

# MIGHTY MAC™

## WCU SERIES

### PRODUCT FEATURES:

- » Surface wall mount – (7"×11")×29", (7"×11")×53"
- » Two apertures provide up and down light
- » 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.

**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 total thickness .625" – see Ordering Information. Kenall recommends a clear outer lens with a prismatic, textured or diffused inner 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.

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

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

**ELECTRICAL:** LED only: Available 3500K, 4000K and 5000K color temperatures, 82 CRI. 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current driver (<20% THD, >0.95 PF). Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities (non dim-to-dark with 347V); 330 µA max. source current. **LF:** 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.

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

**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: WCU-4-1/1-45L40K-DCC-DV-SYM/B-FS)

| Model   | Size                | Hsg./Base Plate                                | Lamp Qty | Lamp Type  | Driver/Ballast | Circuit Qty | Voltage   | Lens (Inner/Outer) | Fasteners | Options |
|---|---------------------|--|----------|--|----------------|-------------|---|--------------------|-----------|---------|
| <b>WCU</b>  |                     |  |          |  |                |             |   |                    |           |         |
| <b>Nominal Size</b>                                   |                     | <b>Lamp Type</b>                               |          | <b>Voltage</b>   |                |             | <b>Options</b>  |                    |           |         |
| 2   | (7"×11")×29"        | <b>2' Nominal Length</b>                       |          | <b>DV</b>  | 120-277 Volts  |             | <b>LEL</b> Integral 8.4W Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient)                      |                    |           |         |
| 4   | (7"×11")×53"        | <b>25L35K</b> 25 Watt 3500K LED                |          | <b>120</b>   | 120 Volts      |             | <b>LELST</b> Integral 6W Self-Testing Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient)         |                    |           |         |
| <b>Housing/Base Material</b>                          |                     | <b>25L40K</b> 25 Watt 4000K LED                |          | <b>277</b>   | 277 Volts      |             | <b>EL†</b> Standard Lumen EL Pack   |                    |           |         |
| 0   | 14-Ga CRS (Painted) | <b>25L50K</b> 25 Watt 5000K LED                |          | <b>347</b>   | 347 Volts      |             | <b>DLN</b> LED Night Light w/Light Level Control (100% - 20% voltage specific selection required; n/a 347V) |                    |           |         |
| 1   | 16-Ga CRS (Painted) | <b>17</b> F17T8                                |          | <b>Lens (Inner/Outer)‡</b>                                     |                |             | <b>FS</b> Single Fuse & Holder  |                    |           |         |
| 3   | 14-Ga SS (Painted)  | <b>4' Nominal Length</b>                       |          | <b>SYM•</b> Symmetric, Diffused DR Acrylic (n/a as outer lens) |                |             | <b>IHF</b> Full Length Internal Hinge   |                    |           |         |
| 4   | 16-Ga SS (Painted)  | <b>45L35K</b> 45 Watt 3500K LED                |          | <b>0</b> No Lens   |                |             | <b>RGT</b> Removable Gear Tray  |                    |           |         |
| 6*  | 14-Ga SS (Brushed)  | <b>45L40K</b> 45 Watt 4000K LED                |          | <b>1</b> .125" Prismatic Acrylic                               |                |             | <b>RPL•</b> Recessed Push Switch – Left side (as viewed facing fixture)                                     |                    |           |         |
| 7*  | 16-Ga SS (Brushed)  | <b>45L50K</b> 45 Watt 5000K LED                |          | <b>2</b> .125" Prismatic Polycarbonate                         |                |             | <b>RPR•</b> Recessed Push Switch – Right side (as viewed facing fixture)                                    |                    |           |         |
| 9   | 12-Ga CRS (Painted) | <b>32</b> F32T8                                |          | <b>3</b> .125" Textured Polycarbonate                          |                |             | <b>SKL</b> Speaker Hsg Extension – Left side (as viewed facing fixture)                                     |                    |           |         |
| <b>Lamp Quantity (Up/Down)</b>                        |                     | <b>Driver/Ballast Type</b>                     |          | <b>4</b> .156" Prismatic Polycarbonate                         |                |             | <b>SKR</b> Speaker Hsg Extension – Right side (as viewed facing fixture)                                    |                    |           |         |
| <b>Choose 1/1 for LED lamping (Uplight Component)</b> |                     | <b>IS</b> Instant Start Electronic <10% THD    |          | <b>6</b> .125" Textured Tempered Glass                         |                |             | * n/a as Base Material  |                    |           |         |
| 1   | One                 | <b>RS</b> Rapid Start Electronic <10% THD      |          | <b>7A</b> .187" Clear Polycarbonate                            |                |             | ‡ Refer to lens specifications  |                    |           |         |
| 2   | Two                 | <b>DCC</b> Dimming Constant Current LED Driver |          | <b>8A</b> .187" Clear Tempered Glass                           |                |             | ♦ n/a with 347V   |                    |           |         |
| <b>(Downlight Component)</b>                          |                     | <b>Circuit Quantity (n/a with LED)</b>         |          | <b>9A</b> .250" Clear Polycarbonate                            |                |             | † n/a with LED lamping  |                    |           |         |
| 1   | One                 | <b>1</b> One                                   |          | <b>A•</b> .250" Clear Tempered Glass                           |                |             | ▲ Must be paired with prismatic, textured or diffused lens when ordering LED lamps                          |                    |           |         |
| 2   | Two                 | <b>2</b> Two                                   |          | <b>B•</b> .375" Clear Polycarbonate                            |                |             | ● Can only be used with clear or no outer lens  |                    |           |         |
|   |                     |  |          | <b>C•</b> .375" Clear Tempered Glass                           |                |             |   |                    |           |         |
|   |                     |  |          | <b>J•</b> .500" Clear Polycarbonate                            |                |             |   |                    |           |         |
|   |                     |  |          | <b>P•</b> .500" Clear Tempered Glass                           |                |             |   |                    |           |         |
|   |                     |  |          | <b>Fastener</b>  |                |             |   |                    |           |         |
|   |                     |  |          | <b>1</b> Torx® Head w/ Center Pin                              |                |             |   |                    |           |         |
|   |                     |  |          | <b>2</b> Allen Head w/ Center Pin                              |                |             |   |                    |           |         |



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# MIGHTY MAC™

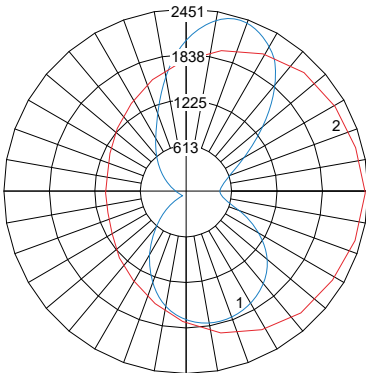
## WCU SERIES

### PERFORMANCE

| Model | Lamp Type | Initial Delivered Lumens |                 | Input Power (W) | Drive Current (mA) | Estd. L70 LED Life (Hrs) |
|-------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
|       |           | @ 25°C                   | Efficacy (lm/W) |                 |                    |                          |
| WCU-2 | 25L35K    | 4,552                    | 80              | 57              | 117                | 80,000                   |
|       | 25L40K    | 4,708                    | 83              | 57              | 117                | 80,000                   |
|       | 25L50K    | 4,901                    | 86              | 57              | 117                | 80,000                   |
| WCU-4 | 45L35K    | 8,619                    | 93              | 92              | 100                | 80,000                   |
|       | 45L40K    | 8,913                    | 97              | 92              | 100                | 80,000                   |
|       | 45L50K    | 9,278                    | 101             | 92              | 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](http://www.kenall.com) for IES files and additional information.

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



Maximum Candela = 2354 Located At Horizontal Angle = 0, Vertical Angle = 70

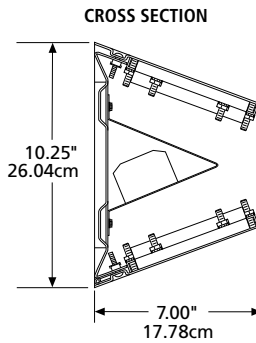
- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

### 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.

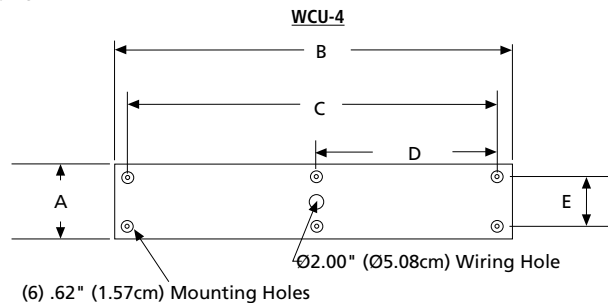
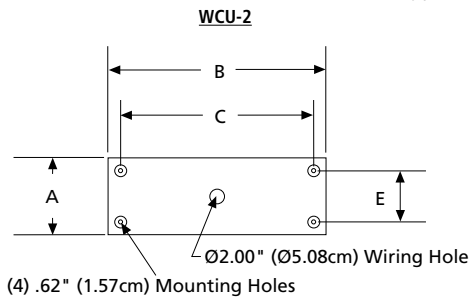
### DIMENSIONAL DATA



### 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>(135cm)</b>    | 26.04cm | 134cm   | 122cm   | 60.96cm | 12.70cm |

### MOUNTING HOLES



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