

# 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](http://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 |
|------------------------------|----------|---|------------|-------------------------------|-------------|---|--------------------|--------------------------------|---------|
| <b>CC</b>                    | <b>4</b> | <b>/</b>  |            |                               |             |   | <b>SYM /</b>       |                                |         |
| <b>Nominal Size</b>          |          | <b>Lamp Power</b>                               |            | <b>Voltage</b>                |             | <b>Fastener</b>   |                    |                                |         |
| 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                 |             |   |                    |                                |         |
| <b>Housing/Base Material</b> |          | <b>Lamp Color</b>                               |            | <b>Lens (Inner/Outer)‡</b>    |             | <b>Options</b>  |                    |                                |         |
| 0 14-Ga CRS (Painted White)  |          | 27/65K8 2700-6500K CCT Range (82 CRI min)       |            | SYM .125" Diffused DR Acrylic |             | LEL LED Emergency Battery Backup (45T max., wired to cool white circuit)        |                    |                                |         |
| 1 16-Ga CRS (Painted White)  |          | 27/65K9 2700-6500K CCT Range (92 CRI min)       |            | G .125" Clear Polycarbonate   |             | DLN LED Night Light w/Light Level Control (voltage specific selection required) |                    |                                |         |
| 3 14-Ga SS (Painted White)   |          |   |            | 7 .187" Clear Polycarbonate   |             | FS Single Fuse & Holder   |                    |                                |         |
| 4 16-Ga SS (Painted White)   |          |   |            | 8 .187" Clear Tempered Glass  |             | IHF Full Length Internal Hinge  |                    |                                |         |
| 6* 14-Ga SS (Brushed)        |          |   |            | 9 .250" Clear Polycarbonate   |             | RGT Removable Gear Tray   |                    |                                |         |
| 7* 16-Ga SS (Brushed)        |          |   |            | A .250" Clear Tempered Glass  |             | SK Speaker Housing Extension  |                    |                                |         |
| 9 12-Ga CRS (Painted White)  |          |   |            | B .375" Clear Polycarbonate   |             | WL Wet Location Listed  |                    |                                |         |
|                              |          | <b>Driver Type</b>                              |            | C .375" Clear Tempered Glass  |             |   |                    |                                |         |
|                              |          | 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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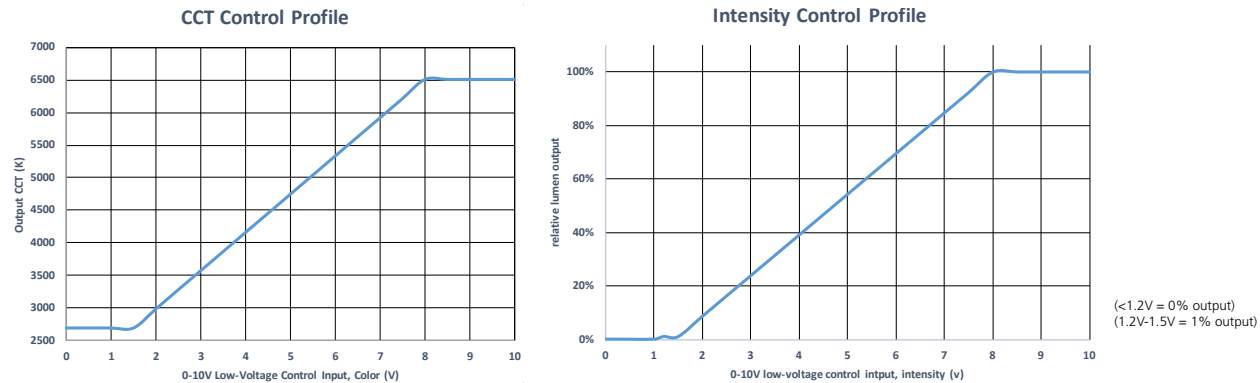
| Lamp Type   | Performance at 4000K Tuning |                 |                 |                          |
|-------------|-----------------------------|-----------------|-----------------|--------------------------|
|             | Lumen Output (lm)           | Efficacy (lm/W) | Input Power (W) | Estd. 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](http://www.kenall.com) for additional information.

### PERFORMANCE SCALING, BY LAMP COLOR

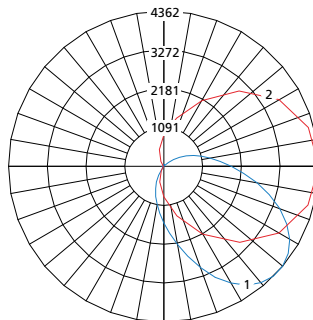
| CCT (K) | 27/65K8            |    |    |    |    | 27/65K9            |    |    |    |     |
|---------|--------------------|----|----|----|----|--------------------|----|----|----|-----|
|         | LUMEN SCALE FACTOR | Ra | R9 | Rf | Rg | LUMEN SCALE FACTOR | Ra | R9 | Rf | Rg  |
| 2700    | 0.97               | 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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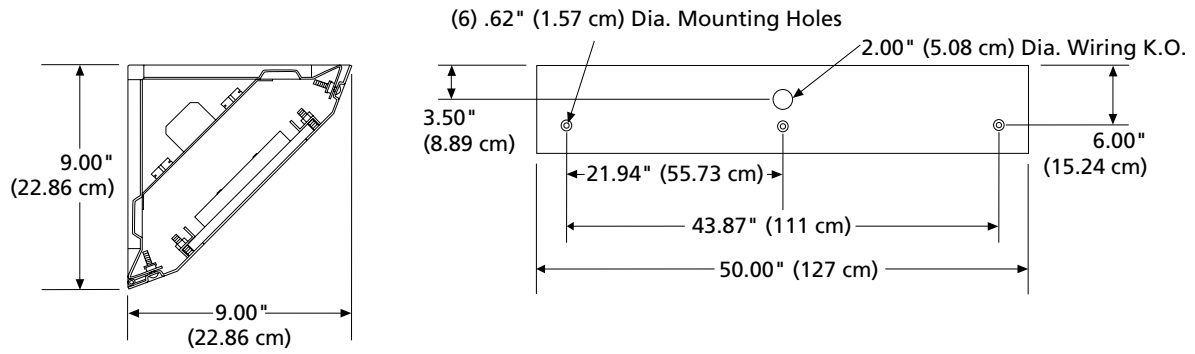
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### DIMENSIONAL DATA



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