



ML2

**LED MODULINEAR
NEW CONSTRUCTION**

Type	
Project	
Catalog No.	



DESCRIPTION

High-output, dimmable, recessed downlights with multiple lighting options, and the ability to aim practically anywhere below the ceiling. With a high CRI option of 93, these fixtures are suitable for high-end residential, upscale retail spaces, offices, galleries, and museums.

FEATURES


- Innovative aim adjustment mechanism and 1" extendable arms enable 365° rotation, 45° tilt, and elimination of dark spots and cut-off.
- Both accessory lenses and reflectors are field-replaceable, enabling last minute changes to the lighting layout.
- Multiple dimming options.
- Fixture can easily be installed by one person, thus reducing labor costs.
- IC Rated
- Integral thermal protector to sense over-temperature or internal failure
- Fits up to 2" ceiling depth

LUMEN DATA

	CCT	Lumens	Efficacy (lm/W)
1 Light	3000K	900	52
2 Light	4000K	2134	67.1
3 Light	4000K	3211	67.5
4 Light	4000K	3913	64.1

* Exceeding the operating temperature values may damage the LEDs by reducing the lifespan, lumen output, and adversely impact color consistency. It is recommended adequate airflow and heatsinking be taken into consideration in the installation and application of this product. Improper thermal management may lead to premature product failure and void the warranty.

SPECIFICATION

Model	ML2
Description	LED Recessed Downlight
Configuration	1LT, 2LT, 3LT, 4LT
Input Voltage	120 / 277 VAC 50/60Hz
Input Wattage	15W per head
CCT	2700K / 3000K / 3500K / 4000K
Lumens	1000 lm per head @ 4000K CCT
Efficacy	67 lm/W
CRI	80+, 93+
Dimmable	Triac, ELV, 0-10V
Beam Angle	16°, 28°, 42°
Lamp Life	50,000 hours
LED	3-Step MacAdam COB
Environment	Indoor - Dry, Damp
Certifications	 UL Listed, IC RATED
Warranty	5 Years – see published warranty terms for detailed information.

CONSTRUCTION

Housing, junction box & trim flange are all made of steel and treated for protection against corrosion. 3/4" flange combined with "pull-tight" torsion springs allows forgiveness in minor dry wall cutting errors. Housing vent slots provides exceptional thermal management for long operation life. LED module and driver are designed as a single unit separable from main housing for ease of maintenance. Does not require removal of luminaire.

MOUNTING

Adjustable housing depth for use in 1/2" to 2" thick ceiling. Included butterfly brackets allow the use of conduit, HB or FB bar stock or "C" channel bars.

ELECTRICAL

Junction box is UL Listed for a maximum of 6 12AWG through branch circuit conductors suitable for 90°C. All primary wiring is minimum 18AWG, with a minimum rating of 300V, 105°C. All secondary wiring is minimum 24AWG. UL listed quick disconnect facilitates safe and simple servicing of driver and LED unit. Push in wire connectors included.



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6/22/2017

Specifications subject to change without notice.



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ORDERING INFORMATION

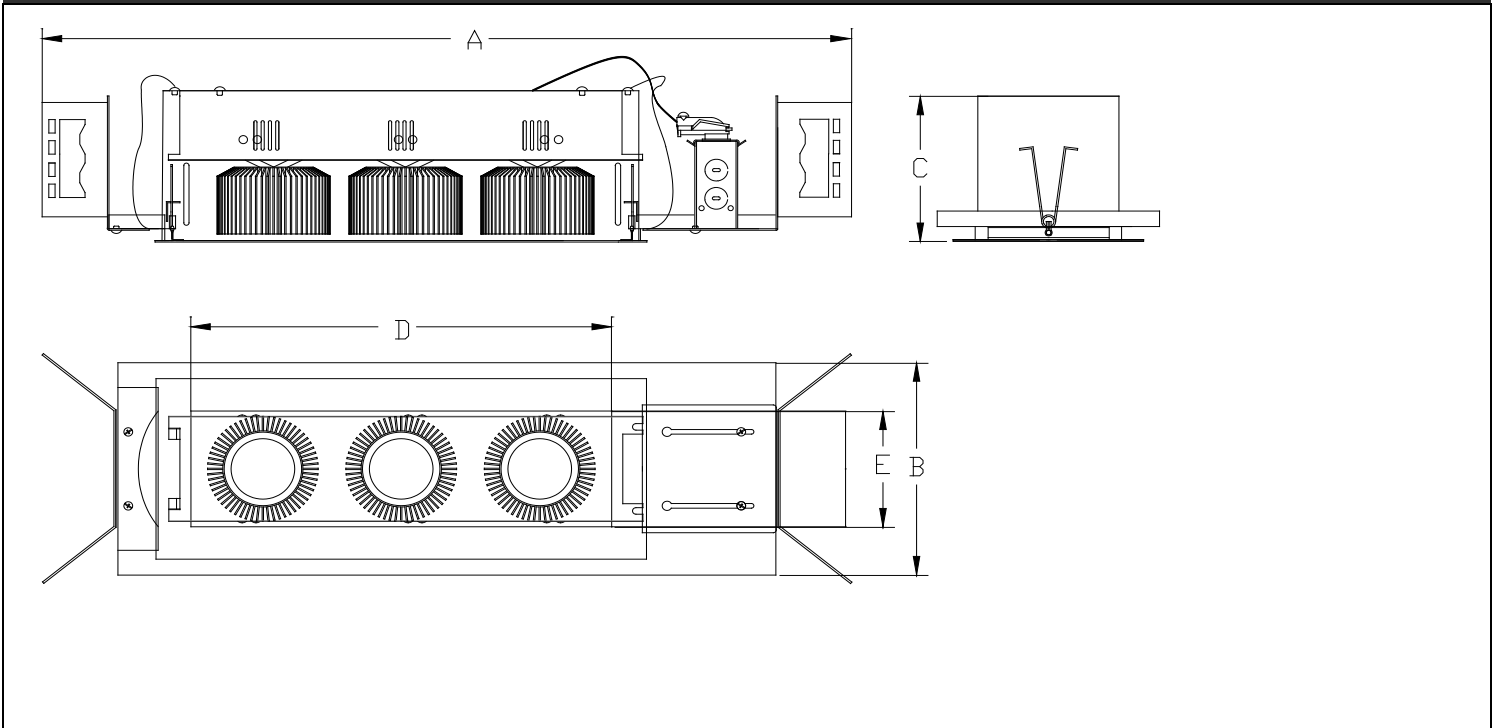
MODEL	# OF MODULE	INPUT VOLT	CCT/CRI	BEAM SPREAD	HOUSING/MODULE	TRIM TYPE & FINISH
ML2						
ML2	1 – 1-light	1 – 120V	2793 – 2700K / 93	N – 16°	HBMB – Black Hsg / Black Module	FW – White ¾" Flange
	2 – 2-light	2 – 277V	3080 – 3000K / 80	M – 28°	HWWW – White Hsg / White Module*	FB – Black ¾" Flange
	3 – 3-light		4080 – 4000K / 80	W – 42°		FS – Silver ¾" Flange
	4 – 4-light		3093 – 3000K / 93			TW – White Trimless
			3580 – 3500K / 80			
			3593 – 3500K / 93			

Example:
ML23-13080N-HBMB-FB (ML2 / 3LT – 120V / 3000K / 80 CRI / 16° Beam – Black Housing / Black Module – Black Flange)

*White Module has a clear anodized aluminum head. Black Module has a black anodized aluminum head.

- Note:**
- Fixtures are sold with **Clear** lenses standard
 - For 0-10V dimming, the insulation on the two extra dimming conductors (by others) going through the armored cable from the fixture wiring box to the fixture has to be rated for at least 300V AC.

FIXTURE DIMENSIONS



	HOUSING			APERTURE		CUT-OUT	
	A	B	C	D	E		
1LT	11 1/2"	6 3/4"	5 1/2"	4 1/2"	3-1/2"	6 1/4"	4 1/2"
2LT	15 3/8"	6 3/4"	5 1/2"	8 1/4"	3-1/2"	10 1/4"	4 1/2"
3LT	19 1/4"	6 3/4"	5 1/2"	12 1/4"	3-1/2"	14 1/4"	4 1/2"
4LT	23 1/4"	6 3/4"	5 1/2"	16 1/4"	3-1/2"	18 1/4"	4 1/2"



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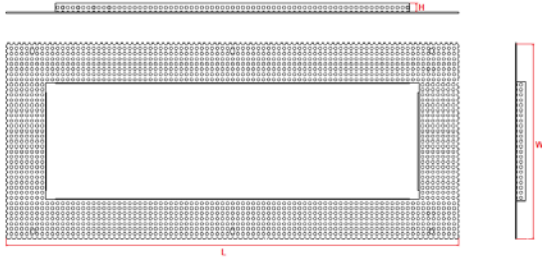
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TRIMLESS INSERT

1mm thick steel with perforation. White painted finish.



FIXTURE	PART NUMBER	TRIMLESS INSERT DIMENSIONS			CUT-OUT	
		L	W	H	L	W
1LT	MG16TL1	9-1/2"	7-1/2"	3/8"	6-1/2"	4-5/8"
2LT	MG16TL2	13-3/8"	7-1/2"	3/8"	10-3/8"	4-5/8"
3LT	MG16TL3	17-3/8"	7-1/2"	3/8"	14-3/8"	4-5/8"
4LT	MG16TL4	21-3/8"	7-1/2"	3/8"	18-3/8"	4-5/8"

COMPATIBLE DIMMERS

Phase Cut Dimmers (120 VAC Nominal Line)

Cooper, Aspire Series (P/N 9530XXX)

- Leviton, Trimatron Series (P/N 6602-X, 6681-X, 6683-X, 6684-X, 700-X, 705-X)
- Leviton, SureSlide Series (P/N 6631)
- Leviton, True Touch Series (P/N 6606-1LM)
- Lutron, Skylark Series (P/N s-600, S2-LH)
- Lutron, Maestro Series (P/N MAW-600)
- Lutron, Diva Series (P/N DVCL-153)

Phase Cut Dimmers (277 VAC Nominal Line)

Lutron Diva DVSTV (0-10V adjustable)

ELV Dimmers (120 VAC Nominal Line)

- Lutron, Nova T Series (P/N NTELV-600)
- Lutron, Faedra (P/N FAELV-500-XX)
- Leviton, Acenti (P/N ACE06-XXX)
- Leviton, Vizia (P/N VZE04)

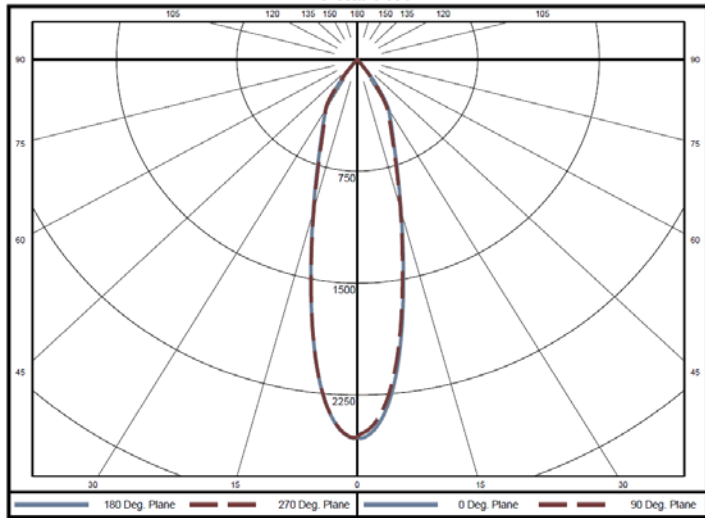
0-10V Dimmers

Lutron, Nova Series (P/N NFTV)

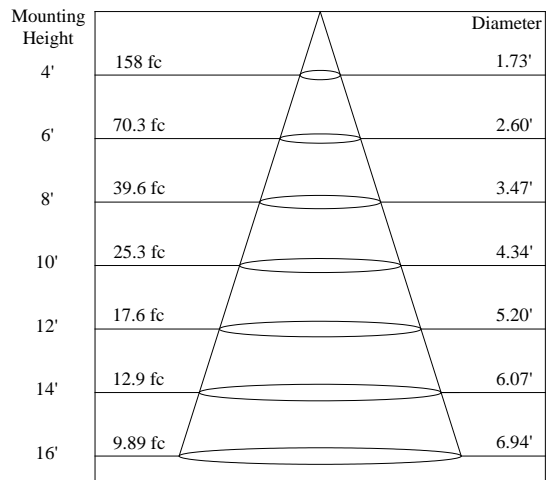
PHOTOMETRIC INFORMATION

1LT FIXTURE – 3000K / 80 CRI / 28° BEAM ANGLE

POLAR PLOT



CONE DIAGRAM

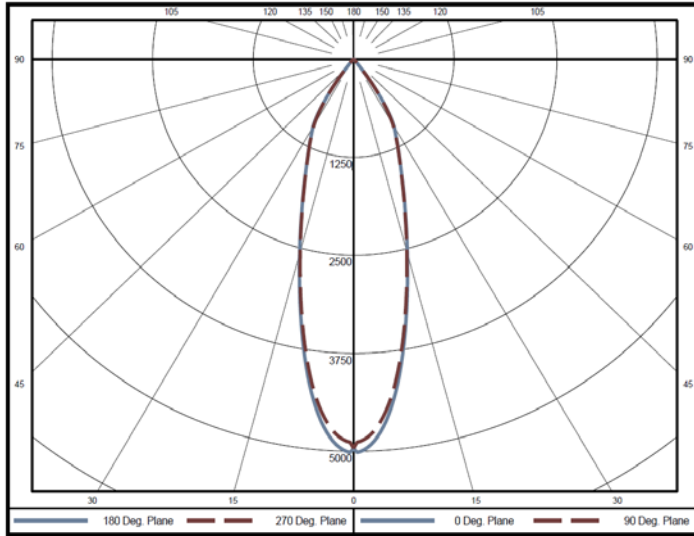




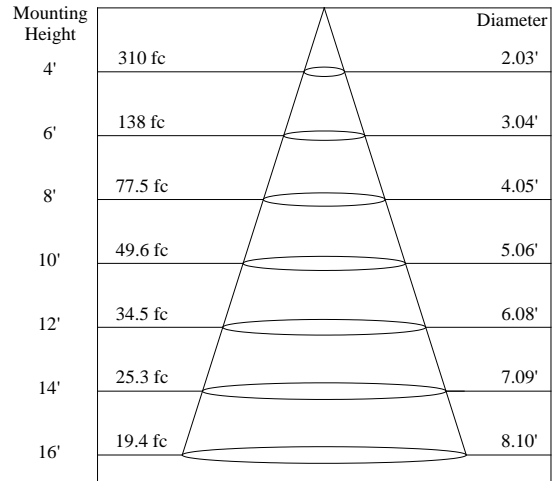
Type	
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2LT FIXTURE – 4000K / 80 CRI / 28° BEAM ANGLE

POLAR PLOT

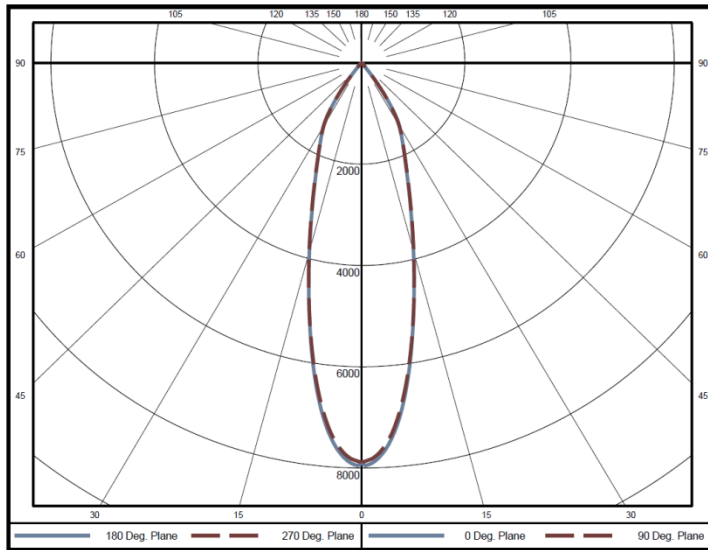


CONE DIAGRAM

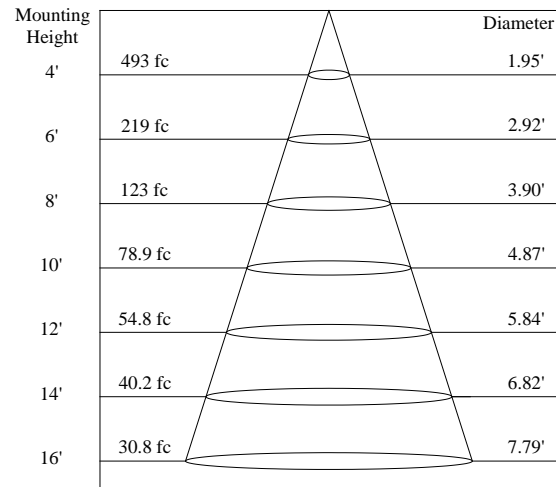


3LT FIXTURE – 4000K / 80 CRI / 28° BEAM ANGLE

POLAR PLOT



CONE DIAGRAM

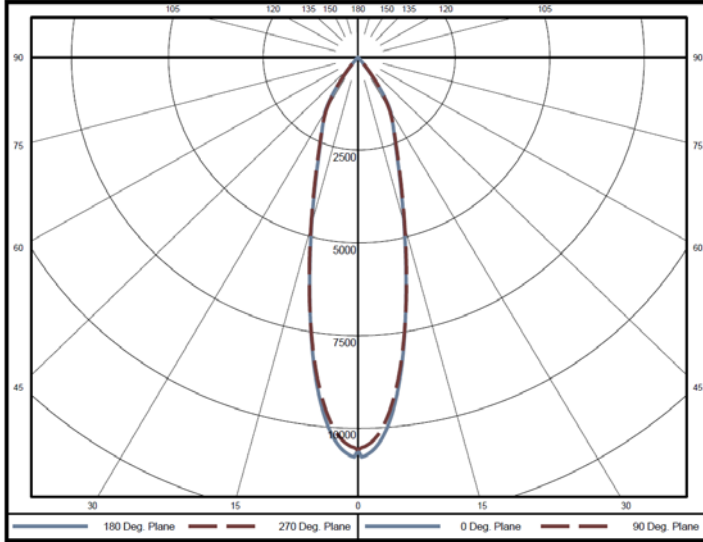




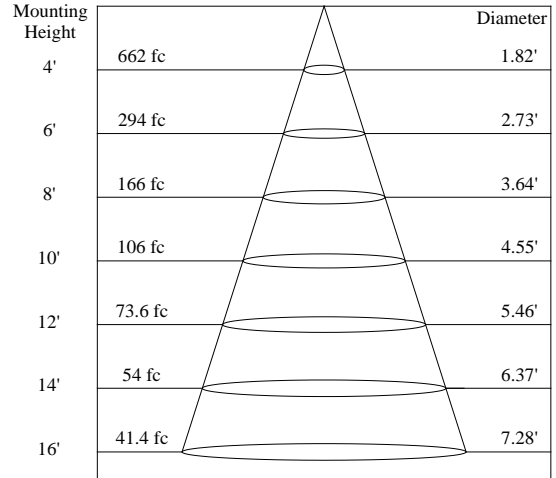
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4LT FIXTURE – 4000K / 80 CRI / 28° BEAM ANGLE

POLAR PLOT



CONE DIAGRAM



[Photometric Downloads](#)

FIXTURE ACCESSORIES

	Part Number	Description
	REF-SN-L-C12476 REF-SM-L-C12477 REF-SW-L-C12478	<u>Reflector Options (Field Changeable)</u> 16° Reflector 28° Reflector 42° Reflector
	LENS-16-HCOM LENS-16-FROS LENS-16-SOFT LENS-16-PRIS LENS-16-LINR	<u>Accessories (Ordered Separately, Field Changeable)</u> Honeycomb Louver Frosted Diffuser Softening Diffuser Prismatic Diffuser Linear Diffuser
	LENS-16-RD LENS-16-BU LENS-16-YW LENS-16-GN	<u>Colored Lenses (Ordered Separately, Field Changeable)</u> Red lens Blue Lens Yellow Lens Green Lens
	RSCHB	<u>C-Channel hanger bar</u> (Set of 2)