

NMC

M-Curve Can-less Adjustable LED Downlight

Source: 9W or 13W

900lm or 1300lm

Type

Project

Catalog No.

Notes

PRODUCT DESCRIPTION

M-Curve adjustable downlights are unique and functional. Luminaires extend up to 80° and can be rotated 360° to illuminate any surface. Can-less recessed luminaires require no housing, while maintaining air-tight requirements in IC or Non-IC applications.

FEATURES

- No housing required - IC Air-Tight rated
- Easy installation for remodel or new construction applications
- 80° Tilt & 360° Rotation
- Quick disconnect allows for extended lengths
- Delivering up to 1300 lumens
- Five color temperatures in each fixture (2700K / 3000K / 3500K / 4000K / 5000K)
- Triac or ELV dimming
- 5-year limited warranty
- cETLus Listed for Wet Locations

SPECIFICATION

Construction: Die-cast aluminum trims available in matte powder white finish.

Air Flow Restriction: Luminaire restricts 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 four 1/2" trade size knockouts and snap on cover with 18" quick connect wire. Luminaire includes 6" quick connect wire.

Mounting: No housing is required, two tensions steel spring clips secure luminaire to ceiling. Accommodates ceiling thickness up to 1". New construction frame-in is available, see accessories.

ELECTRICAL

Input Voltage: 120VAC

Lumens / Wattage: 900lm / 9W or 1300lm / 13W

Color Temperature: Selectable CCT: 2700K / 3000K / 3500K / 4000K / 5000K (Note: Preset to 3000K)

Color Rendering Index: 90+ CRI

Operating Temperature: 0-40°C

Dimming: Triac or ELV

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

OPTIONAL ACCESSORY

NFC-R375: New Construction Frame-In with Collar for NMC-4RTW

NFC-R5: New Construction Frame-In with Collar for NMC-6RTW

NEPK-23LEDUNV: 23W Emergency with Remote 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

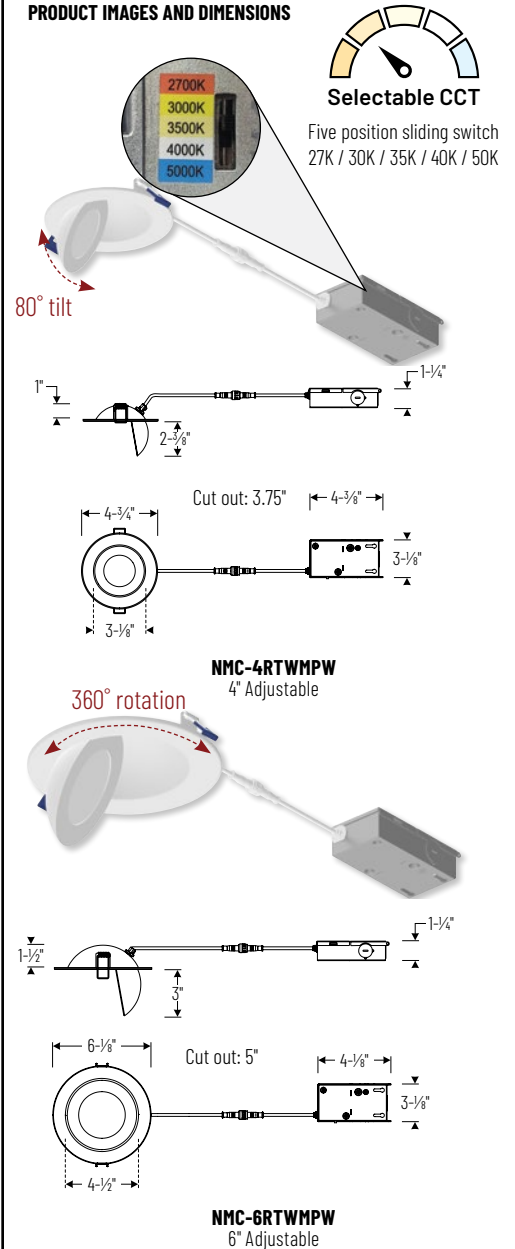
- cETLus Listed for Wet Locations
- [5-Year Limited Warranty](#)
- FCC compliant
- Certified to the high efficacy requirements of California Title 24 JA8-2022



Performance Data

Part Number	4" Lumens	6" Lumens	CCT
NMC-XRTWMPW	840lm	1226lm	2700K
NMC-XRTWMPW	863lm	1259lm	3000K
NMC-XRTWMPW	875lm	1276lm	3500K
NMC-XRTWMPW	890lm	1296lm	4000K
NMC-XRTWMPW	904lm	1312lm	5000K

PRODUCT IMAGES AND DIMENSIONS



M-Curve Can-less Adjustable LED Downlight

Optional Accessories

Description

NMC-4RTWMPW = 4" M-Curve Can-less Adjustable LED Downlight

NMC-6RTWMPW = 6" M-Curve Can-less Adjustable LED Downlight

Accessory Type

NFC-R375 = New Construction Frame-In with Collar for NMC-4RTW

NFC-R5 = New Construction Frame-In with Collar for NMC-6RTW

NEPK-23LEDUNV = 23W Emergency LED Driver w/ Remote Test Switch

NEPKA-20/23LEDRTS = Ribbon Test Switch for NEPK-23LEDUNV

Example: **NMC-4RTWMPW** = 4" M-Curve Can-less Adjustable LED Downlight, Matte Powder White finish

NM4-RG

4" M4 Round LED Recessed Gimbal Accessories

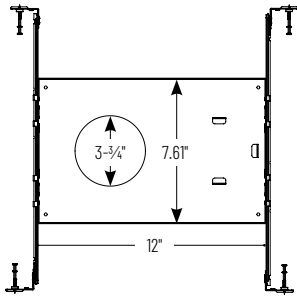
Type _____
 Project _____
 Catalog No. _____
 Notes _____



New Construction Frame-In

NF-R375

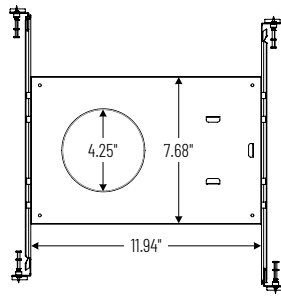
For new construction pre-wiring and easier layout planning.



New Construction Frame-In

NFC-R5

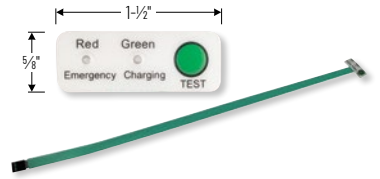
New construction frame-in can be used to assist installing can-less recessed downlighting.



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.



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

4" M-Curve Can-less Adjustable LED Downlight

Type

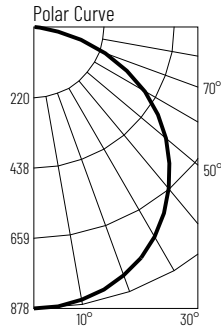
Project

Catalog No.

Notes

Test Information

Test Number: NTS201R1
 Part Number: NMC-4RTWMPW
 Beam Spread: 50° Narrow Flood
 Lumens: 840lm
 Wattage: 8.16W
 Efficacy: 103lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180°): 0.82
 Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	54.9fc	3'-10"
6'	24.4fc	5'-7"
8'	13.7fc	7'-6"
10'	8.9fc	9'-5"
12'	6.1fc	11'-4"

Zonal Lumen Summary

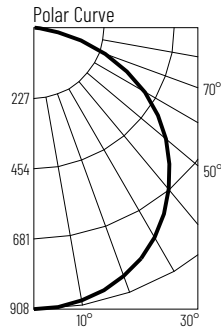
Zone	Lumens	% Luminaire
0-30	464	55.2
0-40	621	73.9
0-60	782	93.1
0-90	840	100
90-180	0	0
0-180	840	100

Candela Table

Vertical Angles	Candela
0	878
5	849
15	699
25	485
35	291
45	154

Test Information

Test Number: NTR2175R1
 Part Number: NMC-4RTWMPW
 Beam Spread: 49° Narrow Flood
 Lumens: 863lm
 Wattage: 8.16W
 Efficacy: 106lpw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.80
 Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	56.8fc	3'-8"
6'	25.2fc	5'-7"
8'	14.2fc	7'-5"
10'	9.1fc	9'-4"
12'	6.3fc	11'-3"

Zonal Lumen Summary

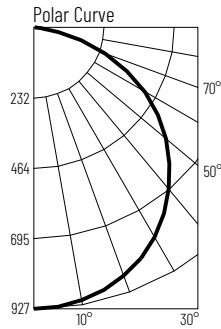
Zone	Lumens	% Luminaire
0-30	478	56.6
0-40	638	75.1
0-60	803	93.6
0-90	863	100
90-180	0	0
0-180	863	100

Candela Table

Vertical Angles	Candela
0	908
5	879
15	712
25	482
35	281
45	148

Test Information

Test Number: NTS203R1
 Part Number: NMC-4RTWMPW
 Beam Spread: 49° Narrow Flood
 Lumens: 875lm
 Wattage: 8.17W
 Efficacy: 107lpw
 CCT / CRI: 3500K / 90 CRI
 Spacing Criteria (0°-180°): 0.78
 Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	57.9fc	3'-8"
6'	25.8fc	5'-6"
8'	14.5fc	7'-5"
10'	9.3fc	9'-2"
12'	6.4fc	11'-1"

Zonal Lumen Summary

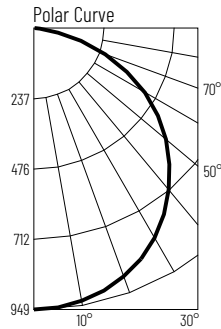
Zone	Lumens	% Luminaire
0-30	428	48.9
0-40	592	67.7
0-60	808	92.3
0-90	875	100
90-180	0	0
0-180	875	100

Candela Table

Vertical Angles	Candela
0	927
5	900
15	715
25	473
35	267
45	137

Test Information

Test Number: NTS204R1
 Part Number: NMC-4RTWMPW
 Beam Spread: 49° Narrow Flood
 Lumens: 890lm
 Wattage: 8.16W
 Efficacy: 109lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 0.76
 Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	59.3fc	3'-8"
6'	26.4fc	5'-6"
8'	14.8fc	7'-4"
10'	9.5fc	9'-1"
12'	6.6fc	11'

Zonal Lumen Summary

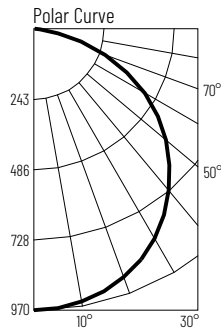
Zone	Lumens	% Luminaire
0-30	497	56.7
0-40	661	75.2
0-60	829	93.6
0-90	890	100
90-180	0	0
0-180	890	100

Candela Table

Vertical Angles	Candela
0	949
5	925
15	723
25	464
35	252
45	128

Test Information

Test Number: NTS205R2
 Part Number: NMC-4RTWMPW
 Beam Spread: 49° Narrow Flood
 Lumens: 904lm
 Wattage: 8.14W
 Efficacy: 111lpw
 CCT / CRI: 5000K / 90 CRI
 Spacing Criteria (0°-180°): 0.74
 Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	60.6fc	3'-8"
6'	26.9fc	5'-6"
8'	15.2fc	7'-4"
10'	9.7fc	9'-1"
12'	6.7fc	11'

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	446	49.4
0-40	615	68.0
0-60	835	92.4
0-90	904	100
90-180	0	0
0-180	904	100

Candela Table

Vertical Angles	Candela
0	970
5	945
15	726
25	452
35	233
45	114

PHOTOMETRICS

6" M-Curve Can-less Adjustable LED Downlight

Type

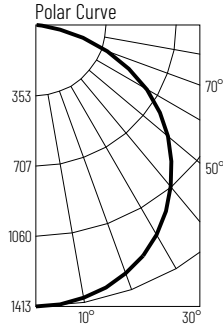
Project

Catalog No.

Notes

Test Information

Test Number: NTS206R1
 Part Number: NMC-6RTWMPW
 Beam Spread: 47° Narrow Flood
 Lumens: 1226lm
 Wattage: 12.18W
 Efficacy: 101lpw
 CCT / CRI: 2700K / 90 CRI
 Spacing Criteria (0°-180°): 0.74
 Spacing Criteria (90°-270°): 0.72



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	88.3fc	3'-6"
6'	39.3fc	5'-4"
8'	22.1fc	7'
10'	14.1fc	8'-10"
12'	9.8fc	10'-6"

Zonal Lumen Summary

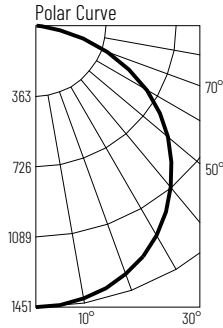
Zone	Lumens	% Luminaire
0-30	723	59.0
0-40	930	75.9
0-60	1139	92.9
0-90	1226	100
90-180	0	0
0-180	1226	100

Candela Table

Vertical Angles	Candela
0	1413
5	1362
15	1051
25	628
35	305
45	150

Test Information

Test Number: NTS208R1
 Part Number: NMC-6RTWMPW
 Beam Spread: 47° Narrow Flood
 Lumens: 1259lm
 Wattage: 12.19W
 Efficacy: 103pw
 CCT / CRI: 3000K / 90 CRI
 Spacing Criteria (0°-180°): 0.74
 Spacing Criteria (90°-270°): 0.74



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	90.7fc	3'-6"
6'	40.3fc	5'-4"
8'	22.7fc	7'
10'	14.5fc	8'-10"
12'	10.1fc	10'-6"

Zonal Lumen Summary

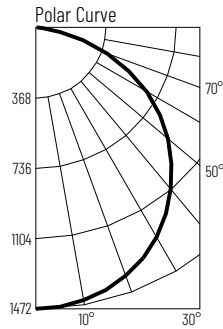
Zone	Lumens	% Luminaire
0-30	743	59.0
0-40	955	75.8
0-60	1170	92.9
0-90	1259	100
90-180	0	0
0-180	1259	100

Candela Table

Vertical Angles	Candela
0	1451
5	1422
15	1088
25	654
35	319
45	158

Test Information

Test Number: NTR2181R1
 Part Number: NMC-6RTWMPW
 Beam Spread: 47° Narrow Flood
 Lumens: 1276lm
 Wattage: 12.49W
 Efficacy: 88lpw
 CCT / CRI: 3500K / 90 CRI
 Spacing Criteria (0°-180°): 0.76
 Spacing Criteria (90°-270°): 0.74



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	92.0fc	3'-6"
6'	40.9fc	5'-4"
8'	23.0fc	7'
10'	14.7fc	8'-10"
12'	10.2fc	10'-6"

Zonal Lumen Summary

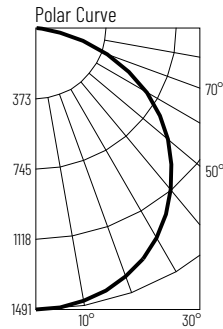
Zone	Lumens	% Luminaire
0-30	752	59.0
0-40	967	75.8
0-60	1185	92.9
0-90	1276	100
90-180	0	0
0-180	1276	100

Candela Table

Vertical Angles	Candela
0	1472
5	1422
15	1111
25	671
35	329
45	163

Test Information

Test Number: NTS209R1
 Part Number: NMC-6RTWMPW
 Beam Spread: 47° Narrow Flood
 Lumens: 1296lm
 Wattage: 12.22W
 Efficacy: 106lpw
 CCT / CRI: 4000K / 90 CRI
 Spacing Criteria (0°-180°): 0.74
 Spacing Criteria (90°-270°): 0.76



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	93.2fc	3'-6"
6'	41.4fc	5'-4"
8'	23.3fc	7'
10'	14.9fc	8'-10"
12'	10.4fc	10'-6"

Zonal Lumen Summary

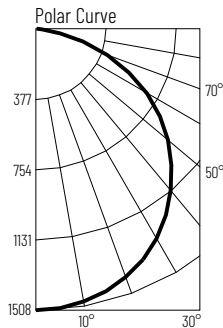
Zone	Lumens	% Luminaire
0-30	677	61.6
0-40	907	78.7
0-60	1192	94.2
0-90	1296	100
90-180	0	0
0-180	1296	100

Candela Table

Vertical Angles	Candela
0	1491
5	1444
15	1134
25	693
35	345
45	169

Test Information

Test Number: NTS210R1
 Part Number: NMC-6RTWMPW
 Beam Spread: 47° Narrow Flood
 Lumens: 1312lm
 Wattage: 12.21W
 Efficacy: 107lpw
 CCT / CRI: 5000K / 90 CRI
 Spacing Criteria (0°-180°): 0.76
 Spacing Criteria (90°-270°): 0.78



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
4'	94.2fc	3'-6"
6'	41.9fc	5'-4"
8'	23.6fc	7'
10'	15.1fc	8'-10"
12'	10.5fc	10'-6"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	684	61.7
0-40	917	78.7
0-60	1207	94.3
0-90	1312	100
90-180	0	0
0-180	1312	100

Candela Table

Vertical Angles	Candela
0	1508
5	1466
15	1158
25	714
35	359
45	176