

MEDMASTER® MULTI-FUNCTION ROUND TROFFER

Architectural Luminaires for Behavioral Health Applications

BHAERT SERIES

PRODUCT FEATURES:

- » 24" Round shape provides a differentiated aesthetic to behavioral health lighting applications
- » Ambient and examination multi-function lamping for over-bed 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
- » Optional control via low-voltage control (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 dual-channel back-lit 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 drivers (<20% THD, >0.90 PF). Ambient and Exam functions are separately circuited, except when ordered with the low-voltage controller options (LVC/LVCD). Full output mode is achieved by powering both lamping circuits simultaneously. 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 μ A 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. Non-IC rated when ordered with LEL option. IP64 rating per IEC60598. NSF2 Splash/Non-Food Zone rated. Standard CCEA compliance.



ORDERING INFORMATION (Ex: BHAERT-22-F-CS-9-35L/55L-40K9-DIM1-DV-NLA)

Model	Size	Ceiling Type	Finish	Outer Lens Type	Lamp Power	Lamp Color	Driver Type	Voltage	Options
BHAERT	22	F		9	35L/55L				
			Nominal Size	Outer Lens Type		Driver Type			
			22 2' Diameter	9 .250" Clear Polycarbonate		DIM1 0-10V Dimming to 1% with Dim-to-Dark			
			Ceiling Configuration	Lamp Power		DALI* DALI Dimming to 1% without Dim-to-Dark			
			F Drywall Ceiling	35L/55L 35 Watt Ambient / 55 Watt Exam		Input Voltage			
			Finish - Room-Side	Lamp Color		DV 120-277VAC, 50/60Hz			
			GW Anti-Microbial Gloss White	30K8 3000K / 80 CRI min.		120 120VAC, 60Hz			
			MW Anti-Microbial Matte White	30K9 3000K / 90 CRI min.		277 277VAC, 60Hz			
			CS Cool Satin Painted Anodized	35K8 3500K / 80 CRI min.		347 347VAC, 60Hz			
			WS Warm Satin Painted Anodized	35K9 3500K / 90 CRI min.		Options			
				40K8 4000K / 80 CRI min.		LEL* Integral 10W Emergency Battery Backup			
				40K9 4000K / 90 CRI min.		(specified voltage required)			
						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](#))



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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PERFORMANCE

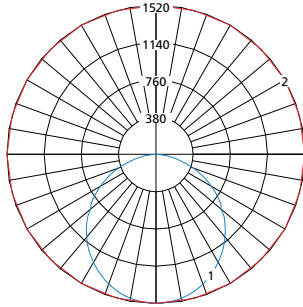
Lens Type	Lamp Power	Mode	Initial Delivered Lumens, By Lamp Color						Efficacy (lm/W)	Input Power (W)	TM-21 Reported L70 (hrs)
			30K8	30K9	35K8	35K9	40K8	40K9			
9	35L/55L	Ambient	4,079	3,432	4,135	3,488	4,276	3,601	82 - 102	42	>72,000
		Exam	6,307	5,307	6,394	5,394	6,612	5,568	82 - 102	65	
		Ambient + Exam	10,224	8,602	10,365	8,743	10,718	9,025	81 - 101	106	

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

Model: BHAERT-22-F-tt-9-35L/55L-40K8-DIM1-DV (Ambient)

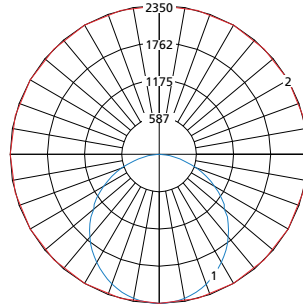
Model: BHAERT-22-F-tt-9-35L/55L-40K8-DIM1-DV (Exam)

Model: BHAERT-22-F-tt-9-35L/55L-40K8-DIM1-DV (A + E)



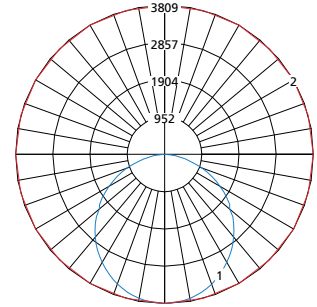
Maximum Candela = 1520 Located At Horizontal Angle = 0, Vertical Angle = 0

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



Maximum Candela = 2350 Located At Horizontal Angle = 0, Vertical Angle = 0

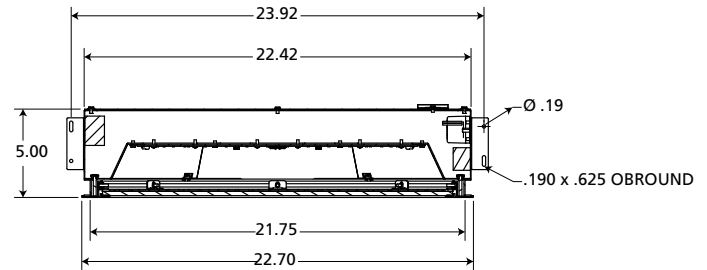
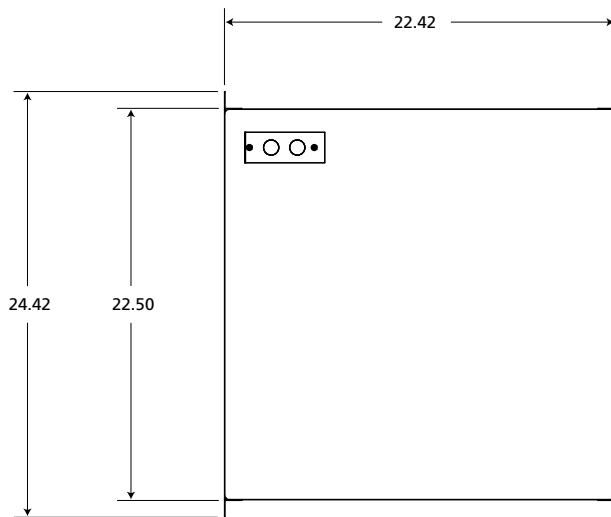
1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



Maximum Candela = 3809 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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