

# Behavioral Health Round Domes: BH-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
- Recessed housing for Hardlid or Lay-in Grid installations
- Anti-Ligature extruded aluminum door frame design with Flush Captive Torx Fasteners
- Designed for use in Behavioral Health applications.
- BAA Compliant and Made in USA by a family owned US corporation
- Available in single or multi-function switching (exam,ambient,night)



DISCLAIMER: Although KURTZON has prepared the information contained in this document with all due care, KURTZON does not warrant or represent that the information is free from errors or omission. Whilst the information is considered to be true and correct at the date of publication, changes in circumstances after the time of publication may impact on the accuracy of the information. The information may change without notice and KURTZON is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

## ORDERING GUIDE

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

Ordering Notes, If Applicable

# Behavioral Health Round Domes: BH-RDLP-LED

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

## 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. Consult factory for other sizes.

**DOOR FRAME:** One piece extruded aluminum frame with 90 degree return to prevent ligation. Designed to be Mechanically secured to housing with Torx countersunk screws to reduce risk of tampering.

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

**LENS:** Polycarbonate lens is sealed to door frame with a pick proof security grade sealant and then mechanically secured. Available up to 1/4" thick and provided with a frost overlay.

**LEDS:** 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.

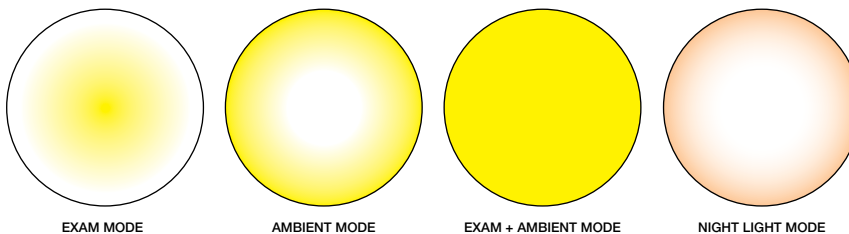
**FINISH:** All materials are provided with gloss high reflectance white polyester powder coat with 1000hr salt spray test per ASTM B117. AMW option provides a white anti-microbial polyester powder coat on the door frame.

**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. Suitable for Behavioral Health Anti-Ligation installations. Suitable for ISO 5-9 Cleanrooms.

## ENERGY DATA

RDLP ROUND DOMES ESTIMATED ENERGY DATA												
SIZE	CIRCUIT	EXAM 80+ CRI			AMBIENT 80+ CRI			EXAM + AMBIENT 80+ CRI				
		LM	W	LM/W	LM	W	LM/W	LM	W	LM/W		
RDLP20	1C	-	-	-	-	-	-	6108	56	109		
RDLP20	2C	3953	34.5	114	2194	21.5	102	6108	56	109		
RDLP30	1C	-	-	-	-	-	-	16556	149	111		
RDLP30	2C	12540	107	117	4347	42	104	16556	149	111		
RDLP40	1C	-	-	-	-	-	-	20660	187	110		
RDLP40	2C	15638	134	117	5434	53	103	20660	187	110		

NOTE: USE LUMEN MULTIPLIER OF .95 FOR 90 CRI



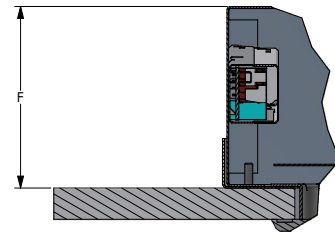
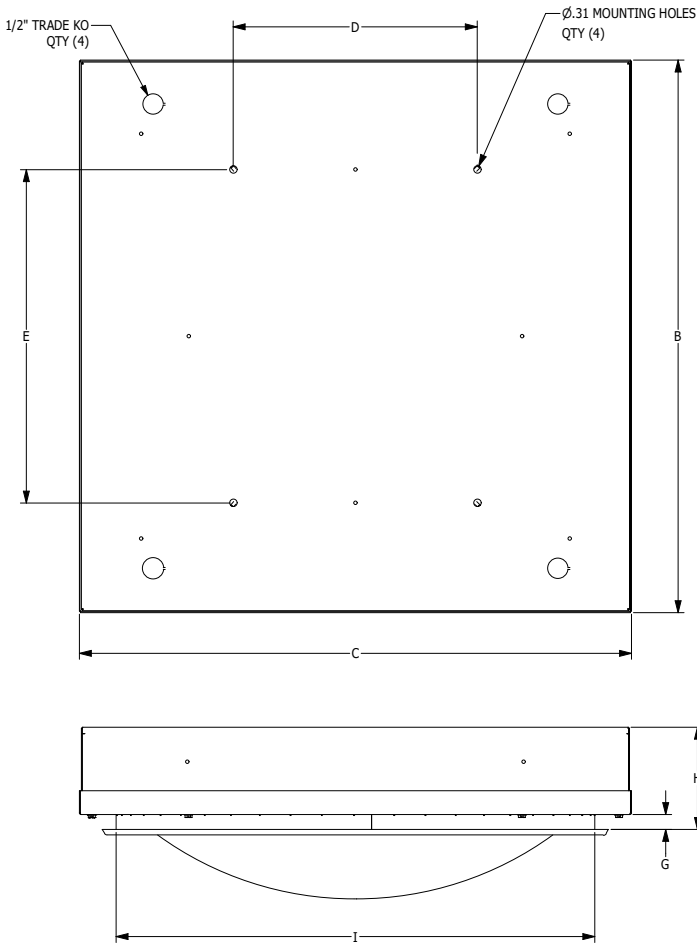
# Behavioral Health Round Domes: BH-RDLP-LED

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

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**

