

Behavioral Health Indirect Basket Troffers

Ligature Resistant 1x4, 2x2, and 2x4 LED Basket Luminaires for Behavioral Health Applications

- **IP66 Rated**
- **Indirect Basket for Even Illumination**
- **Ligature Resistant Heavy-Gauge Overlapping Door Frame Extends to the Edge of Fixture to Eliminate Gaps.**
- **Polycarbonate Lensing and Tamper-Resistant Fasteners Standard**
- **0-10V Dimming Down to 1% Standard**
- **Recessed Housing Suitable for Grid or Flange Installation.**
- **B.A.A. & B.A.B.A Compliant & Made in the USA by a Family Owned US Corporation**



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ORDERING GUIDE

Series	Material	Size	Row Qty.	LED Type	CCT/CRI	Voltage	Optics	Options
BHO-RB								
Series	Material	Size	Light Source			Voltage	Optics	Options
			Row Qty.	LED Type	CCT/CRI			
BHO-RB	1 White 18Ga. CRS Hsg. & White 14Ga. CRS Door	1x4 1' x 4' Housing	2	LEDR	83 CRI:	120V	125P 0.125" Clear Flat Impact Resistant Polycarbonate	SW Wet Location Hub Supplied (not installed)
		2x2 2' x 2' Housing	3	LEDH	830 3500K	277V	187P 0.187" Clear Flat Impact Resistant Polycarbonate	PxL * Programmed to User Specified Lumen Value.
BHO-RB	2 White 18Ga. CRS Hsg. & White 16Ga. 430 SS Door	2x4 2' x 4' Housing			835 3500K	UNV	250P 0.250" Clear Flat Impact Resistant Polycarbonate	PxW * Programmed to User Specified Wattage Value.
					840 4000K			10KV 10KV Parallel Surge Protection (One Supplied Per Circuit)
					850 5000K			WHIP Must Specify Length and Wire Qty
					90+ CRI:			FC Fuse & Holder (One Supplied Per Circuit)
					935 3500K			EM10 10W Integral LED EM (Specify Input Voltage)
					940 4000K			TPWHT : White Painted Torx Tamperproof Fasteners
					950 5000K			WHT White Finished Door
								AMW Anti-Microbial White Powdercoat
								2/ED Two Drivers/Two Circuits
								EM20 20W Remote LED EM (Specify Input Voltage)
								GTD Generator Transfer Device
								GG 1/8" Thick Grid Gasket (Provided Loose)

NOTE: Additionally available in 95+ CRI with Seoul Sun-Like LEDs. Consult factory for more information.

Note*: Specify Value in Ordering Notes

Ordering Notes, If Applicable

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SPECIFICATIONS

HOUSING: One piece, hole free, robotically seam welded housing has flattened, knockouts for a superior seal. Housings are available in 18Ga. Cold Rolled Steel with White Powdercoat finish.

DOOR FRAME: One piece heavy gauge overlapping door frame is available in either 14Ga Cold rolled steel or 16 Ga 430 Stainless Steel. Mechanically secures to housing using captive flush head torx tamper resistant fasteners, and hinged to housing by use of steel aircraft cables. The frame has a confinement grade construction extending to the edge of housing to prevent access to any crevices or gaps that could be used to establish ligature.

GASKETS: Closed cell microcellular extruded KleanLock SealPro gasket with vulcanized corners making a one-piece oil and solvent resistant gasket system to block dust and pests from entering the light fixture.

OPTICS: Standard .125" Polycarbonate Lens is provided when no other options are selected. All optics are sealed to the door with NSF listed RTV silicone sealant. Other optics are available, consult factory for more information or options not listed.

LEDS: Commercially available in a wide variety of Color Temperature (CCT), FLUX, and CRI. Highly efficient and consistent color maintained to 3 SDMC for color critical applications. B50/L70 and compliant with Zhaga recognized hole patterns. Consult factory for LED options or configurations not listed below.

DRIVERS: Standard Universal Voltage Class 2 drivers are 0-10v Dimmable to 1% for most LED configurations. They come with at least 2.5Kv surge protection, have less than 10% THD at max load, Ballast Factor Greater than .95 and are programmable to match specific lumen or wattage requirements. Drivers with higher input voltage ratings are available, consult factory for driver specifications.

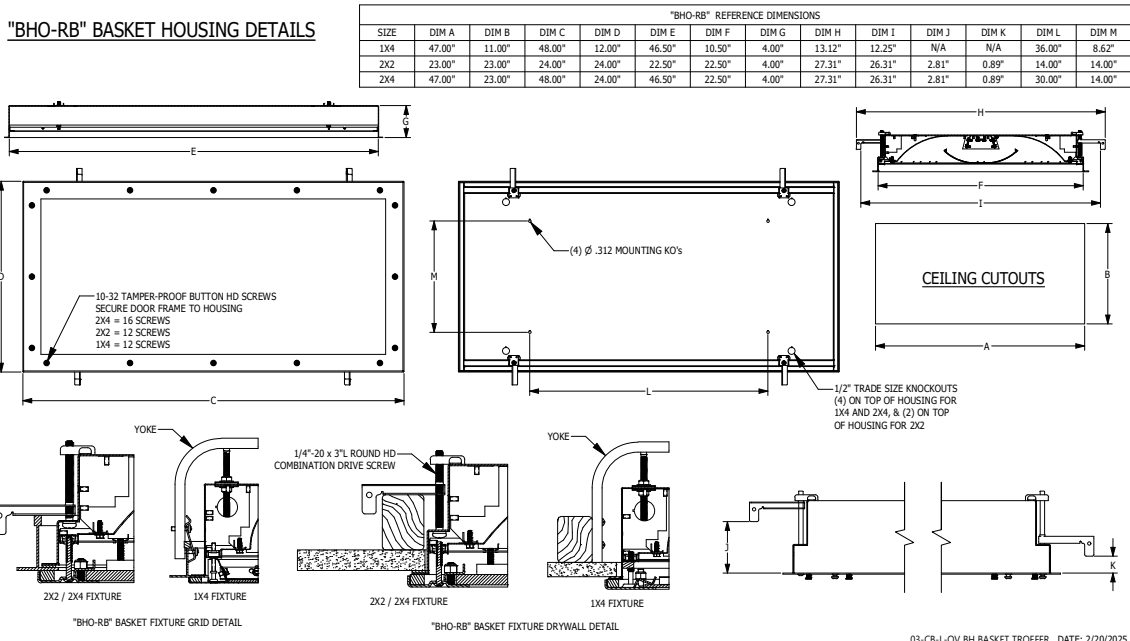
REFLECTOR: Specially designed perforated reflector for indirect even fixture illumination.

INSTALL RECESSED: One fixture suitable for Grid and Flanged installation. The Recessed 2x2 & 2x4 versions install by use of four adjustable swing out toggle arms with holes for seismic support wire attachment. The 1x4 version installs by use of factory provided yoke hanger brackets along with mounting hardware. Supply entry via 1/2" trade size flattened knockouts on the back of the housing. Suitable for recessed Non-IC Installation.

FINISH: Stainless Steel Door frames are Satin polished unless WHT or AMW Options are selected. All other materials are provided with glass high reflectance white polyester powdercoat with 1000hr salt spray test per ASTM B117. AMW option provides a white-microbial polyester powdercoat to all exposed surfaces.

LISTINGS: IP66 rated for dust and water ingress. ETL listed per UL_1598 for wet locations. Chicago Plenum Rated. Drivers and LEDs are covered by a 5 year warranty, the remaining fixture is covered by a 10 year warranty. This product Series is both Build America Buy America (B.A.B.A.) & Buy American Act (B.A.A.) compliant.

PRODUCT DRAWINGS



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ENERGY DATA

INDIRECT OVERLAP-RS-LED TROFFER (APPROX ¹ LUMENS DELIVERED)										
ENCLOSURE SIZE	LIGHT PACKAGE	80 CRI (3000K - 5000K)				90 CRI (3500K, 4000K)				STANDARD DIMMING
		LUMENS ¹	WATTS ²	EFFICACY ³	MAX AMB TEMP	LUMENS ¹	WATTS ²	EFFICACY ³	MAX AMB TEMP ⁴	
1X4	2LEDR	4,084	56	73	40°C (104°F)	3,915	56	70	40°C (104°F)	0-10V 1%
1X4	3LEDR	5,680	83	68	40°C (104°F)	5,445	83	65	40°C (104°F)	0-10V 1%
1X4	2LEDH	6,277	83	75	40°C (104°F)	6,027	83	72	40°C (104°F)	0-10V 1%
1X4	3LEDH	8,731	126	70	35°C (95°F)	8,382	126	67	35°C (95°F)	0-10V 1%
2X2	2LEDR	2,224	28.9	77	40°C (104°F)	2,132	28.7	74	40°C (104°F)	0-10V 1%
2X2	3LEDR	3,250	42.3	77	40°C (104°F)	3,115	41.9	74	40°C (104°F)	0-10V 1%
2X2	2LEDH	3,419	42.2	81	40°C (104°F)	3,282	42.1	78	40°C (104°F)	0-10V 1%
2X2	3LEDH	4,885	62.6	78	40°C (104°F)	4,690	62.5	75	40°C (104°F)	0-10V 1%
2X4	2LEDR	4,659	55.7	84	40°C (104°F)	4,466	55.3	81	40°C (104°F)	0-10V 1%
2X4	3LEDR	6,629	83.4	79	40°C (104°F)	6,354	82.8	77	40°C (104°F)	0-10V 1%
2X4	2LEDH	7,161	83.3	86	40°C (104°F)	6,876	83.1	83	40°C (104°F)	0-10V 1%
2X4	3LEDH	10,698	125.5	85	35°C (95°F)	10,271	125.2	82	35°C (95°F)	0-10V 1%

¹ DELIVERED LUMEN DATA IS ADJUSTED FROM TESTED DATA WITH .125" ACRYLIC LENS

² WATTAGE IS MEASURED WITH 4000K SELECTION @ 120VAC AND Tambient = 25C. WATTAGES MAY VARY WITH ALTERNATE CONFIGURATIONS

³ EFFICACY CALCULATED USING 4000K CCT DATA.

⁴ MAX AMBIENT TEMP RATING, NON-IC INSTALLATION. TEMP RATING MAY VARY WITH SPECIFIED DRIVERS OR ANY NON STANDARD SELECTION