



PROJECT

TYPE

DATE

ITEM NO.

NOTE

3" MINI DEEP REGRESS LED DOWNLIGHT

MDDL-3 Series

3" Mini Deep Regress
LED Downlight

DESCRIPTION

The MDDL series is a versatile, modular, 3" mini regress downlight, it offers high-quality COB design color 2700-4000K and 3000-2000K dim to warm, 5-19W field selectale output, optional regress trims, reflectors, and optical lenses with various beam angles.

APPLICATION

The MDDL seamlessly integrates into a wide range of architectural environments, including hospitality spaces, showrooms, retail stores, commercial offices, residential areas, galleries, church, museums, and luxury interiors.



SPECIFICATION FEATURES

Construction

Remodel and detachable LED driver (Non-IC rated), aluminum housing for engine acting as the heat sink to maximize life. Come standard with 360° horizontal adjustable holder and additional 30° tilt angle optional precision aiming for perfect light placement.

Certifications / Regulatory

UL listed for dry and damp locations rated.

Warranty

5-year limited warranty. See complete warranty terms for details.

Electrical

Offers a 2-in-1 LED driver compatible with 0-10V (1% Dimming deep) and TRIAC dimming (supports Leading-edge and Trailing-edge dimmer) for convenient inventory management. Dim to warm and up to CRI95 optional.

Quick Ship Product

ORDERING INFORMATION

Sample Number: MDDL-3-19L6/940-B20-HA-TL-R-RBK

Series	Size	Lumen Package			CRI
MDDL - Mini Deep Regress Downlight	3 - 3"	19L6 - 19/16/13/10/8/5W, 1900/1790/1420/1125/915/590lm	12L - 13W, 1235lm	9 - 90CRI 95 - 95CRI (For 12L only)	
CCT		Beam Angle	Holder	Trim	Reflector Color
40 - 4000K		B20 - 20°	HA - 360° Horizontal Adjustable	TL-R - Round Trimless	RBK - Black Reflector
35 - 3500K		B25 - 25°	TA - 360° Horizontal and 30° Tilt	TBK-R - Round trim with black flange	RWH - White Reflector
30 - 3000K		B35 - 35°	angle Adjustable	TWH-R - Round trim with white flange	RGD - Gold Reflector
27 - 2700K		B55 - 55°		TL-S - Square trimless	RCS - Chrome Silver Reflector
DW - 3000~2000K (Dim to Warm, for 12L only)				TBK-S - Square trim with black flange	
				TWH-S - Square trim with white flange	

Emergency Backup Option

EM-18W - Remodel 18W emergency backup
(Require field installation)

Accessories Option

DL-3R-HB - 3" Round Black honeycomb cover
DL-3R-WR - 3" Round Transparent waterproof cover
DL-3S-WR - 3" Square Transparent waterproof cover
MDDL-3R-NCB-NIC - 3" Non-IC version New Construction Bracket for Round trimmed fixture
MDDL-3R-NCB-IC - 3" IC version New Construction Bracket for Round trimmed fixture
MDDL-3R-NCB-TL-NIC - 3" Non-IC version New Construction Bracket for Round trimless fixture
MDDL-3R-NCB-TL-IC - 3" IC version New Construction Bracket for Round trimless fixture
MDDL-3S-NCB-NIC - 3" Non-IC version New Construction Bracket for Square trimmed fixture
MDDL-3S-NCB-IC - 3" IC version New Construction Bracket for Square trimmed fixture
MDDL-3S-NCB-TL-NIC - 3" Non-IC version New Construction Bracket for Square trimless fixture
MDDL-3S-NCB-TL-IC - 3" IC version New Construction Bracket for Square trimless fixture
(IC: Insulation Contact)

SUMMARY

Input Voltage	120-277V (only 120V for Triac dimming)
Power Factor	> 0.9
THD	< 20%
Efficacy	> 80 LPW
Delivered Lumens	See energy data for details
Dimming	0-10V Continuous (1-100%) and Triac
CRI	> 90
CCT	2700K, 3000K, 3500K, 4000K or 3000~2000K dim to warm
Operating Temp.	-4°F~104°F (-20°C~40°C)
Rated Life	50,000 hours
IP Rating	IP20

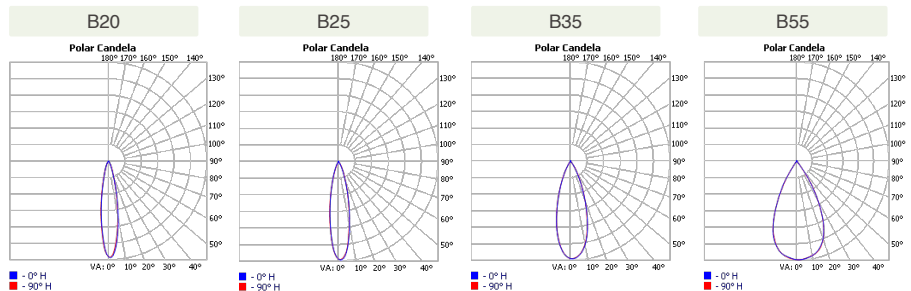
ENERGY PERFORMANCE DATA

Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
MMDL-3-19L6/9XX-XX-BXX-XX-XX-R-XX	19/16/13/10/8/5	1900/1790/1420/1125/915/590	100-118
MMDL-3-19L6/9XX-XX-BXX-XX-XX-S-XX	19/16/13/10/8/5	1520/1400/1100/885/715/450	80-90
MMDL-3-12L/95DW-XX-B24-XXX	13	1235	95

*The delivered lumens above are based on round trim and white reflector, B20 and 3000K.

**Default setting at time of shipping are highest wattage.

OPTICS



COMBINATION

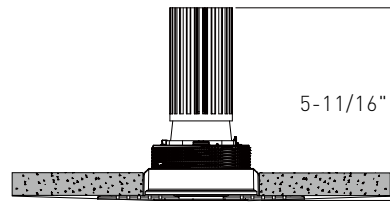
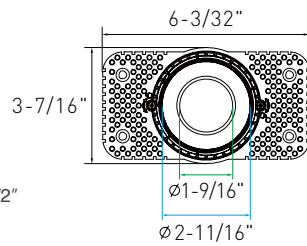


DIMENSION

With Round Trimless



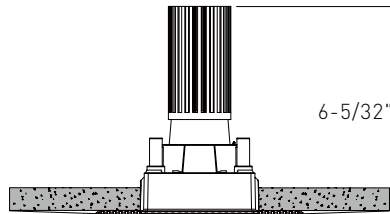
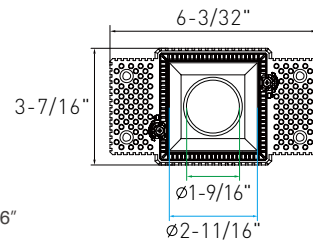
Requires opening size: Diameter 3-1/2"



With Square Trimless



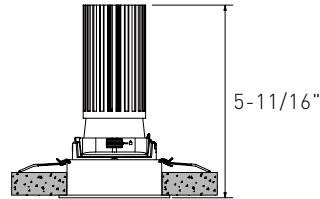
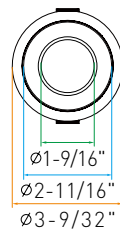
Requires opening size: 3-1/2" x 3-5/16"



With Round Trim



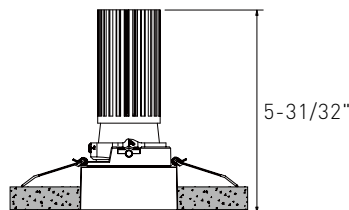
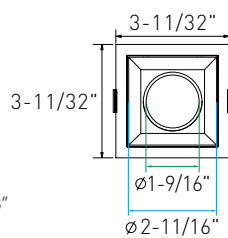
Requires opening size: Diameter 3"



3" Square Trim



Requires opening size: 3" x 2-7/8"

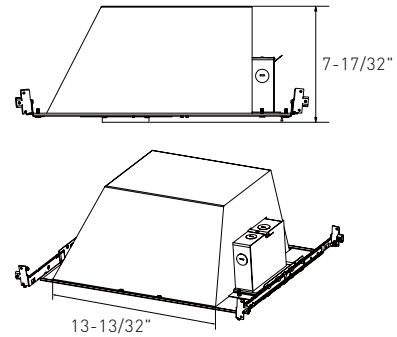


DIMENSION

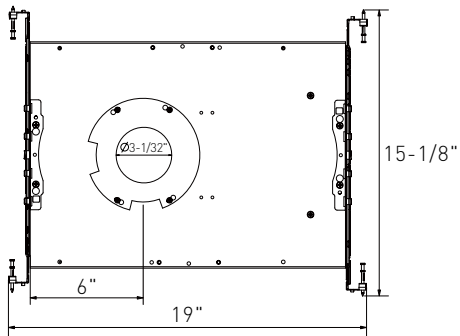
Non-IC New Construction Bracket



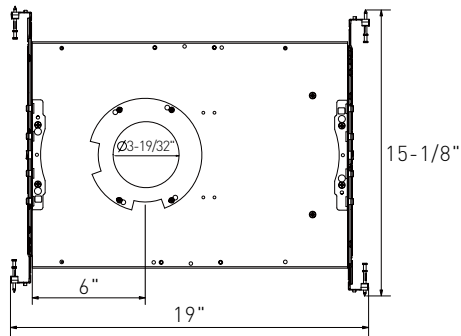
IC New Construction Bracket



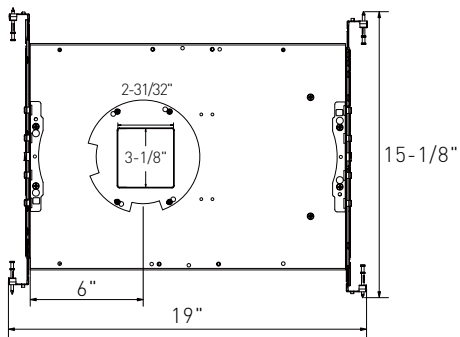
MDDL-3R-NCB-NIC or IC



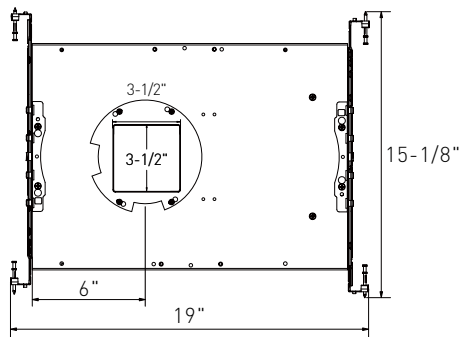
MDDL-3R-NCB-TL-NIC or IC



MDDL-3S-NCB-NIC or IC



MDDL-3S-NCB-TL-NIC or IC



Remodel LED driver

