'-2"
6'	17.2fc	4'-10"
8'	9.7fc	6'-5"
10'	6.2fc	8'

Zonal Lumen Summary

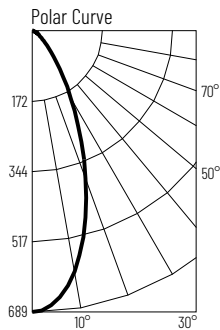
Zone	Lumens	% Luminaire
0-30	293	65.1
0-40	366	81.3
0-60	427	95
0-90	449	99.9
90-180	0	0.1
0-180	450	100

Candela Table

Vertical Angles	Candela
0	618
5	596
15	446
25	249
35	114
45	50

Test Information

Test Number: NTR1505
 Part Number: NM2-2RDCS6030MPW
 Beam Spread: 44° Flood
 Lumens: 505lm
 Wattage: 8.1W
 Efficacy: 62lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.7
 Spacing Criteria (90°-270°): 0.7



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	172fc	1'-7"
4'	43.1fc	3'-2"
6'	19.1fc	4'-10"
8'	10.8fc	6'-5"
10'	6.9fc	8'

Zonal Lumen Summary

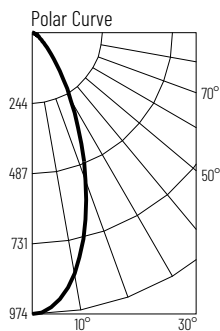
Zone	Lumens	% Luminaire
0-30	328	65
0-40	410	81.2
0-60	479	95
0-90	504	99.9
90-180	0	0.1
0-180	505	100

Candela Table

Vertical Angles	Candela
0	689
5	666
15	501
25	280
35	129
45	57

Test Information

Test Number: NTR1504
 Part Number: NM2-2RDCS8530MPW
 Beam Spread: 44° Flood
 Lumens: 725lm
 Wattage: 10W
 Efficacy: 72lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.7
 Spacing Criteria (90°-270°): 0.7



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	244fc	1'-7"
4'	60.9fc	3'-2"
6'	27.1fc	4'-10"
8'	15.2fc	6'-5"
10'	9.7fc	8'-1"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	466	64.3
0-40	583	80.5
0-60	686	94.7
0-90	724	99.9
90-180	1	0.1
0-180	725	100

Candela Table

Vertical Angles	Candela
0	974
5	945
15	710
25	396
35	184
45	84