PROJECT [redacted] FIXTURE TYPE [redacted]

CATALOG # [redacted]

MEDMASTER™ BHRT

ROUND TROFFER

Luminaires for Behavioral Health Applications



PRODUCT FEATURES

- 24" Round shape provides a differentiated aesthetic to behavioral health lighting applications
- 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)
- Available with iMAGINE Series Graphics

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 additional photometric data, please go to www.kenall.com.

WARRANTY: Limited five (5) year LED 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-LVCD-F-8021-NLW)

Model	Size	Ceiling Type	Finish	Outer Lens Type	Lamp Power	Lamp Color	Driver Type	Voltage	LV Controller	Configuration	Options	Image Selection
BHRT	22	F		9								

Nominal Size
22 2' Diameter

Ceiling Configuration
F Drywall Ceiling

Finish - Room-Side
GW Anti-Microbial Gloss White
MW Anti-Microbial Matte White
CS Cool Satin Painted Anodized
WS Warm Satin Painted Anodized

Outer Lens Type
9 .250" Clear Polycarbonate

Lamp Power
28L 28 Watt LED
38L 38 Watt LED
48L 48 Watt LED
62L 62 Watt LED

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.
65K9△ 6500K / 90 CRI min.

Driver Type
DIM1 0-10V Dimming to 1% with Dim-to-Dark
DALI* DALI Dimming to 1% without Dim-to-Dark

Input Voltage
DV 120-277VAC, 50/60Hz
347 347VAC, 60Hz

Optional Low Voltage (LV) Controller
LVC* Low Voltage Controller (n/a with DALI)
LVCD* Low Voltage Controller with Dimming (n/a with DALI)

Optional LV Controller Configuration‡
LVC
F-8060 Ambient
F-8069▲ Ambient, Night Light
(click here for additional configurations & specifications)

LVCD
F-8021 Ambient
F-8045▲ Ambient, Night Light
(click here for additional configurations & specifications)

Options
LEL*◇ Integral 10W Emergency Battery Backup (specified voltage required)
FS Fuse & Holder
NLW*◇ 2700K White LED Night Light
NLA*◇ Amber LED Night Light

Optional Image Selection†
Click here for iMAGINE series image selections and ordering numbers. Consult factory for alternate image selection approval.

* n/a with 347V
‡ must be ordered in conjunction with corresponding controller
▲ must be ordered in conjunction with NLW or NLA option
△ Only available in conjunction with iMAGINE series images
† Only available with 28L-65K9 or 38L-65K9 Lamp Power-Lamp Color selections.
◇ LEL not available with iMAGINE series option; NLA/NLW not recommended with iMAGINE.

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

BHRT-111325

This product is able to comply with the latest domestic preference legislation, such as the Buy America 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 ©2025 Kenall Mfg. Co.

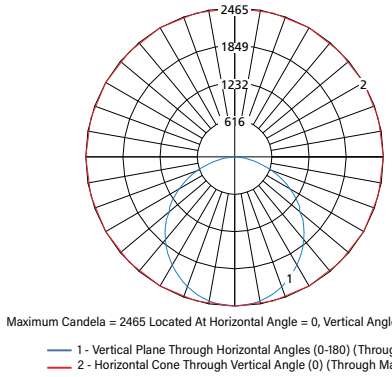
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PERFORMANCE

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	

NOTE: All values reported at 4000K, 80CRI (40K8). Use Performance Scaling table to determine lumen output at desired lamp color. Information subject to change without notice. Visit www.kenall.com for .ies files and additional information.

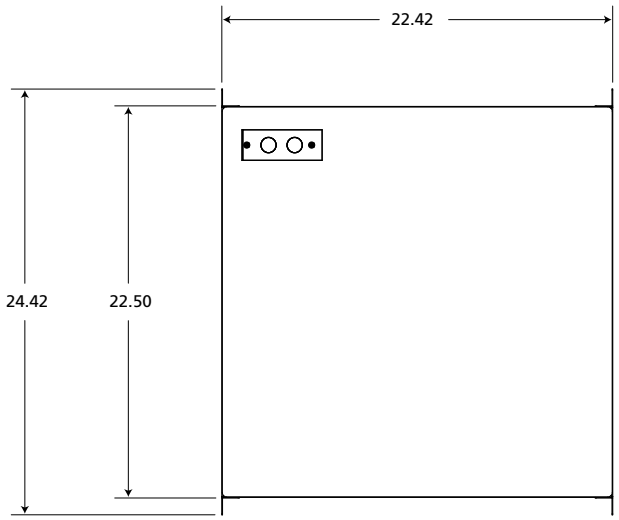
Model: BHRT-22-F-tt-9-62L-40K8-DIM1-DV

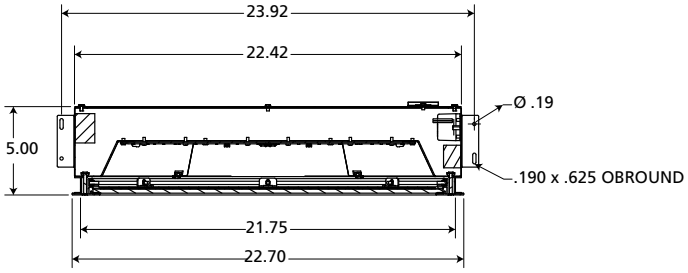


Maximum Candela = 2465 Located At Horizontal Angle = 0, Vertical Angle = 0

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

DIMENSIONAL DATA





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