

# MIGHTY MAC™

## WCHS SERIES

### PRODUCT FEATURES:

- » Wall-mounted luminaire with downward illumination
- » Innovative door-free design eliminates the possibility of contraband concealment and tampering
- » Designed for permanent installation
- » One-piece, TIG-welded housing with reinforced, continuous lens retention
- » LED thermal management and under-stressed driver to promote long life expectancy



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**HOUSING:** One-piece die-formed prime grade material as specified – see Ordering Information. Cold-rolled steel and painted stainless steel options are finished with a gloss 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 0.625" 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 embedded microwave motion sensor (MS) has factory default settings of 20 minute time out, dims down to 30%.

**INSTALLATION:** Wall-mount installation via external mounting holes using six (6) high-security bolts (provided by others).

**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: WCHS-3-0-27L-35K8-DIM1-DV-SYM/B-FS)

Model	Length	Hsg. Material	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Options
<b>WCHS</b>	<b>3</b>						<b>SYM /</b>	
	<b>Length</b>				<b>Driver Type</b>		<b>Lens (Inner/Outer)</b>	
	<b>3</b> 3' Nominal				<b>DIM1</b> 0-10V Dimming to 1%		<b>SYM†</b> .125" Diffused DR Acrylic	
					<b>DALI</b> DALI Dimming to 1%		<b>G</b> .125" Clear Polycarbonate	
	<b>Housing Material</b>				<b>Voltage</b>		<b>7</b> .187" Clear Polycarbonate	
	<b>0</b> 14-Ga CRS in Gloss White				<b>DV</b> 120-277VAC, 50/60Hz		<b>8</b> .187" Clear Tempered Glass	
	<b>1</b> 16-Ga CRS in Gloss White				<b>347</b> 347VAC, 60Hz (DIM1 only)		<b>9</b> .250" Clear Polycarbonate	
	<b>3</b> 14-Ga Type 304 Stainless Steel in Gloss White						<b>A</b> .250" Clear Tempered Glass	
	<b>4</b> 16-Ga Type 304 Stainless Steel in Gloss White						<b>B</b> .375" Clear Polycarbonate	
	<b>9</b> 12-Ga CRS in Gloss White						<b>C</b> .375" Clear Tempered Glass	
	<b>Lamp Power</b>						<b>J</b> .500" Clear Polycarbonate	
	<b>18L</b> 18 Watt LED						<b>P</b> .500" Clear Tempered Glass	
	<b>27L</b> 27 Watt LED							<b>Options</b>
	<b>36L</b> 36 Watt LED							<b>LELST</b> Integral 6W Self-Testing Emergency Battery Backup (n/a 347V)
	<b>Lamp Color</b>							<b>FS</b> Single Fuse & Holder
	<b>35K8</b> 3500K / 82 CRI min.							<b>MS</b> Embedded Microwave Motion Sensor (DIM1 only; n/a 347V)
	<b>35K9</b> 3500K / 90 CRI min.							<b>NLW</b> 2700K White LED Night Light (n/a 347V)
	<b>40K8</b> 4000K / 82 CRI min.							<b>NLA</b> Amber LED Night Light (n/a 347V)
	<b>40K9</b> 4000K / 90 CRI min.							
	<b>50K8</b> 5000K / 82 CRI min.							

† Not available as Outer lens or as standalone lens option



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# MIGHTY MAC™

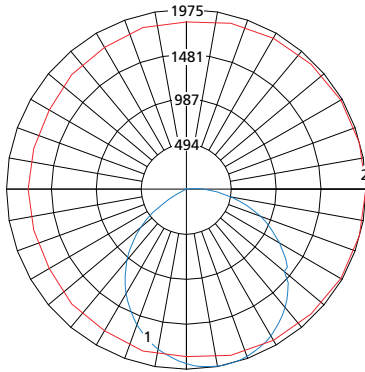
## WCHS SERIES

### 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	2,703	2,339	2,756	2,362	2,832	105 - 127	22	70	85,000
27L	4,000	3,461	4,079	3,494	4,191	104 - 126	33	105	75,000
36L	5,030	4,352	5,129	4,394	5,270	98 - 119	44	140	60,000

NOTE: All products tested with SYM/B 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](http://www.kenall.com) for IES files and additional information.

Model: WCHS-3-y-36L-40K8-DIM1-zzz-SYM-B



Maximum Candela = 1975 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.)

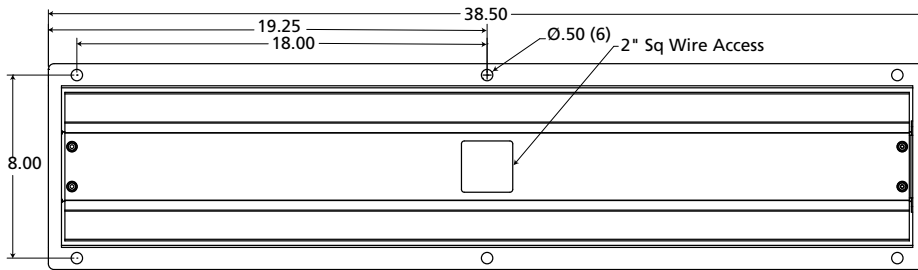
### LUMEN OUTPUT SCALING FACTORS

Lens Configuration	Outer Lens	Scaling Factor
SYM/G	1/8" Clear PC	1.10
SYM/7	3/16" Clear PC	1.06
SYM/8	3/16" Clear TG	1.06
SYM/9	1/4" Clear PC	1.03
SYM/B	3/8" Clear PC	1.00
SYM/C	3/8" Clear TG	1.03
SYM/J	1/2" Clear PC	0.99

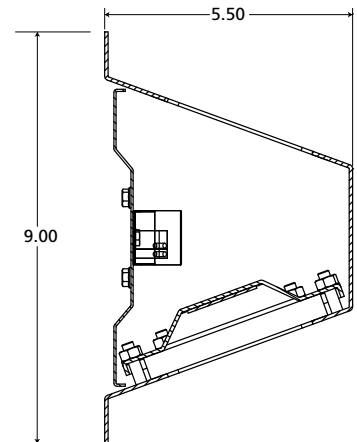
NOTE: Use this table to determine the lumen output and efficacy with the desired lens configuration by multiplying the provided value with the appropriate number in the 'Performance' table above.

### DIMENSIONAL DATA

BACK VIEW



CROSS SECTION



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