Alphalite Inc.

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.



5 YEAR WARRANTY

c UL us LISTED

Quick Ship Product

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.

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.

Certifications / Regulatory
UL listed for dry and damp locations rated, optional waterproof cover to upgrade to wet locations rated.

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

ORDERING INFORMATION

Sample Number: MDDL-3-19L6/940-B15-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 **35** - 3500K **30** - 3000K **27** - 2700K **DW** - 3000~2000K (Dim to Warm, for 12L only)	**B15** - 15° **B24** - 24° **B36** - 36° **B60** - 60°	**HA** - 360° Horizontal Adjustable **TA** - 360° Horizontal and 30° Tilt angle Adjustable	**TL-R** - Round Trimless **TBK-R** - Round trim with black flange **TWH-R** - Round trim with white flange **TL-S** - Square trimless **TBK-S** - Square trim with black flange **TWH-S** - Square trim with white flange	**RBK** - Black Reflector **RWH** - White Reflector **RGD** - Gold Reflector **RCS** - Chrome Silver Reflector

Emergency Backup	Accessories Option
EM-18W - Remodel 18W emergency backup (Require field installation)	**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 **DL-3R-HB** - 3″ Round Black honeycomb cover **DL-3R-WR** - 3″ Round Transparent waterproof cover to upgrade to wet rated **DL-3S-WR** - 3″ Square Transparent waterproof cover to upgrade to wet rated **DL-3R-Dxx** - 3″ Round Decorative Kit for round trims only (First x can be Y, G, T, B, R as Yellow, Green, Transparent, Blue, Red for the color of the reflected lights; Second x can be B or W as Black or White for the shielding cover in the middle)* * Reference the combination of next page.

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 or Wet location

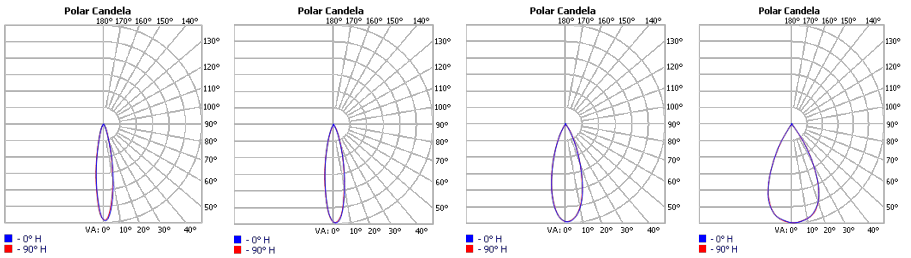
ENERGY PERFORMANCE DATA

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

*The delivered lumens above are based on round trim and white reflector, B15 and 3000K.
**Default setting at time of shipping are highest wattage.

OPTICS

B15 | B24 | B36 | B60



COMBINATION

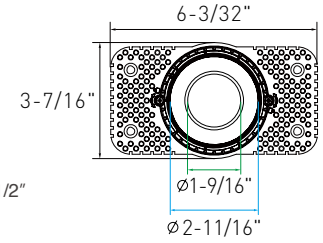


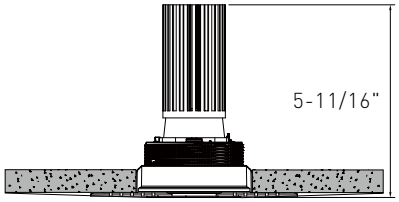
DIMENSION

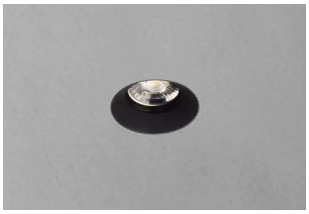
With Round Trimless



Requires opening size: Diameter 3-1/2″



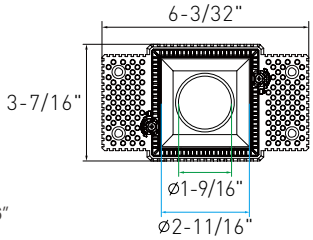


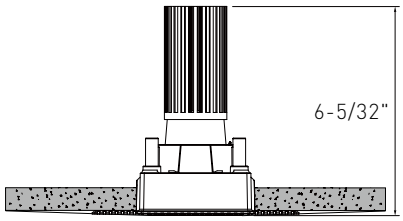


With Square Trimless



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



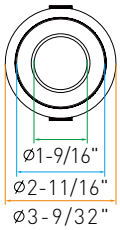


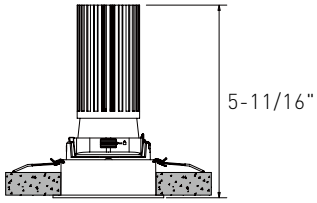


With Round Trim



Requires opening size: Diameter 3″



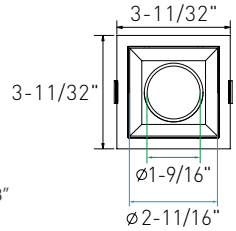


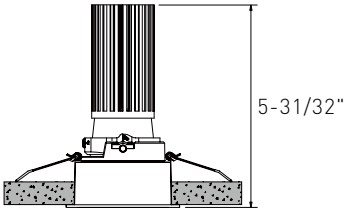


3" Square Trim



Requires opening size: 3″ x 2-7/8″





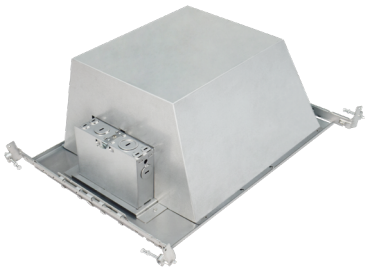


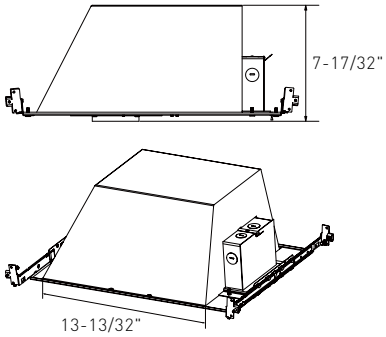
DIMENSION

Non-IC New Construction Bracket

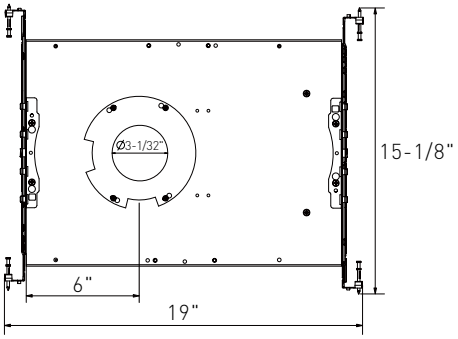


IC New Construction Bracket

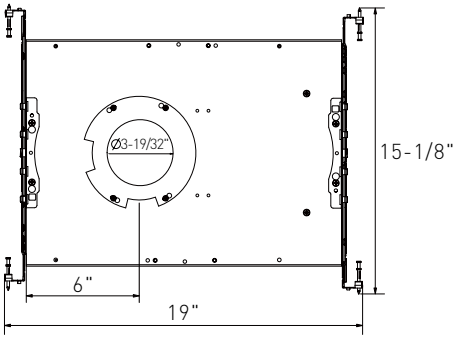




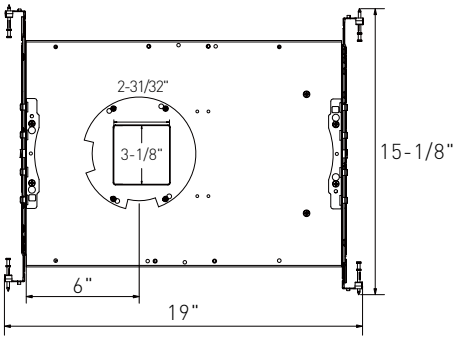
MDDL-3R-NCB-NIC or IC



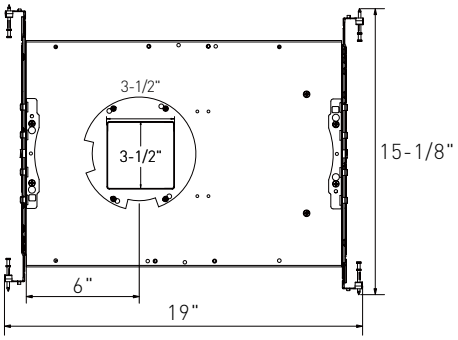
MDDL-3R-NCB-TL-NIC or IC



MDDL-3S-NCB-NIC or IC



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



Remodel LED driver

