

NM2-2SB

2" M2 Square Can-less LED Recessed Baffle

Source: 8W or 10W LED

600lm or 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
- 600lm or 850lm LED packages
- 2700K or 3000K @ 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.

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 (600lm) or four (850lm) ½" trade size knockouts and snap on cover with 7" quick connect wire. Luminaire includes 5" (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 ¾". New construction frame-in kits are available, see accessories.

ELECTRICAL	60	85
Input Voltage	120V	
Input Power	8W	10W
Color Temperature	2700K or 3000K	
Color Rendering Index	90+ CRI	
Dimming	Triac / ELV	
Operating Temperature	0°C to 40°C	0°C to 25°C
Beam Spread	37° Flood	
Lifetime	60,000 hours @ L70	

OPTIONAL ACCESSORIES

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



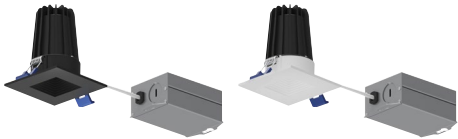
Type	
Project	
Catalog No.	
Notes	

PRODUCT IMAGES AND DIMENSIONS



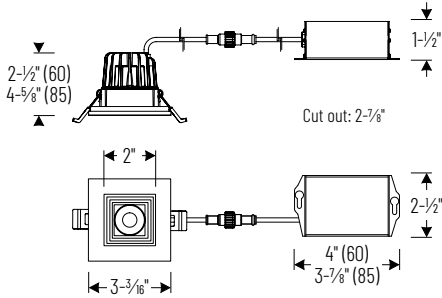
NM2-2SB60XXMPW
600lm
Black Finish

NM2-2SB60XXBB
600lm
White Finish



NM2-2SB85XXBB
850lm
Black Finish

NM2-2SB85XXMPW
850lm
White Finish



2" M2 Square Can-less LED Recessed Baffle

Lumens / Wattage	Color Temperature	Finish
NM2-2SB60 = 600lm / 8W	27 = 2700K	BB = Black
NM2-2SB85 = 850lm / 10W	30 = 3000K	MPW = White

Optional Accessories

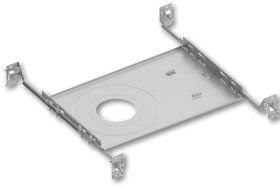
Description
NF-R246 = Universal New Construction Frame-In
NFC-R275 = New Construction Frame-In with Collar
NM2-EW-4 = 4' Quick Connect Extension Cable
NM2-EW-10 = 10' Quick Connect Extension Cable
NEPK-23LEDUNV = 23W Emergency LED Driver w/ Remote Test Switch
NEPK-23LEDUNV-JB = 23W Emergency LED Driver Kit w/ Test Switch
NEPKA-20/23LEDRTS = Ribbon Test Switch for NEPK-23LEDUNV

Example: NM2-2SB6030MPW = 2" M2 Square Can-less LED Recessed Baffle, 600lm / 8W, 3000K, White Finish

NM2-2SB

2" M2 Square Can-less LED Recessed Baffle Accessories

Type	
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Notes	



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

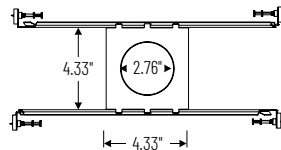
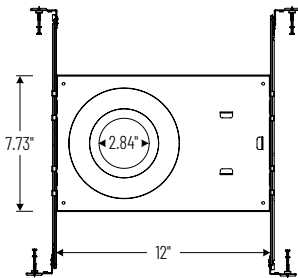
NM2-EW-4

4' Cable

NM2-EW-10

10' Cable

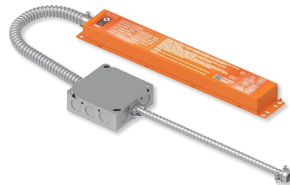
Use to extend the length between luminaire and driver enclosure. Can be connected together to create custom lengths. Maximum length between luminaire and driver is 40'. For longer remote driver remote run length, consult factory.



23W Emergency LED Driver with Remote Test Switch

NEPK-23LEDUNV

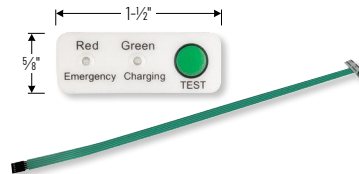
120-277V Emergency battery operates luminaire for 90 minute emergency operation with a fully charged battery. Requires 24 hours to charge the battery.



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 Square Can-less LED Recessed Baffle

Type

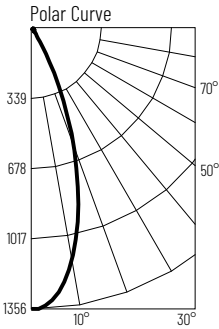
Project

Catalog No.

Notes

Test Information

Test Number: NTR1200
Part Number: NM2-2SB6027MPW
Beam Spread: 37° Flood
Lumens: 615lm
Wattage: 8.24W
Efficacy: 75lpw
CCT / CRI: 2700K / 90 CRI
Spacing Criteria (0°-180°): 0.6
Spacing Criteria (90°-270°): 0.62



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	339fc	1'-4"
4'	84.7fc	2'-7"
6'	37.7fc	3'-11"
8'	21.2fc	5'-2"
10'	13.6fc	6'-6"

Zonal Lumen Summary

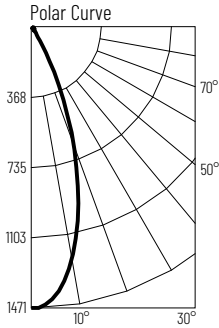
Zone	Lumens	% Luminaire
0-30	513	83.4
0-40	562	91.5
0-60	596	96.9
0-90	612	99.5
90-180	3	0.5
0-180	615	100

Candela Table

Vertical Angles	Candela
0	1356
5	1300
15	859
25	294
35	48
45	20

Test Information

Test Number: NTR1201
Part Number: NM2-2SB6030MPW
Beam Spread: 37° Flood
Lumens: 644lm
Wattage: 8.18W
Efficacy: 79lpw
CCT / CRI: 3000K / 90 CRI
Spacing Criteria (0°-180°): 0.62
Spacing Criteria (90°-270°): 0.62



Illuminance at a Distance

Distance from Luminaire	FC at Nadir	Beam Diameter
2'	367fc	1'-4"
4'	91.8fc	2'-8"
6'	40.8fc	4'
8'	23fc	5'-4"
10'	14.7fc	6'-8"

Zonal Lumen Summary

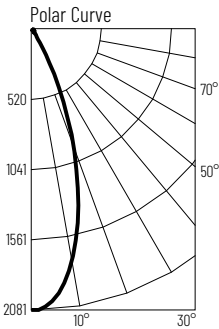
Zone	Lumens	% Luminaire
0-30	547	85
0-40	587	91.2
0-60	623	96.8
0-90	641	99.5
90-180	3	0.5
0-180	644	100

Candela Table

Vertical Angles	Candela
0	1469
5	1416
15	952
25	327
35	50
45	24

Test Information

Test Number: NTR1501
Part Number: NM2-2SB8530MPW
Beam Spread: 36° Flood
Lumens: 873lm
Wattage: 10.13W
Efficacy: 86lpw
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'	519fc	1'-4"
4'	130fc	2'-7"
6'	57.7fc	3'-11"
8'	32.5fc	5'-2"
10'	20.8fc	6'-5"

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	748	85.6
0-40	799	91.5
0-60	846	96.9
0-90	872	99.8
90-180	2	0.2
0-180	873	100

Candela Table

Vertical Angles	Candela
0	2077
5	1971
15	1288
25	421
35	56
45	31