

Medical Round Domes: ML-RDLP-LED

2FT, 3FT, 4FT Recessed Sealed Round Domes

- Available in 2ft, 3ft, and 4ft sizes
- Shallow depth less than 4.5"
- Indirect and Backlit design allow for a uniform appearance with reduced lamp image
- IP65 Rated & Suitable for Wet Locations
- Suitable for ISO5-9 Cleanrooms
- Recessed housing for Hardlid or Lay-in Grid installations
- Extruded aluminum door frame design with torsion spring securement
- Available with Low Voltage Controller
- Available with line voltage RFI Filtering
- BAA Compliant and Made in USA by a family owned US corporation



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ORDERING GUIDE

Series	Size	LED Type	CCT/CRI	Voltage	Circuit	Optics	Options
ML-RDLP		LEDR					
Series	Size	LED Package	CCT/CRI	Voltage	Circuit	Optics	Options
ML-RDLP	20 NOMINAL 2FT	LEDR Static White LED	80+ CRI	UNV 120-277 VAC	1C SINGLE CIRCUIT	CC 1/8" WHITE ACRYLIC CONCAVE LENS	FC FUSE AND FUSE HOLDER
	30 NOMINAL 3FT	Consult factory for other options	830 3000k	347 347 VAC	2C DUAL CIRCUIT	CV 1/8" WHITE ACRYLIC CONVEX LENS	EM10 10W INTEGRAL EMERGENCY BATTERY
	40 NOMINAL 4FT		835 3500k			125FFP 1/8" FLAT FROSTED POLYCARBONATE	PXL PROGRAM TO USER SPECIFIED LUMEN VALUE
			840 4000k			187FFP 3/16" FLAT FROSTED POLYCARBONATE	PXW PROGRAM TO USER SPECIFIED WATTAGE VALUE
			850 5000k			250FFP 1/4" FLAT FROSTED POLYCARBONATE	10KV 10KV PARALLEL SURGE PROTECTOR
						125FFA 1/8" FLAT FROSTED ACRYLIC	LVC LOW VOLTAGE CONTROLLER
			90+ CRI				AMW ANTIMICROBIAL WHITE POWDERCOAT
			927 2700k				NL500 500LM 90 CRI 2700k NIGHT LIGHT
			930 3000k				RFI MIL-STD-461 RFI FILTER (1 PER CIRCUIT)
			935 3500k				
			940 4000k				

Ordering Notes, If Applicable

*Must specify luminaire quantity in each row

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SPECIFICATIONS

HOUSING: Lapped and spot welded 20 ga. CRS construction. Designed for installation Plaster or Drywall ceilings before ceiling closure and in T-bar grid systems. Note: Due to the nature of a circular aperture and the square housing, this fixture must be installed before ceiling closure. Consult factory for other sizes.

DOOR FRAME: One piece extruded aluminum frame with 90 degree return for easy crevice free cleaning. Frame is secured to housing with Torsion springs to allow for tool free access and no exposed fasteners.

GASKETS: Door frame provided with factory installed gasket on the flange to seal off the room.

LENS: Lens is mechanically secured to frame and is sealed with a security grade sealant to prevent ligature. Available in a Concave or Convex 1/8" Acrylic or a flat polycarbonate up to 1/4" thick.

LEDS: Available in both 80 & 90 CRI and a wide range of color temperature options. LED placement combined with reflector system allows both direct and indirect lighting which allows uniform and efficient illumination. Consult factory for options not shown.

ELECTRICAL: Standard Universal Voltage Class 2 Drivers are dimmable down to 1% via 0-10v dimming. Available in either Single Circuit (1C) or Two Circuit (2C) switching. note that 2C option allows exam (direct) and ambient (indirect) illumination. Night Light option will provide another dedicated switched circuit with a 2700K cct light. See option for available Emergency Batteries, surge protection, Filtering, or factory installed Low Voltage Controllers.

INSTALLATION: Suitable for recessed installation into covered ceilings. Provided with 3/8" diameter mounting holes for threaded rod installation to decking above (hardware by others). Confirm ceiling compatibility with dimensioned drawings below. Note that the fixture must be installed prior to hanging the ceiling.

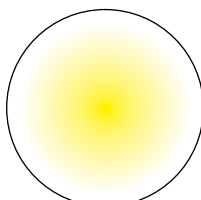
FINISH: All materials are provided with gloss high reflectance white polyester powder coat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat on the door frame.

LISTINGS: IP65 Rated for dust and water ingress. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. Suitable for Wet Locations.

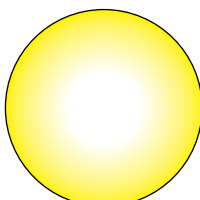
ENERGY DATA

RDLP ROUND DOME ESTIMATED ENERGY DATA											
SIZE	LENS	EXAM 80+ CRI			AMBIENT 80+ CRI			EXAM + AMBIENT 80+ CRI			
		LM	W	LM/W	LM	W	LM/W	LM	W	LM/W	
RDLP20	CC	2578	34.5	75	1451	21.5	68	4002	56	71	
RDLP20	CV	2615	34.5	76	1456	21.5	68	4041	56	72	
RDLP20	FL	3953	34.5	114	2194	21.5	102	6108	56	109	
RDLP30	CC	8183	107	76	2877	42	68	10857	149	73	
RDLP30	CV	8297	107	77	2886	42	69	10961	149	73	
RDLP30	FL	12540	107	117	4347	42	104	16556	149	111	
RDLP40	CC	10205	134	76	3596	53	68	13548	187	72	
RDLP40	CV	10347	134	77	3608	53	68	13679	187	73	
RDLP40	FL	15638	134	117	5434	53	103	20660	187	110	

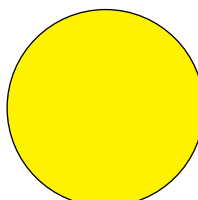
NOTE: USE LUMEN MULTIPLIER OF .95 FOR 90 CRI



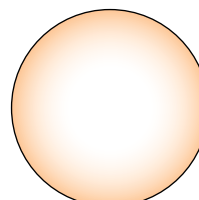
EXAM MODE



AMBIENT MODE



EXAM + AMBIENT MODE



NIGHT LIGHT MODE

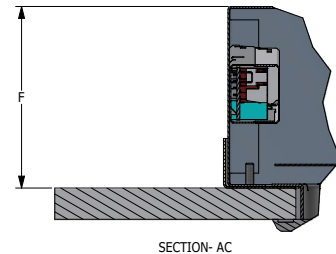
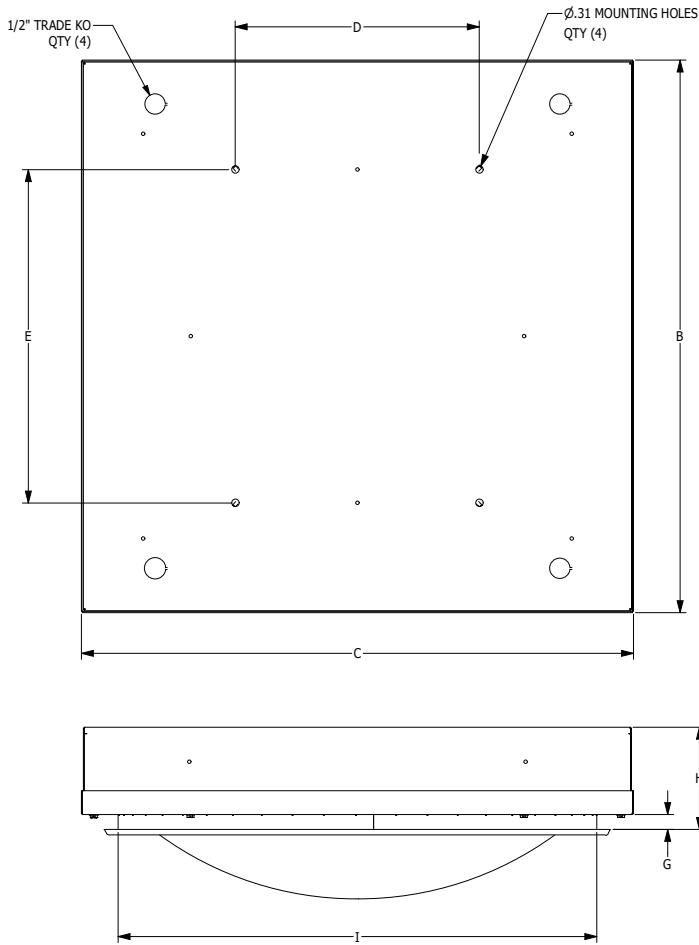
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ROUND DOME REFERENCE DIMENSIONS									
SIZE	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I
20	20.25"	23.19"	23.19"	10.25"	14.00"	3.66"	0.62"	4.31"	20.10"
30	37.12"	41.84"	41.84"	19.50"	19.50"	3.66"	0.62"	4.31"	36.93"
40	42.94"	47.63"	47.63"	23.50"	23.50"	3.66"	0.62"	4.31"	42.79"

NOTE TO INSTALLER:

SINCE THE FIXTURE BODY IS LARGER THAN THE CEILING CUTOUT, THE FIXTURE MUST BE INSTALLED PRIOR TO HANGING THE GRID OR INSTALLING THE DRYWALL CEILING.



DRYWALL SECTION VIEW

