

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



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%.

LED MODULE: Serviceable mid-power LED array. Minimum 80 CRI standard (R9>0), consult factory for optional 90CRI (R9>50). Maximum three-step MacAdam ellipse variation. See Ordering Information for available color temperature options.

DRIVER: 120-277VAC or 347VAC, 50/60Hz electrical input with serviceable constant-current driver (<20% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities; 0.4mA maximum source current.

SENSOR & CONTROLS: Optional sensor available with compatible third party controls. To see the full list of compatible controls, click [here](#).

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

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

LISTINGS: Luminaire is certified to UL1598 and UL8750 standards by Intertek Testing Services for Damp Locations. Build America, Buy America Act compliant.



ORDERING INFORMATION (Ex: WCU-4-1/1-45L40K-DCC-DV-SYM/B-FS)

| Model | Size | Housing/Door | Lamp Code | Driver Type | Input Voltage | Lens (Inner/Outer) | Fasteners | Options |
|------------------------------|---------------------|------------------------------------------------|-----------|-----------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------|-----------|---------|
| WCU | | / | | DCC | | / | | |
| Nominal Size | | Lamp Code | | Lens (Inner/Outer)† | | Options | | |
| 2 | (7"×11")×29" | 2' Nominal Length | | SYM • Symmetric, Diffused DR Acrylic (n/a as outer lens) | | LEL Integral 10W Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient) | | |
| 4 | (7"×11")×53" | 25L30K 25 Watt 3000K LED | | 0 No Lens | | LELST Integral 6W Self-Testing Emergency Battery Backup (4' only; n/a 347V, 0°C min ambient) | | |
| | | 25L35K 25 Watt 3500K LED | | 1 .125" Prismatic Acrylic | | NLW • 2700K White LED Night Light | | |
| Housing/Base Material | | 25L40K 25 Watt 4000K LED | | 2 .125" Prismatic Polycarbonate | | NLA • Amber LED Night Light | | |
| 0 | 14-Ga CRS (Painted) | 25L50K 25 Watt 5000K LED | | 3 .125" Textured Polycarbonate | | FS Single Fuse & Holder | | |
| 1 | 16-Ga CRS (Painted) | | | GA • .125" Clear Polycarbonate | | IHF Full Length Internal Hinge | | |
| 3 | 14-Ga SS (Painted) | 4' Nominal Length | | 4 .156" Prismatic Polycarbonate | | RGT Removable Gear Tray | | |
| 4 | 16-Ga SS (Painted) | 45L30K 45 Watt 3000K LED | | TG .250" Textured Tempered Glass | | RPL • Recessed Push Switch – Left side (as viewed facing fixture) | | |
| 6* | 14-Ga SS (Brushed) | 45L35K 45 Watt 3500K LED | | 6 .187" Prismatic Polycarbonate | | RPR • Recessed Push Switch – Right side (as viewed facing fixture) | | |
| 7* | 16-Ga SS (Brushed) | 45L40K 45 Watt 4000K LED | | 7A .187" Clear Polycarbonate | | SKL Speaker Hsg Extension – Left side (as viewed facing fixture) | | |
| 9 | 12-Ga CRS (Painted) | 45L50K 45 Watt 5000K LED | | 8A .187" Clear Tempered Glass | | SKR Speaker Hsg Extension – Right side (as viewed facing fixture) | | |
| | | Driver Type | | 9A .250" Clear Polycarbonate | | | | |
| | | DCC Dimming Constant Current LED Driver | | A • .250" Clear Tempered Glass | | | | |
| | | Input Voltage | | B • .375" Clear Polycarbonate | | | | |
| | | DV 120-277VAC, 50/60Hz | | C • .375" Clear Tempered Glass | | | | |
| | | 347 347VAC, 60Hz | | J • .500" Clear Polycarbonate | | | | |
| | | | | PA • .500" Clear Tempered Glass | | | | |
| | | | | Fastener | | | | |
| | | | | 1 Torx® T-20 Head w/ Center Pin | | | | |
| | | | | 2 Allen Head w/ Center Pin | | | | |



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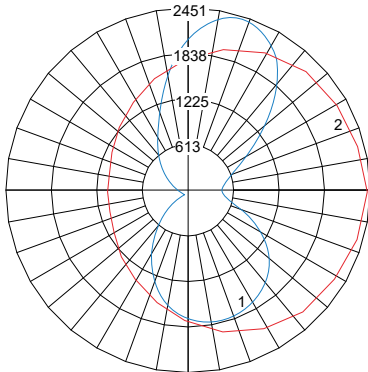
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PERFORMANCE

| Model | Lamp Type | Initial Delivered Lumens | | Input Power (W) | Drive Current (mA) | Estd. L70 LED Life (Hrs) |
|-------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
| | | @ 25°C | Efficacy (lm/W) | | | |
| WCU-2 | 25L30K | 4,416 | 78 | 57 | 117 | >72,000 |
| | 25L35K | 4,552 | 80 | 57 | 117 | >72,000 |
| | 25L40K | 4,708 | 83 | 57 | 117 | >72,000 |
| | 25L50K | 4,901 | 86 | 57 | 117 | >72,000 |
| WCU-4 | 45L30K | 8,360 | 91 | 92 | 100 | >72,000 |
| | 45L35K | 8,619 | 93 | 92 | 100 | >72,000 |
| | 45L40K | 8,913 | 97 | 92 | 100 | >72,000 |
| | 45L50K | 9,278 | 101 | 92 | 100 | >72,000 |

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: 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 |
| 1/9 | 1/4" Clear PC | | 0.99 |
| 1/B | 3/8" Clear PC | | 0.99 |
| 2/J | 1/2" Clear PC | | 0.87 |

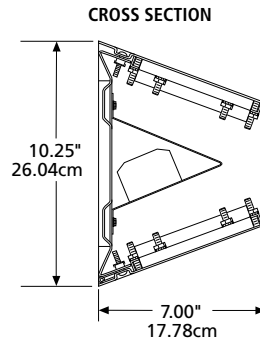
NOTE: Use this table to determine the lumen output and efficacy of the desired lens configuration by multiplying the provided value with the appropriate number in the "Performance" table above.



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DIMENSIONAL DATA



DIMENSIONAL DATA (IN INCHES & CM)

| | A | B | C | D | E |
|-------------------|---------|---------|---------|---------|---------|
| 29" Length | 10.25 | 28.75 | 24.00 | — | 5.00 |
| (73.66cm) | 26.04cm | 73.03cm | 60.96cm | — | 12.70cm |
| 53" Length | 10.25 | 52.75 | 48.00 | 24.00 | 5.00 |
| (135cm) | 26.04cm | 134cm | 122cm | 60.96cm | 12.70cm |

MOUNTING HOLES

