

MEDMASTER® CEILING ROUND TROFFER

Architectural Luminaires for Behavioral Health Applications

BHRT SERIES

- PRODUCT FEATURES:**
- » 24" Round shape provides a differentiated aesthetic to behavioral health lighting applications
 - » Full backlit LED array and high diffusion lens provides uniformly-lit appearance
 - » Continuous lens retention and tamper-resistant fasteners for ligature prevention
 - » Standard IP64 and NSF2 rating
 - » Suitable for recessed drywall/hard ceilings with minimal plenum ingress
 - » Single-function lamping with optional night light and low-voltage controller (LVC)



SPECIFICATIONS

HOUSING: Fabricated 20ga CRS housing with white TGIC polyester powder-coat finish and five-stage pre-treatment. Roll-formed and butt-welded 6063-T5 aluminum extruded collar for door attachment, finished in selected color option using TGIC polyester powder with five-stage pre-treatment.

DOOR ASSEMBLY: Roll-formed and butt-welded 6063-T5 extruded aluminum with TGIC polyester powder-coat finish in selected color, with five-stage pre-treatment. Secured to housing with flush-mounted, color-matched and tamper-resistant Torx fasteners. Closed cell silicone gasketing seals doorframe to housing. High-efficiency diffused, impact-resistant acrylic inner lens with outer .250" clear polycarbonate lens. Continuous lens retention with door frame.

LED MODULE: Serviceable mid-power LED array. Standard 80CRI min. (R9>0) with optional 90CRI min. (R9>50). See Ordering Information for available color temperature options. Optional nightlight in 590nm native amber or 2700K, 80CRI white.

DRIVER: 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable constant-current driver (<20% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); maximum 165 µA maximum source current. Optional eldoLED ECOdrive DALI drivers with 1-100% range.

CONTROLS: Optional LVC and LVCD provides a low-voltage patient interface, controlling the lamp source and optional night light with (LVCD) and without (LVC) dimming control.

INSTALLATION: Suitable for Type-IC recessed ceiling installation into drywall ceilings up to 5/8" thick. External brackets on housing secure luminaire to ceiling structure (mounting hardware by others).

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For detailed photometric information, please visit www.kenall.com.

WARRANTY: Limited five (5) year warranty.

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Type-IC and Wet Location installations. IP64 rating per IEC60598. NSF2 Splash/Non-Food Zone rated. Standard CCEA compliance.



ORDERING INFORMATION (Ex: BHRT-22-F-MW-9-62L-35K8-DIM1-DV-NLW-LVCD)

Model	Size	Ceiling Type	Finish	Outer Lens Type	Lamp Power	Lamp Color	Driver Type	Voltage	Options
BHRT	22	F		9					
Nominal Size 22 2' Diameter				Outer Lens Type 9 .250" Clear Polycarbonate		Driver Type DIM1 0-10V Dimming to 1% with Dim-to-Dark DALI* DALI Dimming to 1% without Dim-to-Dark			
Ceiling Configuration F Drywall Ceiling				Lamp Power 28L 28 Watt LED 38L 38 Watt LED 48L 48 Watt LED 62L 62 Watt LED		Input Voltage DV 120-277VAC, 50/60Hz 347 347VAC, 60Hz			
Finish - Room-Side GW Anti-Microbial Gloss White MW Anti-Microbial Matte White CS Cool Satin Painted Anodized WS Warm Satin Painted Anodized				Lamp Color 30K8 3000K / 80 CRI min. 30K9 3000K / 90 CRI min. 35K8 3500K / 80 CRI min. 35K9 3500K / 90 CRI min. 40K8 4000K / 80 CRI min. 40K9 4000K / 90 CRI min.		Options LEL* Integral 10W Emergency Battery Backup FS Fuse & Holder LVC* Low Voltage Controller (click here for specifications, DIM1 only) LVCD* Low Voltage Controller with Dimming (click here for specifications, DIM1 only) NLW* 2700K White LED Night Light NLA* Amber LED Night Light			

* n/a with 347V

ACCESSORIES ORDERED SEPARATELY
MPWS Low Voltage Wall Switch (Click [here](#) for Specifications)



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For additional photometry, go to www.kenall.com

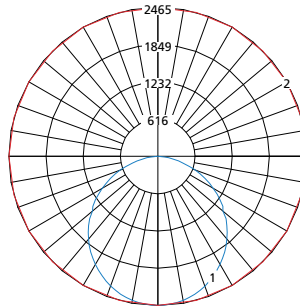
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PERFORMANCE

Lens Type	Lamp Power	Initial Delivered Lumens, By Lamp Color						Efficacy (lm/W)	Input Power (W)	TM-21 Reported L70 (hrs)
		30K8	30K9	35K8	35K9	40K8	40K9			
9	28L	3,150	2,650	3,193	2,693	3,302	2,780	90 - 112	30	>72,000
	38L	4,308	3,624	4,367	3,684	4,515	3,802	89 - 110	41	
	48L	5,259	4,425	5,332	4,497	5,513	4,642	87 - 108	51	
	62L	6,616	5,567	6,708	5,658	6,936	5,841	83 - 104	67	

Information subject to change without notice. Visit www.kenall.com for .ies files and additional information

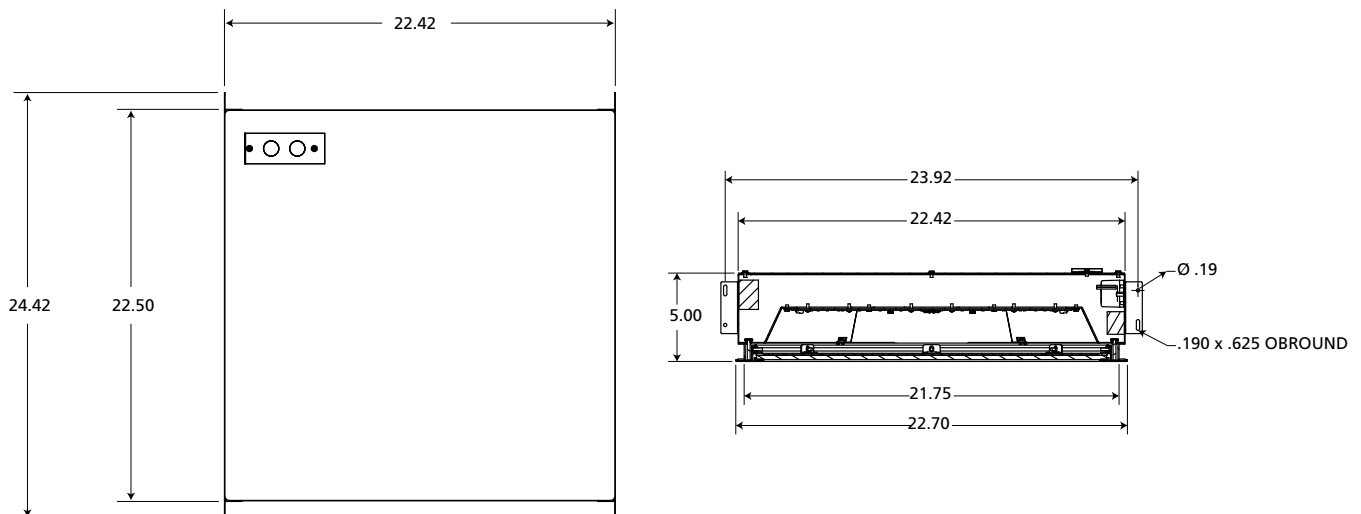
Model: BHRT-22-F-tt-9-62L-40K8-DIM1-DV



Maximum Candela = 2465 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

DIMENSIONAL DATA



www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA
This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2024 Kenall Mfg. Co.

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