

MIGHTY MAC™

CC SERIES - TUNABLE WHITE LED

PRODUCT FEATURES:

- » High-output, high-CRI LED lamp sources with 2700K-6500K white tuning capability
- » Surface corner mount with hinged clamshell construction
- » TIG-welded housing without post-weld grinding for additional strength
- » Clamshell design prevents contraband concealment



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.

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 0.625" – see Ordering Information. High-efficiency diffused DR acrylic inner lens.

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

HINGE: 2' continuous heavy gauge internal 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.

FINISH: TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

LED MODULE: Serviceable tunable-white, mid-power LED array provides 2700K through 6500K CCT range with a two-point path. Minimum 82 CRI standard (R9 >20) with optional minimum 90 CRI (R9 >50).

DRIVER: 120-277VAC, 50/60Hz electrical input (PF ≥ 0.9, THD < 20%). Minimum 85% electrical efficiency. Serviceable, constant-current multi-channel programmable driver with dual analog (0-10V) control inputs for intensity and CCT. Linear intensity and CCT adjustment profiles with 1-100% range and dim-to-dark capabilities on intensity. Optional DALI (Type 8) driver with 1-100% range and dim-to-dark intensity dimming with linear intensity and CCT adjustment profiles.

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

INSTALLATION: Corner mount, surface; Fixture not suitable for Surface Conduit or Continuous Row Mounting.

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 warranty on LED lamps.

LISTINGS: Luminaire is certified to UL 1598 and UL 8750 standards by Intertek Testing Services for Damp Locations. See Ordering Information for Wet Location applications.



ORDERING INFORMATION (Ex: CC-4-2/1-45T-27/65K8-ATW-DV-SYM/9-1-DLN)

Model	Size	Housing/Base	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
CC	4	/					SYM /		
Nominal Size		Lamp Power		Voltage		Fastener			
4 9" x 48"		45T 45 Watt Tunable White		DV 120-277 Volts		1 Torx® Head w/ Center Pin			
		67T 67 Watt Tunable White		120 120 Volts		2 Allen Head w/ Center Pin			
		90T 90 Watt Tunable White		277 277 Volts					
Housing/Base Material		Lamp Color		Lens (Inner/Outer)‡		Options			
0 14-Ga CRS (Painted White)		27/65K8 2700-6500K CCT Range (82 CRI min)		SYM .125" Diffused DR Acrylic		LEL Integral 8.4W Emergency Battery Backup (45T max, 0°C min ambient)			
1 16-Ga CRS (Painted White)		27/65K9 2700-6500K CCT Range (92 CRI min)		G .125" Clear Polycarbonate		LELST Integral 6W Self-Testing Emergency Battery Backup (45T max, 0°C min ambient)			
3 14-Ga SS (Painted White)				7 .187" Clear Polycarbonate		DLN LED Night Light w/Light Level Control (voltage specific selection required)			
4 16-Ga SS (Painted White)				8 .187" Clear Tempered Glass		FS Single Fuse & Holder			
6* 14-Ga SS (Brushed)				9 .250" Clear Polycarbonate		IHF Full Length Internal Hinge			
7* 16-Ga SS (Brushed)				A .250" Clear Tempered Glass		RGT Removable Gear Tray			
9 12-Ga CRS (Painted White)				B .375" Clear Polycarbonate		SK Speaker Housing Extension			
		Driver Type		C .375" Clear Tempered Glass		WL Wet Location Listed			
		ATW Analog (0-10V) Dimming Tunable White Driver		J .500" Clear Polycarbonate					
		DTW DALI Tunable White Driver		P .500" Clear Tempered Glass					
								* n/a as Base Material	
								‡ Refer to lens specifications	



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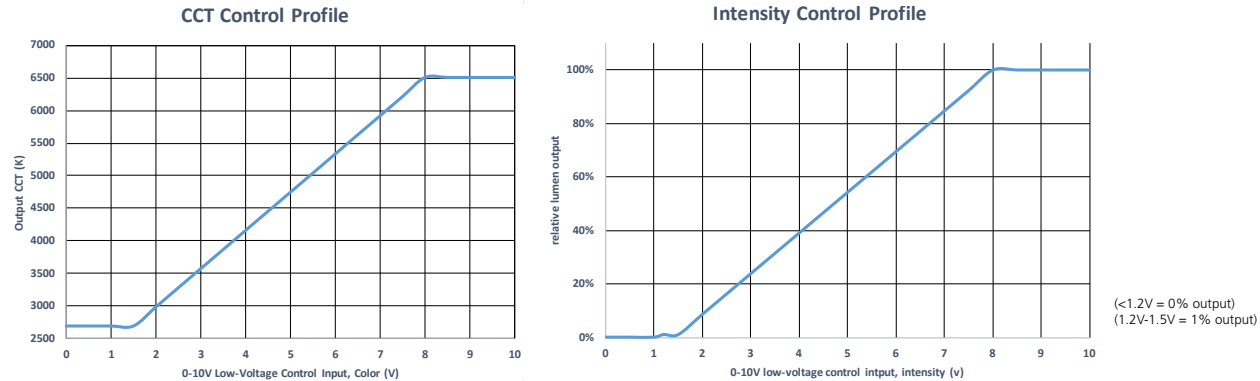
Lamp Type	Performance at 4000K Tuning			
	Lumen Output (lm)	Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (Hrs)
45T-27/65K8	4,585	100	46	80,000
45T-27/65K9	3,695	80	46	80,000
67T-27/65K8	6,859	101	68	80,000
67T-27/65K9	5,681	84	68	80,000
90T-27/65K8	8,909	97	92	60,000
90T-27/65K9	7,180	78	92	60,000

All products tested with the SYM/9 lens configuration. Output with other lens configurations will vary. Information subject to change without notice. Visit www.kenall.com for additional information.

PERFORMANCE SCALING, BY LAMP COLOR

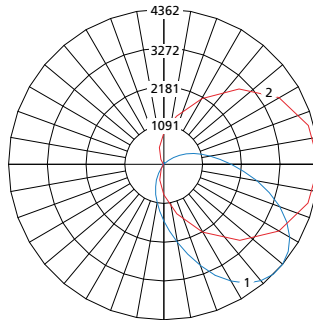
CCT (K)	27/65K8					27/65K9				
	LUMEN SCALE FACTOR	Ra	R9	Rf	Rg	LUMEN SCALE FACTOR	Ra	R9	Rf	Rg
2700	0.97	83	10	83	97	0.98	92	57	89	98
3000	0.98	84	15	83	98	0.99	94	70	91	99
3500	0.99	86	23	84	98	0.99	95	77	92	99
4000	1.00	86	26	84	98	1.00	96	83	92	99
4600	1.01	86	28	84	98	1.01	96	90	92	100
5000	1.01	86	25	83	98	1.03	96	96	91	101
5700	1.02	85	23	82	98	1.02	96	96	91	100
6500	1.04	84	16	82	96	1.02	96	96	90	100

CCT AND INTENSITY ADJUSTMENT PROFILE - ATW DRIVER TYPE



NOTE: The provided information is the typical expected performance of a single luminaire. Additional luminaires on the same 0-10V line may result in different control profiles. Fine tuning of system performance should be completed after installation is complete. To avoid CCT shift between luminaires, care should be taken to minimize voltage drop on the CCT Control line. It is recommended to limit the load on the CCT control circuit to twenty (20) 45T or ten (10) 67T/90T luminaires or less.

Model: CC-4-1/1-90T-27/65K8-ATW-DV-SYM/9-1



Maximum Candela = 4362 Located At Horizontal Angle = 0, Vertical Angle = 50

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)



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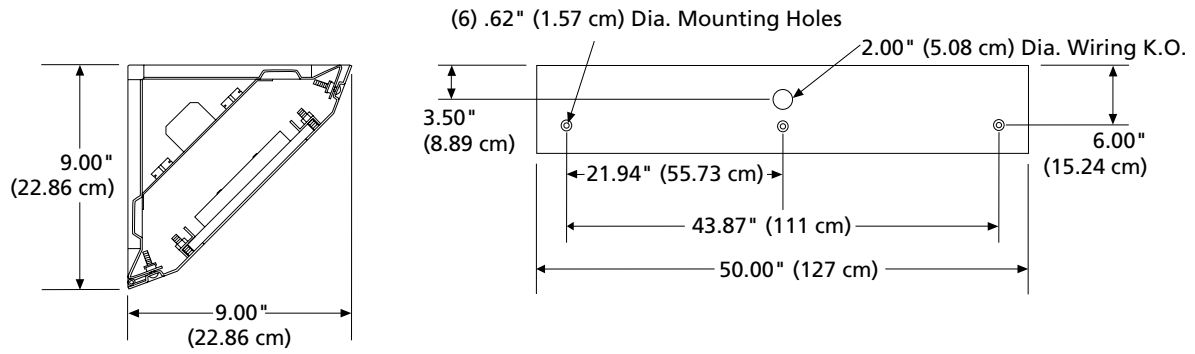
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DIMENSIONAL DATA



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