

MIGHTY MAC™

CD SERIES - TUNABLE WHITE LED

PRODUCT FEATURES:

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



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).

LENS: As specified – maximum thickness 0.875" – 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).

DOOR: One-piece die-formed prime grade material as specified – see Ordering Information.

HINGE: Staked and welded external piano hinge (1/2" knuckle/ 1/8" diameter pin) standard. See options for Full Length Internal Hinge (IHF).

FASTENERS: Hardened stainless steel 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. Optional DALI (Type 8) driver. Logarithmic intensity profile with 0.1-100% range, with dim-to-dark capabilities. Linear profile on CCT adjustment. Refer to charts on page 2 for further details.

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

PHOTOMETRICS: Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For additional photometric information, 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: CD-4-2/1-67T-27/65K8-DTW-DV-SYM/9-1-FS)

Model	Size	Housing/Door	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Fasteners	Options
CD	4	/					SYM /		
Nominal Size		Lamp Power		Voltage		Fastener			
4	8" x 48"	45T	45 Watt Tunable White	DV	120-277 Volts	1	Torx® T-20 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	Options			
Housing/Door Material		Lamp Color		Lens (Inner/Outer)‡		LEL			
0	14-Ga CRS (Painted White)	27/65K8	2700-6500K CCT Range (82 CRI min)	SYM	.125" Diffused DR Acrylic	Integral 5W Emergency Battery Backup (45T max, wired to cool white circuit; 0°C min. ambient)			
1	16-Ga CRS (Painted White)	3	14-Ga SS (Painted White)	G	.125" Clear Polycarbonate	LELST			
2*	18-Ga CRS (Painted White)	4	16-Ga SS (Painted White)	7	.187" Clear Polycarbonate	Integral 6W Self-Testing Emergency Battery Backup (45T max, wired to cool white circuit; 0°C min. ambient)			
3	14-Ga SS (Painted White)	5	14-Ga SS (Brushed)	8	.187" Clear Tempered Glass	DLN			
4	16-Ga SS (Painted White)	6	14-Ga SS (Brushed)	9	.250" Clear Polycarbonate	LED Night Light w/Light Level Control (voltage specific selection required)			
6	14-Ga SS (Brushed)	7	16-Ga SS (Brushed)	A	.250" Clear Tempered Glass	FS			
7	16-Ga SS (Brushed)	ATW	Analog (0-10V) Dimming Tunable White Driver	B	.375" Clear Polycarbonate	Single Fuse & Holder			
		DTW	DALI Tunable White Driver	C	.375" Clear Tempered Glass	IHF			
		DMX	DMX Tunable White Driver (Consult Factory)	J	.500" Clear Polycarbonate	Full Length Internal Hinge			
				P	.500" Clear Tempered Glass	KO			
				N	.750" Clear Tempered Glass	1/2" EMT Knockout			
						RG			
						Removable Gear Tray			
						SK			
						Speaker Housing Extension			
						WL			
						Wet Location Listed			

* n/a as Door Material

‡ Refer to lens specifications



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

A brand of **legrand**

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

MIGHTY MAC™

CD SERIES - TUNABLE WHITE LED

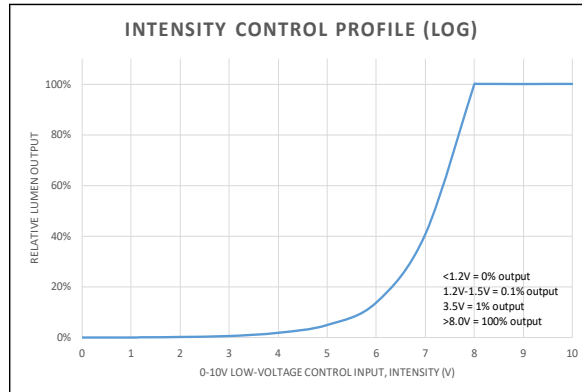
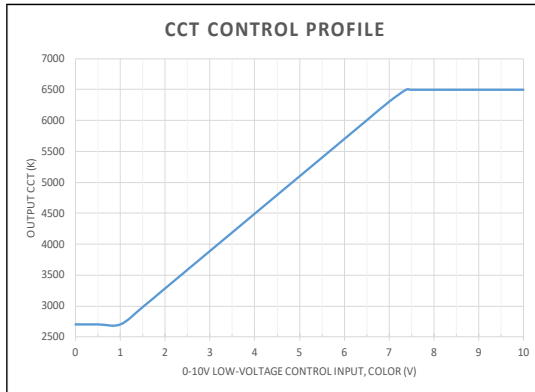
Lamp Type	Performance at 4000K Tuning			
	Lumen Output (lm)	Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (Hrs)
45T-27/65K8	4,484	97	46	80,000
45T-27/65K9	3,614	79	46	80,000
67T-27/65K8	6,708	99	68	80,000
67T-27/65K9	5,556	82	68	80,000
90T-27/65K8	8,712	95	92	60,000
90T-27/65K9	7,022	76	92	60,000

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

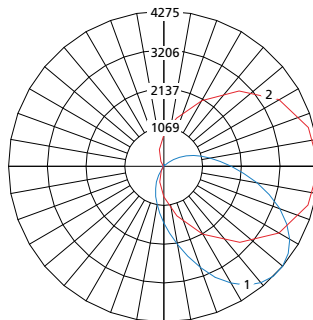
CCT (K)	27/65K8					27/65K9				
	LUMEN SCALE FACTOR	Ra	R9	Rf	Rg	LUMEN SCALE FACTOR	Ra	R9	Rf	Rg
2700	0.92	83	10	83	97	0.95	92	57	89	98
3000	0.95	84	15	83	98	0.97	94	70	91	99
3500	0.99	86	23	84	98	0.99	95	77	92	99
4000	1.00	86	26	84	98	1.00	96	83	92	99
4600	1.00	86	28	84	98	1.00	96	90	92	100
5000	1.01	86	25	83	98	1.01	96	96	91	101
5700	0.99	85	23	82	98	0.99	96	96	91	100
6500	0.99	84	16	82	96	0.99	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: CD-4-1/1-90T-27/65K8-ATW-DV-SYM/9-1



Maximum Candela = 4275 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.)



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

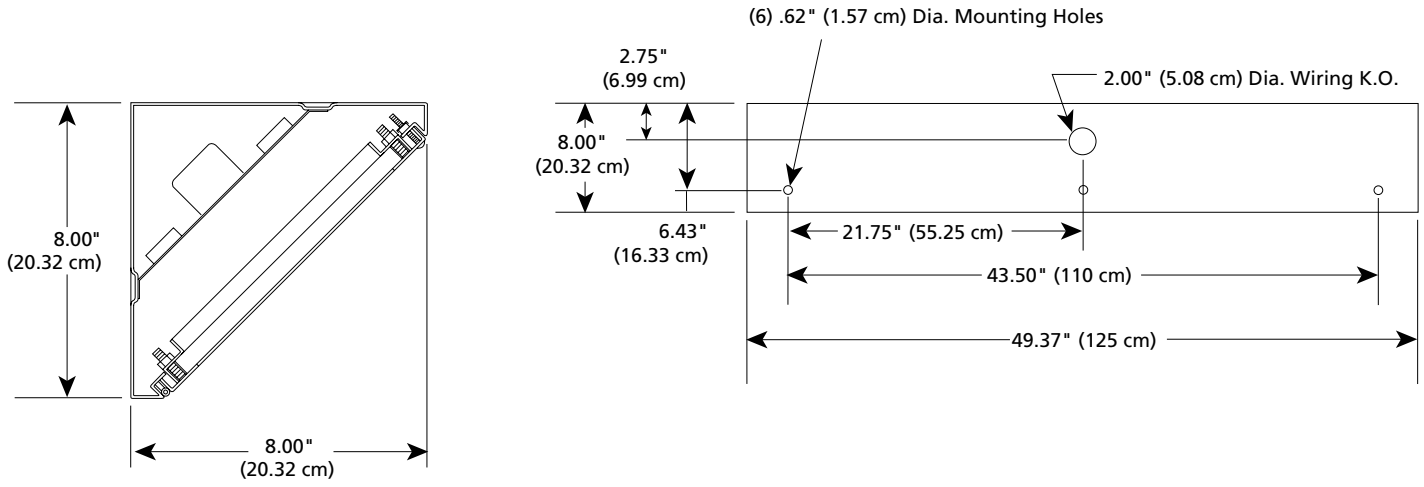
This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.

A brand of **legrand**

MIGHTY MAC™

CD SERIES - TUNABLE WHITE LED

DIMENSIONAL DATA



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

A brand of Legrand

This product complies with the Buy American Act: manufactured in the United States with more than 50% of the component cost of US origin. It may be covered by patents found at www.kenall.com/patents. Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2022 Kenall Mfg. Co.