

# NM2-2RTLDC

## 2" M2 Trimless LED Downlight

Source: 8W or 10W LED  
750lm or 900lm

Type

Project

Catalog No.

Notes

### PRODUCT DESCRIPTION

2" M2 trimless downlights features quality and convenience with easy installation for insulated or non-insulated applications. Each installation requires a mud plate that mounts to drywall and hold LED luminaire to ceiling without any housing.

### FEATURES

- No housing required - IC Air-Tight rated
- Easy installation for remodel or new construction applications
- Trimless mud plate required (NM2-TLMR-R)
- Quick disconnect allows for extended lengths
- Delivering up to 900 lumens
- 2700K, 3000K or 4000K @ 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.

**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:** Pre-wired junction box includes quick connect to LED fixtures for ease of installation. Junction box includes two ½" trade size knockout and snap on cover with 18" quick connect wire. Luminaire includes 6" quick connect wire.

**Mounting:** No housing is required, patent pending mud plate (ordered separately) secures luminaire to ceiling.

### ELECTRICAL

**Input Voltage:** 120V

**Lumens / Wattage:** 750lm / 8W or 900lm / 10W

**Color Temperature:** 2700K, 3000K or 4000K

**Color Rendering Index:** 90+ CRI

**Operating Temperature:** 0-30°C

**Dimming:** Triac or ELV

[Click Here](#) or check complete dimmer list at [www.NoraLighting.com](http://www.NoraLighting.com) in the "Compatibility" page under "Resources" tab

### ACCESSORIES

[NM2-TLMR-R](#): Trimless Mud Plate (required)

[NF-R246](#): Universal New Construction Frame-In (optional)

[NMA-EW-4](#): 4' Quick Connect Linkable Extension Cable (optional)

[NMA-EW-10](#): 10' Quick Connect Linkable Extension Cable (optional)

### LABELS AND LISTINGS

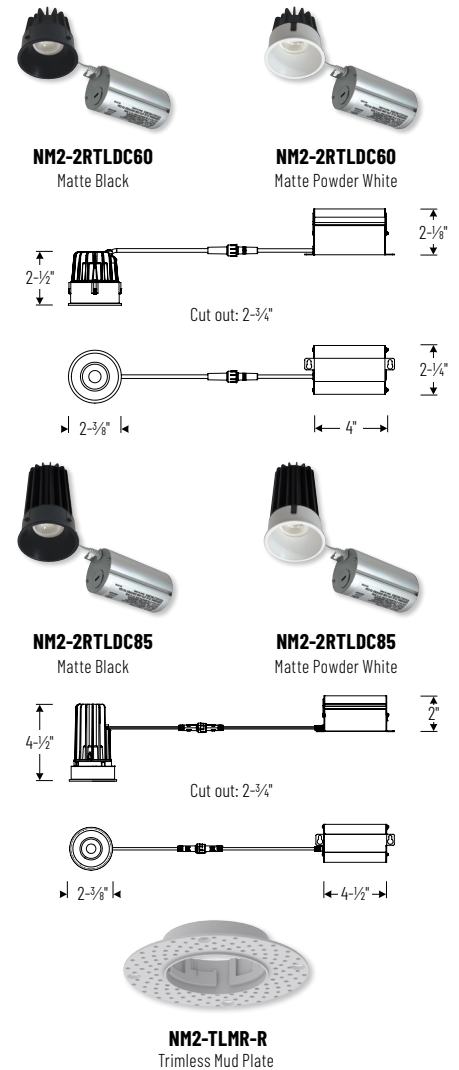
- cETLus Listed for Damp Locations
- ENERGY STAR certified
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Performance Data		
Part Number	Lumens	CCT
<b>NM2-2RTLDC6027MPW</b>	700lm	2700K
<b>NM2-2RTLDC8527MPW</b>	817lm	2700K
<b>NM2-2RTLDC6030MPW</b>	746lm	3000K
<b>NM2-2RTLDC8530MPW</b>	843lm	3000K
<b>NM2-2RTLDC6040MPW</b>	774lm	4000K
<b>NM2-2RTLDC8540MPW</b>	935lm	4000K

*Delivered lumens will vary depending on finish*

### PRODUCT IMAGES AND DIMENSIONS



### 2" M2 Trimless LED Downlight

Description	Lumens / Wattage	Color Temperature / CRI	Finish
<b>NM2-2RTLDC</b> = 2" M2 Trimless	<b>60</b> = 750lm / 8W	<b>27</b> = 2700K / 90 CRI	<b>BB</b> = Matte Black
	<b>85</b> = 900lm / 10W	<b>30</b> = 3000K / 90 CRI	<b>MPW</b> = Matte Powder White
		<b>40</b> = 4000K / 90 CRI	

### 2" M2 Trimless Mud Plate (Required)

Description
<b>NM2-TLMR-R</b> = Trimless Mud Plate

### Optional Extension Cables

Description
<b>NF-R246</b> = Universal New Construction Frame-In
<b>NMA-EW-4</b> = 4' Quick Connect Extension Cable
<b>NMA-EW-10</b> = 10' Quick Connect Extension Cable

Example: **NM2-2RTLDC6030MPW** / **NM2-TLMR-R** = 2" M2 Trimless LED Downlight, 750lm / 8W, 3000K, Matte Powder White

# PHOTOMETRICS

## 2" M2 Trimless LED Downlight , 750lm / 8W

Type

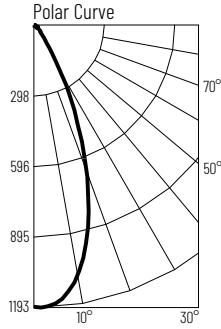
Project

Catalog No.

Notes

### Test Information

Test Number: NTR2004R1  
 Part Number: NM2-2RTLDC6027MPW  
 Beam Spread: 42° Narrow Flood  
 Lumens: 700lm  
 Wattage: 7.86W  
 Efficacy: 89lpw  
 CCT / CRI: 2700K / 90 CRI  
 Spacing Criteria (0°-180°): 0.7  
 Spacing Criteria (90°-270°): 0.68



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	74.4fc	3'-1"
6'	33fc	4'-7"
8'	18.6fc	6'-2"
10'	11.9fc	7'-8"
12'	8.3fc	9'-4"

### Zonal Lumen Summary

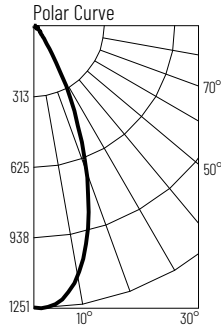
Zone	Lumens	% Luminaire
0-30	543	77.7
0-40	617	88.1
0-60	679	97.1
0-90	700	100
90-180	0	0
0-180	700	100

### Candela Table

Vertical Angles	Candela
0	1190
5	1163
15	873
25	422
35	109
45	43

### Test Information

Test Number: NTR2005R1  
 Part Number: NM2-2RTLDC6030MPW  
 Beam Spread: 43° Narrow Flood  
 Lumens: 746lm  
 Wattage: 7.83W  
 Efficacy: 95lpw  
 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
4'	77.9fc	3'-1"
6'	34.6fc	4'-8"
8'	19.5fc	6'-2"
10'	12.5fc	7'-10"
12'	8.7fc	9'-4"

### Zonal Lumen Summary

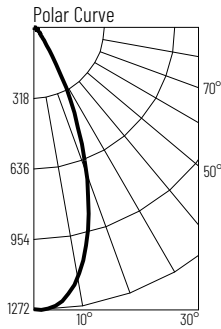
Zone	Lumens	% Luminaire
0-30	578	77.5
0-40	657	88.1
0-60	725	97.2
0-90	746	100
90-180	0	0
0-180	746	100

### Candela Table

Vertical Angles	Candela
0	1246
5	1216
15	938
25	455
35	120
45	47

### Test Information

Test Number: NTR2006R1  
 Part Number: NM2-2RTLDC6040MPW  
 Beam Spread: 44° Narrow Flood  
 Lumens: 774lm  
 Wattage: 7.76W  
 Efficacy: 100lpw  
 CCT / CRI: 4000K / 90 CRI  
 Spacing Criteria (0°-180°): 0.72  
 Spacing Criteria (90°-270°): 0.72



### Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	79.3fc	3'-2"
6'	35.3fc	4'-10"
8'	19.8fc	6'-6"
10'	12.7fc	8'-1"
12'	8.8fc	9'-8"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	605	78.3
0-40	686	88.6
0-60	752	97.2
0-90	774	100
90-180	0	0
0-180	774	100

### Candela Table

Vertical Angles	Candela
0	1269
5	1245
15	990
25	481
35	126
45	46

### Lumen Output Multipliers

Finish: Matte Black (0.86), Matte Powder White (1.00)

# PHOTOMETRICS

## 2" M2 Trimless LED Downlight , 900lm / 10W

Type

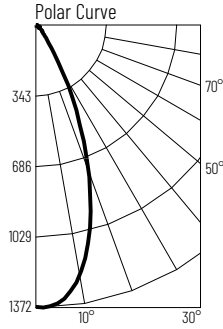
Project

Catalog No.

Notes

### Test Information

Test Number: NTR2127R1  
 Part Number: NM2-2RTLDC8527MPW  
 Beam Spread: 43° Narrow Flood  
 Lumens: 817lm  
 Wattage: 9.63W  
 Efficacy: 85lpw  
 CCT / CRI: 2700K / 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
4'	85.8fc	3'-2"
6'	38.1fc	4'-10"
8'	21.4fc	6'-4"
10'	13.7fc	7'-11"
12'	9.5fc	9'-6"

### Zonal Lumen Summary

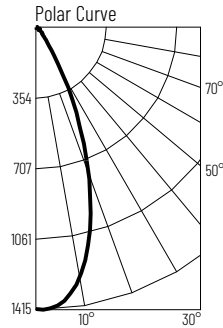
Zone	Lumens	% Luminaire
0-30	642	78.6
0-40	735	90.0
0-60	796	97.3
0-90	816	100
90-180	0	0
0-180	817	100

### Candela Table

Vertical Angles	Candela
0	1372
5	1341
15	1029
25	511
35	136
45	47

### Test Information

Test Number: NTR2128R1  
 Part Number: NM2-2RTLDC8530MPW  
 Beam Spread: 43° Narrow Flood  
 Lumens: 843lm  
 Wattage: 9.52W  
 Efficacy: 89lpw  
 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
4'	88.4fc	3'-2"
6'	39.3fc	4'-10"
8'	22.1fc	6'-4"
10'	14.1fc	7'-11"
12'	9.8fc	9'-5"

### Zonal Lumen Summary

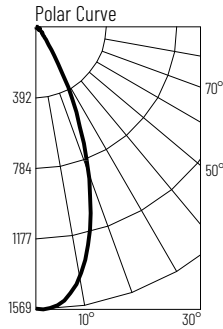
Zone	Lumens	% Luminaire
0-30	662	78.6
0-40	758	90.0
0-60	820	97.3
0-90	841	99.8
90-180	2	0.2
0-180	843	100

### Candela Table

Vertical Angles	Candela
0	1415
5	1382
15	1061
25	526
35	140
45	48

### Test Information

Test Number: NTR2129R1  
 Part Number: NM2-2RTLDC8540MPW  
 Beam Spread: 43° Narrow Flood  
 Lumens: 935lm  
 Wattage: 9.55W  
 Efficacy: 98lpw  
 CCT / CRI: 4000K / 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
4'	98.0fc	3'-2"
6'	43.6fc	4'-10"
8'	24.5fc	6'-3"
10'	15.7fc	7'-11"
12'	10.9fc	9'-5"

### Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	734	78.6
0-40	841	90.0
0-60	910	97.3
0-90	933	99.8
90-180	2	0.2
0-180	935	100

### Candela Table

Vertical Angles	Candela
0	1569
5	1533
15	1176
25	584
35	156
45	53

### Lumen Output Multipliers

Finish: Matte Black (0.87), Matte Powder White (1.00)