

MIGHTY MAC™

WCT SERIES

PRODUCT FEATURES:

- » Surface wall mount – (9"×14")×29", (9"×14")×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.

WARRANTY: Limited five (5) year warranty on LED lamps.

LISTINGS: EL: UL and CUL Listed for Damp Locations. LED: Luminaire is certified to UL1598 and UL8750 standards by Intertek Testing Services for Damp Locations.



ORDERING INFORMATION (Ex: WCT-2-0/0-2-17-RS-1-120-1/B-1)

Model	Size	Hsg./Base Plate	Lamp Qty	Lamp Type	Ballast/Driver	Ballast Qty	Voltage	Lens (Inner/Outer)	Fasteners	Options
WCT		/						/		
Nominal Size		Lamp Type		Voltage		Options				
2	(9"×14")×29"	2' Nominal Length		120	120 Volts	LEL Integral 8.4W Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient)				
4	(9"×14")×53"	25L35K 25 Watt 3500K LED		277	277 Volts	LELST Integral 6W Self-Testing Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient)				
Housing/Base Material		25L40K 25 Watt 4000K LED		347		347 Volts		EL† Standard Lumen EL Pack		
0	14-Ga CRS (Painted White)	25L50K 25 Watt 5000K LED		DV		120-277 Volts		DLN LED Night Light w/Light Level Control (100% - 20%. Voltage specific selection required.)		
1	16-Ga CRS (Painted White)	17 F17T8		Lens (Inner/Outer)‡		FS Single Fuse & Holder				
3	14-Ga SS (Painted White)	4' Nominal Length		SYM* Symmetric, Diffused DR Acrylic		IHF Full Length Internal Hinge				
4	16-Ga SS (Painted White)	45L35K 45 Watt 3500K LED		0 No Lens		RGT Removable Gear Tray				
6*	14-Ga SS (Brushed)	45L40K 45 Watt 4000K LED		1 .125" Prismatic Acrylic		RPL♦ Recessed Push Switch – Left side (as viewed facing fixture)				
7*	16-Ga SS (Brushed)	45L50K 45 Watt 5000K LED		2 .125" Prismatic Polycarbonate		RPR♦ Recessed Push Switch – Right side (as viewed facing fixture)				
9	12-Ga CRS (Painted White)	32 F32T8		3 .125" Textured Polycarbonate		SKL Speaker Hsg Extension – Left side (as viewed facing fixture)				
Lamp Quantity (n/a with LED)		Ballast/Driver Type		4 .156" Prismatic Polycarbonate		SKR Speaker Hsg Extension – Right side (as viewed facing fixture)				
1	One	IS Instant Start Electronic <10% THD (T8)		TG .125" Textured Tempered Glass						
2	Two	RS Rapid Start Electronic <10% THD (T8)		6 .187" Prismatic Polycarbonate						
		DCC Dimming Constant Current LED Driver		7▲ .187" Clear Polycarbonate						
		Ballast Quantity (n/a with LED)		8▲ .187" Clear Tempered Glass						
		1 One		9▲ .250" Clear Polycarbonate						
		2 Two		A▲ .250" Clear Tempered Glass						
				B▲ .375" Clear Polycarbonate						
				C▲ .375" Clear Tempered Glass						
				J▲ .500" Clear Polycarbonate						
				P▲ .500" Clear Tempered Glass						
				Fastener						
				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 | P: 800-4-Kenall | F: 262-891-9701 | 10200 55th Street Kenosha, Wisconsin 53144, USA

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WCT-060320

MIGHTY MAC™

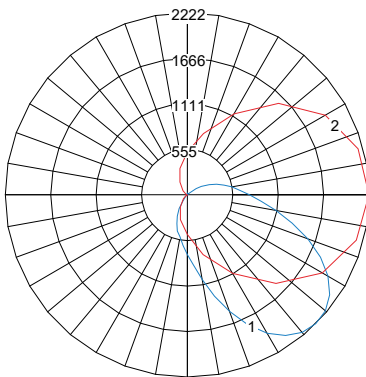
WCT SERIES

PERFORMANCE

Nominal Size	Lamp Type	Initial Delivered Lumens		Input Power (W)	Drive Current (mA)	Estd. L70 LED Life (Hrs)
		@ 25°C	Efficacy (lm/W)			
2	25L35K	2,164	76	28	117	80,000
	25L40K	2,307	81	28	117	80,000
	25L50K	2,400	84	28	117	80,000
4	45L35K	4,098	89	46	100	80,000
	45L40K	4,237	92	46	100	80,000
	45L50K	4,411	95	46	100	80,000

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 for IES files and additional information.

Model: WCT-4-x-y-45L40K-DCC-z-SYM-B-1



Maximum Candela = 2222 Located At Horizontal Angle = 0, Vertical Angle = 45

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

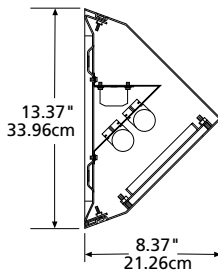
LUMEN OUTPUT SCALING FACTORS

Lens Configuration	Inner Lens	Outer Lens	Scaling Factor
SYM/G	1/8" Frost Acrylic	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
1/G	1/8" Prismatic Acrylic	1/8" Clear PC	1.04
1/9		1/4" Clear PC	0.99
1/B		3/8" Clear PC	0.99
2/J	1/8" Prismatic PC	1/2" Clear PC	0.87

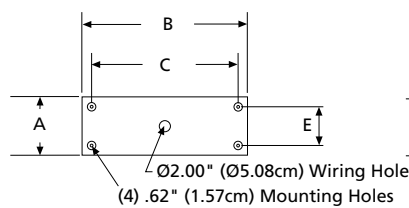
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.

DIMENSIONAL DATA

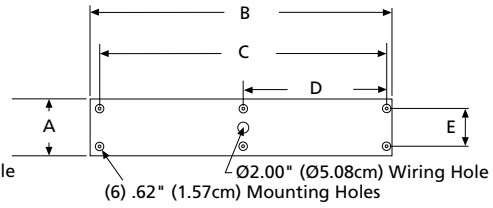
CROSS SECTION



MOUNTING HOLES



17" (43.18cm) & 29" (73.66cm) MOUNTING



53" (135cm) MOUNTING

DIMENSIONAL DATA (IN INCHES & CM)

	A	B	C	D	E
29" Length (73.66cm)	13.37 33.96cm	28.75 73.03cm	24.00 60.96cm	—	7.00 17.78cm
53" Length (1.35m)	13.37 33.96cm	52.75 134cm	48.00 122cm	24.00 60.96cm	7.00 17.78cm



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