

# MIGHTY MAC™

## WCH SERIES

### PRODUCT FEATURES:

- » Surface wall mount – (7"×11")×29", (7"×11")×53"
- » One aperture
- » TIG welded housing with no post grinding for additional strength
- » Vertically adjustable bracket secured to housing via thru-studs
- » Completely concealed internal drop slot piano hinge



### PROJECT INFORMATION

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

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

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

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

### SPECIFICATIONS

**HOUSING:** One-piece die-formed prime grade material as specified – see ordering information. Corners continuously seam welded and smooth with no post grinding (TIG). Clamshell housing resistant to penetration and contraband concealment. TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%

**BASEPLATE:** Prime grade material as specified – see ordering information. Die-formed blade trap (1/4" minimum) prevents contraband concealment and access. Embossed standoffs prevent distortion.

**LENS:** As specified – maximum thickness .625" – see ordering information. Kenall recommends a prismatic inner lens and a clear outer lens. Two clear lenses used in combination cannot be provided.

**LENS RETENTION:** Vertically adjustable continuous "Z" brackets of prime grade material, secured to housing via thru-studs (6" maximum spacing).

**HINGE:** 2' completely concealed internal drop slot piano hinge (1/2" knuckle/1/8" diameter pin) standard. Pin secured to knuckle. Hinge welded to housing and mounts to baseplate via keyholes. See Options for Full Length Internal Hinge (IHF).

**FASTENERS:** Hardened security screws as specified – see ordering information. Fully recessed.

**LED ELECTRICAL:** Available 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 3-100% range, maximum driver source of 250 µA

**LAMPS:** Quantity and type as specified – see ordering information. Lamps supplied by others.

**BALLAST:** Quantity and type as specified – see ordering information. All ballasts UL listed class P. Optional removable reflector/lamp/ballast tray with quick disconnect.

**LUMINOUS SEAL:** Polyurethane foam prevents light leaks from luminaire base.

**INSTALLATION:** Fixture not suitable for Surface Conduit or Continuous Row Mounting.

**PHOTOMETRICS:** For photometric information, go to [www.kenall.com](http://www.kenall.com).

**WARRANTY:** Limited five (5) year LED warranty.

**LISTINGS:** UL and CUL listed for damp locations. LED only: Luminaire is certified to UL 1598 and UL 8750 standards by Intertek Testing Services for Damp Locations.



### ORDERING INFORMATION (Ex: WCH-4-0/0-1-45L40K-DCC-DV-1/9-1)

Model	Size	Hsg./Base Plate	Lamp Qty	Lamp Type	Ballast Type	Circuit Qty	Voltage	Lens (Inner/Outer)	Fasteners	Options
<b>WCH</b>		/						/		
<b>Nominal Size</b>		<b>Lamp Type</b>		<b>Voltage</b>		<b>Options</b>				
2	(7"×11")×29"	<b>2' Nominal Length</b>		120	120 Volts	<b>EL†</b> Standard Lumen EL Pack				
4	(7"×11")×53"	17 F17T8		277	277 Volts	<b>PEL†</b> High Lumen EL Pack				
<b>Housing/Base Material</b>		<b>4' Nominal Length</b>		347	347 Volts	<b>SEL†</b> Specified EL Pack				
0	14-Ga CRS (Painted White)	45L35K	45 Watt 3500K LED	DV	120-277 Volts	<b>COL*</b> Convenience Outlet – Left side (as viewed facing fixture)				
1	16-Ga CRS (Painted White)	45L40K	45 Watt 4000K LED	<b>Lens (Inner/Outer)‡</b>		<b>COR*</b> Convenience Outlet – Right side (as viewed facing fixture)				
3	14-Ga SS (Painted White)	45L50K	45 Watt 5000K LED	0	No Lens	<b>DLN</b> LED Night Light w/Light Level Control (100% - 20%. Voltage specific selection required.)				
4	16-Ga SS (Painted White)	32	F32T8	1	.125" Prismatic Acrylic	<b>FS</b> Single Fuse & Holder				
6*	14-Ga SS (Brushed)	<b>Ballast/Driver Type</b>		2	.125" Prismatic Polycarbonate	<b>GFIR*</b> Ground Fault Outlet – Left side (as viewed facing fixture)				
7*	16-Ga SS (Brushed)	IS	Instant Start Electronic <10% THD (T8)	3	.125" Textured Polycarbonate	<b>GFIR*</b> Ground Fault Outlet – Right side (as viewed facing fixture)				
9	12-Ga CRS (Painted White)	RS	Rapid Start Electronic <10% THD (T8)	GA	.125" Clear Polycarbonate	<b>IHF</b> Full Length Internal Hinge				
<b>Lamp Quantity</b>		DCC	Dimming Constant Current LED Driver	4	.156" Prismatic Polycarbonate	<b>RG</b> Removable Gear Tray				
1	One	<b>Circuit Quantity</b>		TG	.125" Textured Tempered Glass	<b>RPL*</b> Recessed Push Switch – Left side (as viewed facing fixture)				
2	Two (n/a with LED)	1	One	6	.187" Prismatic Polycarbonate	<b>RPR*</b> Recessed Push Switch – Right side (as viewed facing fixture)				
		2	Two	7A	.187" Clear Polycarbonate	<b>SKL</b> Speaker Hsg Extension – Left side (as viewed facing fixture)				
				8A	.187" Clear Tempered Glass	<b>SKR</b> Speaker Hsg Extension – Right side (as viewed facing fixture)				
				9A	.250" Clear Polycarbonate	<b>TCL*</b> Touch Control Switch – Left side (as viewed facing fixture)				
				A	.250" Clear Tempered Glass	<b>TCR*</b> Touch Control Switch – Right side (as viewed facing fixture)				
				B	.375" Clear Polycarbonate	<b>TN*†</b> PL Night Light – 5/7/9 Watt (Lamp supplied by others. 120 or 277 voltage specific selection required.)				
				C	.375" Clear Tempered Glass	<b>UV</b> Ultraviolet Filter				
				J	.500" Clear Polycarbonate					
				P	.500" Clear Tempered Glass					
				SYM	Symmetric, Diffused DR Acrylic					
				<b>Fastener</b>						
				1	Torx® Head w/ Center Pin					
				2	Allen Head w/ Center Pin					

- \* n/a as Base Material
- ‡ Refer to lens specifications
- n/a with 347V
- † n/a with LED lamping
- ▲ Must be paired with prismatic, textured or diffused lens when ordering LED lamps
- Can only be used with clear or no outer lens



[www.kenall.com](http://www.kenall.com) | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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# MIGHTY MAC™

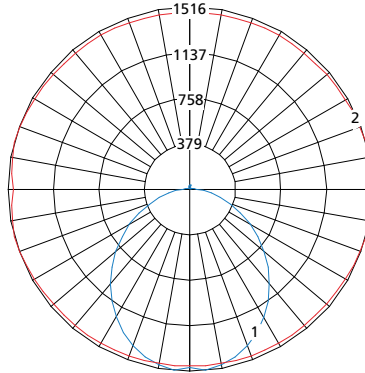
## WCH SERIES

### PERFORMANCE

Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
	@ 25°C	Efficacy (lm/W)			
45L35K	2775	56	50	94	80,000
45L40K	2958	60	50	94	80,000
45L50K	3076	62	50	94	80,000

Displayed information is for selected luminaires only. Additional wattages and color temperatures are also available. Visit [www.kenall.com](http://www.kenall.com) for additional information.

Model: WCH-4-1/1-1-45L40K-DCC-1-DV

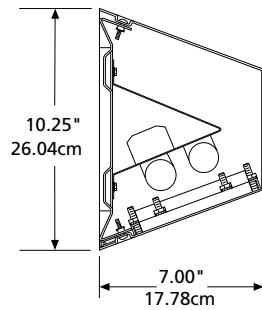


Maximum Candela = 1594 Located At Horizontal Angle = 0, Vertical Angle = 20

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

### DIMENSIONAL DATA

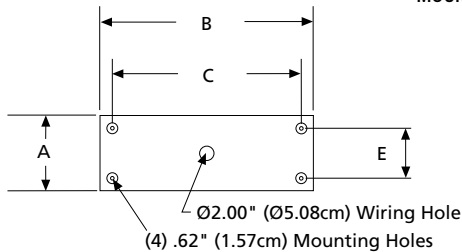
#### CROSS SECTION



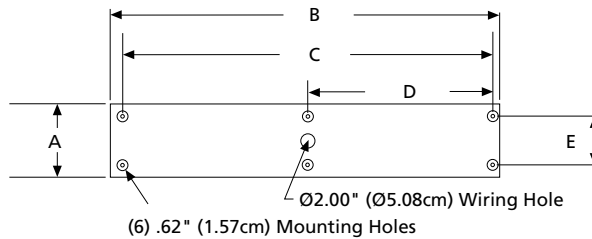
#### DIMENSIONAL DATA (IN INCHES & CM)

	A	B	C	D	E
<b>29" Length</b>	10.25	28.75	24.00	—	5.00
<b>(73.66cm)</b>	26.04cm	73.03cm	60.96cm	—	12.70cm
<b>53" Length</b>	10.25	52.75	48.00	24.00	5.00
<b>(1.35m)</b>	26.04cm	134cm	122cm	60.96cm	12.70cm

#### MOUNTING HOLES



29" (73.66cm) MOUNTING



53" (135cm) MOUNTING



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