MIGHTY MAC™

WCUS SERIES

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

PRODUCT FEATURES:

- Wall-mounted luminaire with bi-directional illumination (up/down)
- Innovative door-free design eliminates the possibility of contraband concealment and tampering
- Designed for permanent installation
- One-piece, TIG-welded housing with reinforced, continuous lens retention
- LED thermal management and under-stressed driver to promote long life expectancy



SPECIFICATIONS

HOUSING: One-piece die-formed prime grade material as specified – see Ordering Information. Cold-rolled steel and painted stainless steel options are finished with a gloss white TGIC polyester powder coat finish with 5-stage pre-treatment. Continuous seam-welded and smoothed corners with no post grinding (TIG). Housing resistant to penetration and contraband concealment. One-piece concealed lens retention bracket.

OPTICS: High-efficiency diffused, impact-resistant acrylic inner lens with clear polycarbonate or tempered glass outer lens. See Ordering Information for selection options. Maximum 0.625" overall thickness.

LED MODULE: Serviceable mid-power LED array. 3500K, 4000K and 5000K color temperature options with maximum 3-step MacAdam variation allowance. Minimum 82CRI standard (R9>20) with 90CRI (R9>50) optional.

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 (non dim-to-dark with 347V); maximum 165µA maximum source current. Optional eldoLED ECOdrive DALI drivers with 1-100% range.

CONTROLS: Optional embedded microwave motion sensor (MS) has factory default settings of 20 minute time out, dims down to 30%.

INSTALLATION: Wall-mount installation via external mounting holes using six (6) high-security bolts (provided by others).

WARRANTY: Limited five (5) year LED and driver warranty.

LISTINGS: Luminaire is certified to UL Standards by Intertek Testing Laboratory for Damp Location. Build America, Buy America Act compliant.

ORDERING INFORMATION (Ex: WCUS-3-0-35L/35L-35K8-DIM1-DV-SYM/B-FS)

Model	Length	Hsg. Material	Lamp Power	Lamp Color	Driver Type	Voltage	Lens (Inner/Outer)	Options
WCUS	**3**						**SYM /**	

Length
3 3' Nominal

Housing Material
0 14-Ga CRS in Gloss White
1 16-Ga CRS in Gloss White
3 14-Ga Type 304 Stainless Steel in Gloss White
4 16-Ga Type 304 Stainless Steel in Gloss White
9 12-Ga CRS in Gloss White

Lamp Power
24L/24L 24 Watt LED Up / 24 Watt LED Down
35L/35L 35 Watt LED Up / 35 Watt LED Down

Lamp Color
35K8 3500K / 82 CRI min.
35K9 3500K / 90 CRI min.
40K8 4000K / 82 CRI min.
40K9 4000K / 90 CRI min.
50K8 5000K / 82 CRI min.

Driver Type
DIM1 0-10V Dimming to 1%
DALI DALI Dimming to 1%

Voltage
DV 120-277VAC, 50/60Hz
347 347VAC, 60Hz (DIM1 only)

Lens (Inner/Outer)
SYM† .125" Diffused DR Acrylic
G .125" Clear Polycarbonate
7 .187" Clear Polycarbonate
8 .187" Clear Tempered Glass
9 .250" Clear Polycarbonate
A .250" Clear Tempered Glass
B .375" Clear Polycarbonate
C .375" Clear Tempered Glass
J .500" Clear Polycarbonate
P .500" Clear Tempered Glass

Options
LELST Integral 6W Self-Testing Emergency Battery Backup (n/a 347V)
FS Single Fuse & Holder
MS Embedded Microwave Motion Sensor (DIM1 only; n/a 347V)
NLW 2700K White LED Night Light (n/a 347V)
NLA Amber LED Night Light (n/a 347V)
2C Two-Circuit Wiring

† Not available as Outer lens or as standalone lens option

This product is able to comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Act (TAA), Build America, Buy America Act (BABA), and others. 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. ©2025 Kenall Mfg.Co.

MIGHTY MAC™

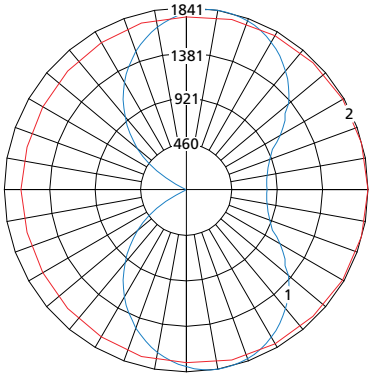
WCUS SERIES

PERFORMANCE

Lamp Power	Initial Delivered Lumens, by CCT (lm)					Efficacy (lm/W)	Input Power (W)	Drive Current (mA)	Estd. L_{70} LED Life (Hrs)
	35K8	35K9	40K8	40K9	50K8				
24/24L	7,000	6,056	7,137	6,115	7,334	106 - 128	57	94	80,000
35/35L	9,797	8,476	9,990	8,559	10,265	104 - 127	81	131	65,000

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: WCUS-3-y-35L/35L-40K8-DIM1-zzz-SYM-B



Maximum Candela = 1841 Located At Horizontal Angle = 0, Vertical Angle = 10

1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)

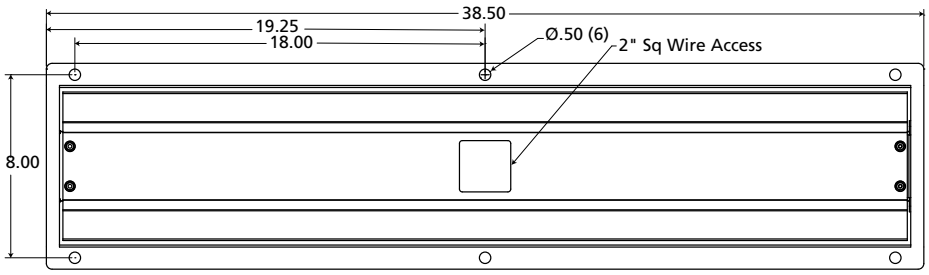
LUMEN OUTPUT SCALING FACTORS

Lens Configuration	Outer Lens	Scaling Factor
SYM/G	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

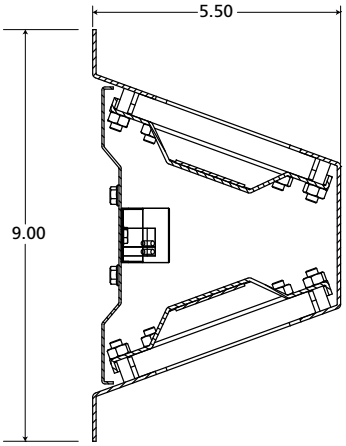
NOTE: Use this table to determine the lumen output and efficacy with the desired lens configuration by multiplying the provided value with the appropriate number in the 'Performance' table above.

DIMENSIONAL DATA

BACK VIEW



CROSS SECTION



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