

MEDMASTER™

Luminaires for Behavioral Health Applications

BHWHS SERIES

PRODUCT FEATURES:

- » Wall-mounted luminaire with downward distribution
- » Bullnose profile with sloped sides for reduced patient injury risk
- » One-piece, TIG-welded outer housing with reinforced, continuous lens retention
- » High-output, high-CRI LED lamp sources
- » Available integral low-voltage controllers for wall- and bed-mounted patient control



PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

SPECIFICATIONS

HOUSING: One-piece, clamshell design using die-formed prime grade material as specified – see Ordering Information. Finished with a matte white TGIC polyester powder coat finish with 5-stage pre-treatment. Continuous seam-welded and smoothed corners with no post grinding (TIG). Housing resistant to penetration and contraband concealment. One-piece concealed lens retention bracket.

OPTICS: High-efficiency diffused, impact-resistant acrylic inner lens with clear polycarbonate or tempered glass outer lens. See Ordering Information for selection options. Maximum 0.375" overall thickness.

LED MODULE: Serviceable mid-power LED array. 3500K, 4000K and 5000K color temperature options with maximum 3-step MacAdam variation allowance. Minimum 82CRI standard (R9>20) with 90CRI (R9>50) optional.

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 165µA maximum source current. Optional eldoLED ECoDrive DALI drivers with 1-100% range.

CONTROLS: Optional integral low-voltage controller with (LVCD) and without (LVC) dimming capability through a compatible wall, bed or pillow speaker controller. Refer to hyperlinks within Ordering Information for further details. See 'Accessories' for available low-voltage wall control switches.

INSTALLATION: Wall-mount installation via internal mounting holes using six (6) high-security bolts (provided by others). Tamper-resistant center-pin Torx or Allen-head fasteners secure housing to mounting baseplate.

WARRANTY: Limited five (5) year LED and driver warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Damp Location.



ORDERING INFORMATION (Ex: BHWHS-3-0-27L-35K8-DIM1-DV-SYM/9-1-FS)

Model	Length	Hsg. Material	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Fastener Type	Options
BHWHS	3						SYM /		
	Length				Driver Type		Lens (Inner/Outer)		
	3 3' Nominal				DIM1 0-10V Dimming to 1%		SYM † .125" Diffused DR Acrylic		
					DALI DALI Dimming to 1%		G .125" Clear Polycarbonate		
	Housing Material				Voltage		7 .187" Clear Polycarbonate		
	0 14-Ga CRS in Matte White				DV 120-277VAC, 50/60Hz		8 .187" Clear Tempered Glass		
	3 14-Ga Type 304 Stainless Steel in Matte White				347 347VAC, 60Hz (DIM1 only)		9 .250" Clear Polycarbonate		
	Lamp Power						A .250" Clear Tempered Glass		
	18L 18 Watt LED							External Fastener Type	
	27L 27 Watt LED							1 Torx Head with Center Pin	
	36L 36 Watt LED							2 Allen Head with Center Pin	
	Lamp Color							Options	
	35K8 3500K / 82 CRI min.							LELST* Integral 6W Self-Testing Emergency Battery Backup	
	35K9 3500K / 90 CRI min.							FS Single Fuse & Holder	
	40K8 4000K / 82 CRI min.							NLW* 2700K White LED Night Light	
	40K9 4000K / 90 CRI min.							NLA* Amber LED Night Light	
	50K8 5000K / 82 CRI min.							LVC* Low Voltage Controller (DIM1 only; click here for specifications)	
								LVCD* Low Voltage Controller with Dimming (DIM1 only; click here for specifications)	

† Not available as Outer lens or as standalone lens option
* n/a with 347V

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



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Luminaires for Behavioral Health Applications

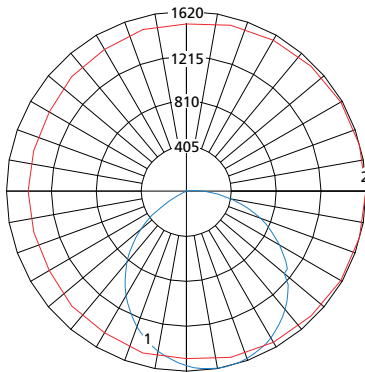
BHWHS SERIES

PERFORMANCE

Lamp Power	Initial Delivered Lumens, by CCT (lm)					Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	35K8	35K9	40K8	40K9	50K8				
18L	2,218	1,919	2,262	1,938	2,324	86 - 104	22	70	85,000
27L	3,282	2,840	3,347	2,867	3,439	85 - 103	33	105	75,000
36L	4,128	3,571	4,209	3,606	4,325	80 - 97	44	140	60,000

NOTE: All products tested with SYM/9 lens configuration. See "Lumen Output Scaling Factor" table for output values with alternate lens configurations. Information subject to change without notice. Visit www.kenall.com for IES files and additional information.

Model: BHWHS-3-y-36L-40K8-DIM1-zzz-SYM/9



Maximum Candela = 1620 Located At Horizontal Angle = 0, Vertical Angle = 12.5

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (12.5) (Through Max. Cd.)

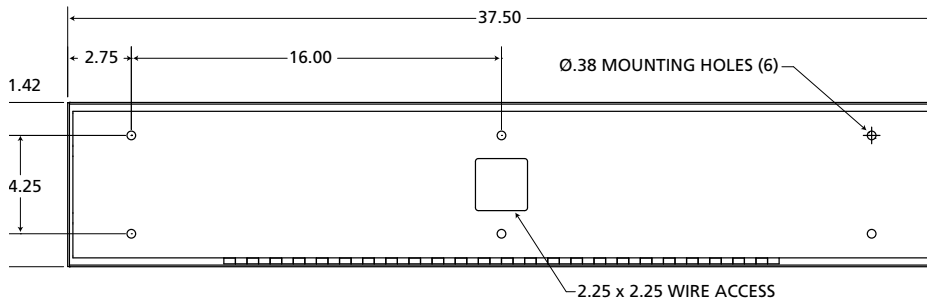
LUMEN OUTPUT SCALING FACTORS

Lens Configuration	Outer Lens	Scaling Factor
SYM/G	1/8" Clear PC	1.06
SYM/7	3/16" Clear PC	1.03
SYM/8	3/16" Clear TG	1.03
SYM/9	1/4" Clear PC	1.00

NOTE: Use this table to determine the lumen output and efficacy with the desired lens configuration by multiplying the provided value with the appropriate number in the 'Performance' table above.

DIMENSIONAL DATA

BACK VIEW



CROSS SECTION

