

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

\* n/a with 347V

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



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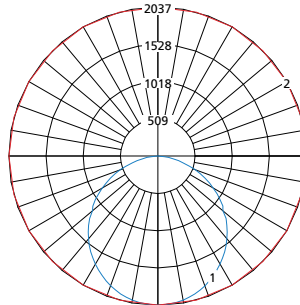
## BHRT SERIES

### 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			
G	28L	3,325	2,797	3,370	2,843	3,485	2,935	94 - 118	30	>72,000
	38L	4,547	3,826	4,610	3,888	4,766	4,014	94 - 117	41	
	48L	5,551	4,671	5,628	4,747	5,819	4,900	91 - 114	51	
	62L	6,984	5,876	7,080	5,973	7,321	6,165	88 - 109	67	
7	28L	3,275	2,755	3,320	2,800	3,433	2,891	93 - 116	30	
	38L	4,479	3,768	4,540	3,830	4,695	3,954	92 - 115	41	
	48L	5,468	4,601	5,543	4,676	5,732	4,827	90 - 112	51	
	62L	6,879	5,788	6,974	5,883	7,211	6,073	86 - 108	67	
9	28L	3,150	2,650	3,193	2,693	3,302	2,780	90 - 112	30	
	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](http://www.kenall.com) for .ies files and additional information

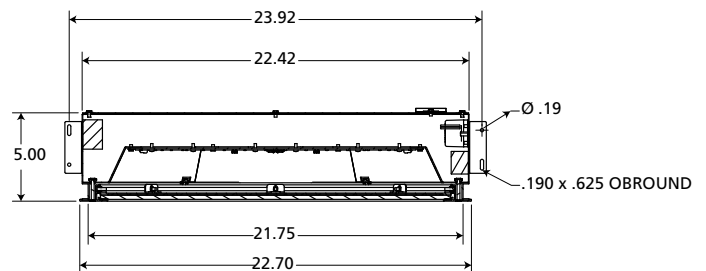
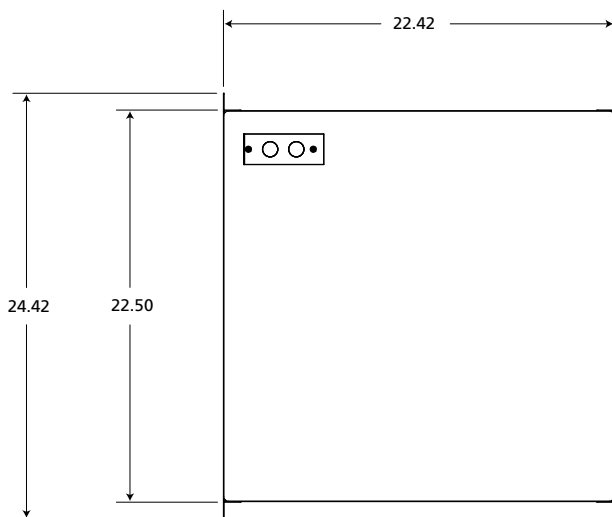
Model: BHRT-22-F-tt-7-48L-40K8-DIM1-DV



Maximum Candela = 2037 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



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