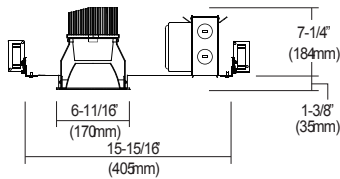


# MAL61

6" Non-IC Architectural LED Downlight



**MAL61**  
[Non-IC Rated Housing]



Ceiling Cut-out : 6-1/2" (162mm)  
Mounting Frame : 15-15/16" (405mm) x 11-3/8" (289mm)

Catalog		Type
Project		Date
Prepared		

Test Specification				
MTL6ST-xx-830-WH-WH				
LED Quantity	1 EA (COB)			
Input Voltage	120V or 277V			
Wattage (+/-5%)	14W	23W	30W	45W
Lumen (+/-5%)	1358	2,185	2,790	4,050
Efficacy (LPW) (+/-5%)	97	95	93	90
Luminaire Beam	24°	35°	34°	35°
CCT (Color +/-5%)	2700K, 3000K, 3500K, 4000K			
CRI (Typical)	80, 90			
Dimming	0~10V, ELV & TRIAC Optional Lutron Drivers			
LED Module	5 yr or 50K hr			
Environment	Damp Location & *optional Wet Location			

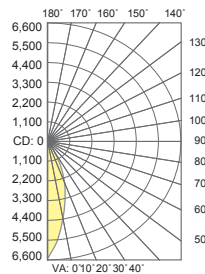
## Design Features

- Interchangeable reflectors to achieve different beam distributions.
- Trims for straight downlight, adjustable and wall wash application.
- Sloped angle cut reflectors for directional adjustment of different beam spread reflector on LED light engines.
- 0~30° tilt and 358° rotation with positive locking.
- Dimming capability is standard with 0-10V dimmer switches.
- 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)
- Certified to IESNA LM-79: Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results. LED chip sets are in compliance with LM80.
- cETLus Listed.

## PHOTOMETRIC REPORT\*

\* Contact Factory for IES File

### Polar Candela Distribution



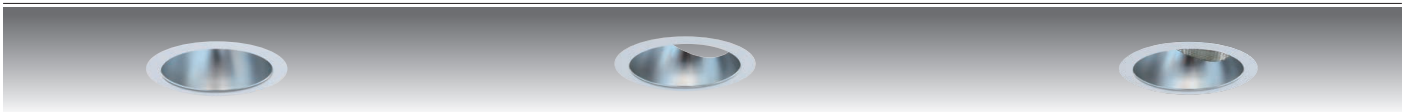
[MTL6-ST-23-830]

### Illuminance at a Distance

Center Beam FC	Beam Width
1,632.2 f	1.2 f
408.1 f	2.5 f
181.4 f	3.7 f
102.0 f	4.9 f
65.3 f	6.1 f
45.3 f	7.4 f

Beam Spread: 34

**Trims :** Various finishes available for straight (ST), Adjustable (AJ) and wall wash (WW) down lights.



### MTL6-ST

Open straight reflector cone, with beam spread 60° FLD.

### MTL6-AJ

Accurate vertical & horizontal aiming through the aperture from below ceiling.

### MTL6-WW

Slope angled reflector with spread lens for wall wash, sloped ceilings and wet location applications. Different distributions are achieved from upper reflectors: Narrow 24°, Medium 38° and Wide 60°.

## Ordering Information

Housing	-Wattage	-CRI	Color Temp. **	Driver*	Voltage*	Trim/LED Kit*	Beam Angle	-Finishes**
MAL61	-14 = 14W -23 = 23W -30 = 30W -45 = 45W	-8 = 80 -9 = 90	27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K	Z10 = 120/277V, 0-10V Dimming Z = 120/277V, Tri-Mode (0-10V/Triac/ELV) LUTRON LDE1 = Hi-lume 1% EcoSystem Fade To Black Dimming LTE = Hi-lume 1% 2-Wire Dimming 120V PEQ01 = Hi-lume Premier 0.1% EcoSystem Fade To Black Dimming (For 23W or less only) * Option : Emergency (Non-IC only) -EM = Emergency Battery Backup	1 = 120V 2 = 277V	MTL6-ST = Straight MTL6-AJ = Adjustable MTL6-WW = Wall Wash * - Option: Sealed Lens -WRL = Wet Location	Upper Reflector: N = Narrow 24° M = Medium 38° W = Wide 60°	Reflector: -WH = White -HC = Haze Clear Trim: -WH = White -BK = Black

Example : MAL61-23-830-ZTD-277

MTL6-AJ-W-HC-WH

\*\* Consult factory for other Color Temperatures and Finishes