

# MAL202, MAL2021

Universal 120-277VAC LED, 2" LED, IC and Non-IC type Square Architectural Recessed Lights



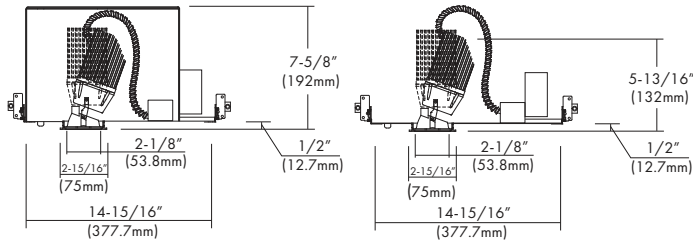
<b>Catalog</b>		<b>Type</b>
<b>Project</b>		<b>Date</b>
<b>Prepared</b>		



**MAL202**  
[IC rated with outer box]



**MAL2021**  
[Non-IC rated]



Ceiling Cut-out : SQ.2-7/8" (SQ.72mm)

## Design Features

- Three different beam distributions available: Narrow, Medium, and Wide
- Designed for ceiling thickness up to 1/2".
- All results are according to IESNA LM-79-2008 : Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The US. Department of Energy (DOE) verifies product test data and results. LED chips provided with fixtures are in compliance with LM80.
- Optional Lutron Hi-lume A-Series, LED drivers and EcoSystem 5-Series LED drivers are available. Lutron drivers provide flicker-free, smooth, continuous dimming down to 1% for Hi-lume and 5% for EcoSystem. (Contact factory for dimming system requirements)
- Listing: CSA us

Test Specification			
MAL202-ST-xx-830-Z-WH-WH-M			
LED Quantity	1EA (COB)		
Input Voltage	120V-277VAC		
Wattage (+/-5%)	<b>10W</b>	<b>15W</b>	<b>23W *</b>
Lumen (+/-5%)	970	1,350	2,208
Efficacy (LPW) (+/-5%)	97	90	96
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K		
CRI (Typical)	80, 90		
Dimming	Triac, ELV & 0-10V Dimming Optional Lutron Drivers		
LED Module	5 yr or 50K hr		
Environment	Indoor, Damp		

\*23W DLED Housing Only

**Trims :** Various trims for straight down lights (-ST), Adjustable (-AJ)



**MTL-202-ST**

- Straight fixed lamp
- Included "Solite" soft focus lens.



**MTL-202-AJ**

Adjustable 0~30° tilt

## Ordering Information (Consult Factory for Availability and Lead Times)

Housing	LED Trim / Module	- Watts	- CRI	Color Temp.	Driver**	- Finish	- Beam Angle
<b>MAL202</b> = 2" Square IC Housing	<b>MTL-202-ST</b> = Straight <b>MTL202-AJ</b> = Adjustable	<b>-10</b> = 10W <b>-15</b> = 15W <b>-23</b> = 23W*	<b>- 8</b> = 80 <b>- 9</b> = 90	<b>27</b> = 2700K <b>30</b> = 3000K <b>35</b> = 3500K <b>40</b> = 4000K	<b>Z</b> = 120-277V, with Triac, ELV & 0-10V Dimming  ** Optional Emergency for Non-IC Only <b>-EM</b> = Emergency Battery Backup	<b>- Reflector</b>  <b>- WH</b> = White <b>- CH</b> = Chrome <b>- BRZ</b> = Bronze <b>- BK</b> = Black	<b>- Trim</b>  <b>- WH</b> = White <b>- CH</b> = Chrome <b>- BRZ</b> = Bronze <b>- BK</b> = Black
<b>MAL2021</b> = 2" Square Non-IC Housing					<b>** MAL21Housing only. Must have access above ceiling space for maintenance</b>		<b>- N</b> = Narrow <b>- M</b> = Medium <b>- W</b> = Wide

Example : **MAL202 MTL202-ST-10-830ZTD1-WH-WH-M** \*