

Cleanroom Round Domes: KL-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
- BAA Compliant and Made in USA by a family owned US corporation
- Night light option available



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ORDERING GUIDE

Series	Size	LED Type	CCT/CRI	Voltage	Circuit	Optics	Options
KL-RDLP		LEDR			1C		
Series	Size	LED Package	CCT/CRI	Voltage	Circuit	Optics	Options
KL-RDLP	20 NOMINAL 2FT	LEDR Static White LED Consult factory for other options	80+ CRI	UNV 120-277 VAC	1C SINGLE CIRCUIT	CC 1/8" WHITE ACRYLIC CONVEX LENS	FC FUSE AND FUSE HOLDER
	30 NOMINAL 3FT		830 3000k	347 347 VAC		CV 1/8" WHITE ACRYLIC CONCAVE LENS	EM10 10W INTEGRAL EMERGENCY BATTERY
			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 WAITAGE VALUE
			850 5000k			250FFP 1/4" FLAT FROSTED POLYCARBONATE	10KV 10KV PARALLEL SURGE PROTECTOR
	40 NOMINAL 4FT		90+ CRI	125FFA 1/8" FLAT FROSTED ACRYLIC		AMW ANTIMICROBIAL WHITE POWDERCOAT	
			927 2700k			NLS00 500LM 90 CRI 2700k NIGHT LIGHT	
			930 3000k				
			935 3500k				
			Consult factory for other sizes			940 4000k	

Ordering Notes, If Applicable

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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. Night Light option will provide another dedicated switched circuit with a 2700K cct light. See option for available Emergency Batteries & surge protection.

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 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 ISO 5-9 Cleanrooms.

ENERGY DATA

RDLP ROUND DOMES ESTIMATED LUMEN DATA								
SIZE	LENS	80+ CRI			90+ CRI			
		LM	W	LM/W	LM	W	LM/W	
RDLP20	CC	4002	56	71	3802	56	68	
RDLP20	CV	4041	56	72	3839	56	69	
RDLP20	FL	6108	56	109	5803	56	104	
RDLP30	CC	10857	149	73	10314	149	69	
RDLP30	CV	10961	149	73	10403	149	70	
RDLP30	FL	16556	149	111	15728	149	106	
RDLP40	CC	13548	187	72	12871	187	69	
RDLP40	CV	13679	187	73	12995	187	69	
RDLP40	FL	20660	187	110	19627	187	105	

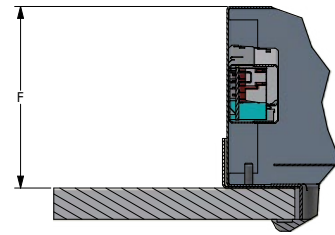
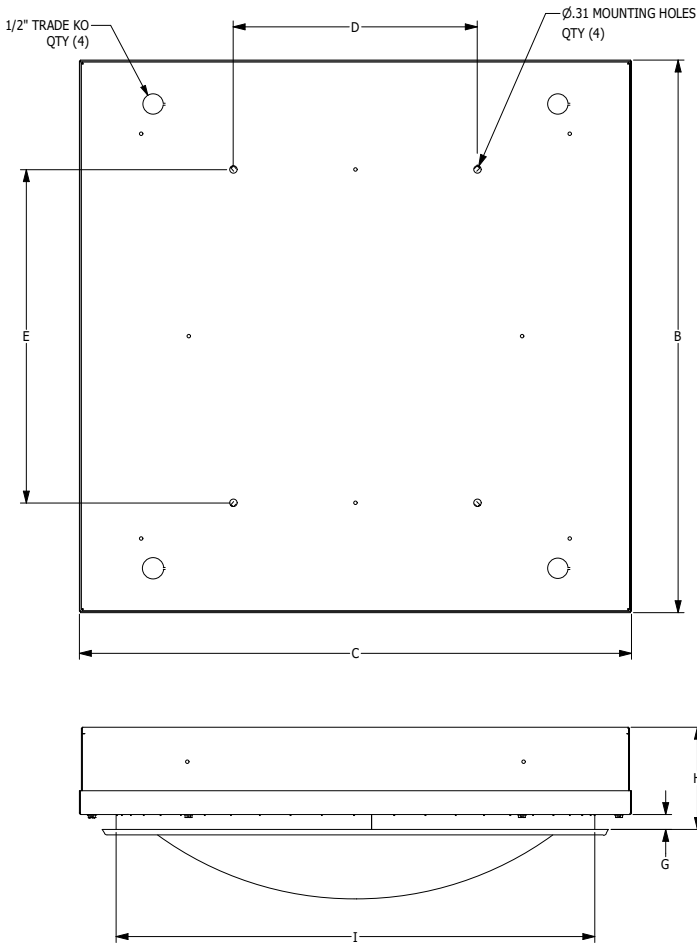
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ROUND DOME REFERENCE DIMENSIONS									
SIZE	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM I
20	20.25"	23.19"	23.19"	10.25"	14.00"	3.66"	0.62"	4.31"	20.10"
30	37.12"	41.84"	41.84"	19.50"	19.50"	3.66"	0.62"	4.31"	36.93"
40	42.94"	47.63"	47.63"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

