

MEDMASTER™ AMBIENT

AMB SERIES using Indigo-Clean Technology

PROJECT INFORMATION

Job Name _____

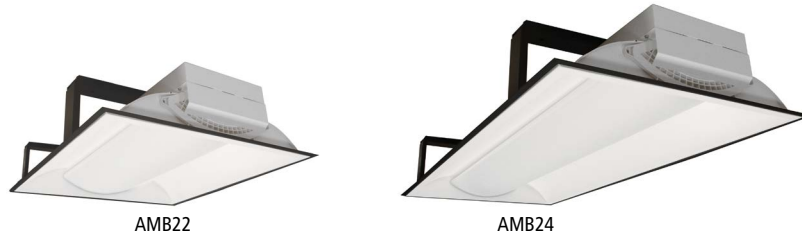
Fixture Type _____

Catalog Number _____

Approved by _____

PRODUCT FEATURES:

- » Recessed mount – Flange or Grid; 2'×2', 2'×4'
- » Provides on-demand environmental disinfection via LED light
- » Single, white disinfection mode
- » Independent laboratory tested to kill harmful bacteria, including Staph*, such as MRSA**
- » Tool-less access for relamping and maintenance



SPECIFICATIONS

HOUSING: 20-gauge CRS. One-piece construction. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours.

FLANGE: 18-gauge CRS, standard 4-piece construction, spot-welded to hanger bars and secured to housing. Mitered and welded corners. Black TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours.

REFLECTOR/LENS ASSEMBLY: 20-gauge CRS. One-piece seam-welded construction. Tool-free lamp access. White High (92%) Reflectance Low Gloss TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours.

LAMP SHIELDING: Fully gasketed, sealed luminous shield of impact resistant DR acrylic.

ELECTRICAL: Single, white disinfection mode. Serviceable mid-power white and 405nm Indigo LED array. Available 3200K, 3700K and 4300K color temperature with 3-step MacAdam variation allowance. Minimum 82 CRI standard. 120-277VAC and 347VAC, 50/60Hz electrical input with serviceable high power factor electronic, constant-current drivers (<10% THD, >0.90 PF). Minimum 85% driver efficiency. Standard 0-10V dimming with 1-100% range and dim-to-dark capabilities. 400µA maximum source current.

INSTALLATION: GRID MOUNT: Designed for 1" and Slot-T grid. Includes hardware to secure hanger wire. FLANGE MOUNT: Includes Frame Kit.

WARRANTY: Limited five (5) year LED warrant.

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.

LISTINGS: UL and CUL Listed for Damp Location. NSF2 Splash/Non-Food Zone.

* Per independent lab report #5GS-09516076094. Contact Kenall for a copy of this report.

**Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, ID Week 2016.



ORDERING INFORMATION (Ex: AMB24-G-82C37K-DCC-DV-FA)

| Model | Mounting | Lamp Type | Driver Type | Voltage | Lens Type | Options |
|-------------------------|----------|---|-------------|--|-----------|---------|
| | | | DCC | | FA | |
| Model | | Lamp Type | | Voltage | | |
| AMB22 2'×2' | | 2×2 | | DV 120-277 Volts | | |
| AMB24 2'×4' | | 55C32K 55 Watt 3200K White & Indigo LED (82 CRI) | | 347 347 Volts | | |
| | | 55C37K 55 Watt 3700K White & Indigo LED (82 CRI) | | | | |
| | | 55C43K 55 Watt 4300K White & Indigo LED (82 CRI) | | | | |
| Mounting Options | | 2×4 | | Lens Type | | |
| G Grid (1") | | 55C32K 55 Watt 3200K White & Indigo LED (82 CRI) | | FA Frost DR Acrylic | | |
| ST Grid (Slot T) | | 55C37K 55 Watt 3700K White & Indigo LED (82 CRI) | | | | |
| F Flange | | 55C43K 55 Watt 4300K White & Indigo LED (82 CRI) | | Options | | |
| | | 82C32K 82 Watt 3200K White & Indigo LED (82 CRI) | | AMF Antimicrobial Low-Gloss White on exposed surfaces of Reflector/Lens Frame | | |
| | | 82C37K 82 Watt 3700K White & Indigo LED (82 CRI) | | FS Fuse & Holder | | |
| | | 82C43K 82 Watt 4300K White & Indigo LED (82 CRI) | | | | |
| | | 110C32K 110 Watt 3200K White & Indigo LED (82 CRI) | | | | |
| | | 110C37K 110 Watt 3700K White & Indigo LED (82 CRI) | | | | |
| | | 110C43K 110 Watt 4300K White & Indigo LED (82 CRI) | | | | |
| | | Driver Type | | | | |
| | | DCC 0-10V Dimming Constant Current | | | | |



www.kenall.com

P: 800-4-Kenall

F: 262-891-9701

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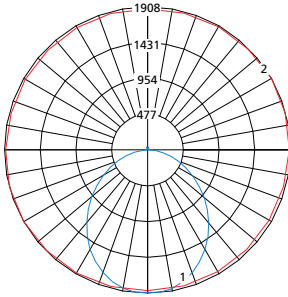
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PERFORMANCE

| Model | Lamp Type | Initial Delivered Lumens | | Input Power (W) | Drive Current (mA) | Estd. L70 LED Life (Hrs) |
|---------|-----------|--------------------------|-----------------|-----------------|--------------------|--------------------------|
| | | @ 25°C (lm) | Efficacy (lm/W) | | | |
| AMB22 | 55C32K | 4,988 | 80 | 62 | 125 | 80,000 |
| | 55C37K | 5,117 | 83 | 62 | 125 | 80,000 |
| | 55C43K | 5,169 | 83 | 62 | 125 | 80,000 |
| AMB24 | 55C32K | 6,240 | 99 | 63 | 125 | 80,000 |
| | 55C37K | 6,401 | 102 | 63 | 125 | 80,000 |
| | 55C43K | 6,466 | 103 | 63 | 125 | 80,000 |
| | 82C32K | 9,422 | 101 | 93 | 93 | 80,000 |
| | 82C37K | 9,666 | 104 | 93 | 93 | 80,000 |
| | 82C43K | 9,765 | 105 | 93 | 93 | 80,000 |
| | 110C32K | 11,611 | 93 | 125 | 125 | 80,000 |
| | 110C37K | 11,912 | 95 | 125 | 125 | 80,000 |
| 110C43K | 12,034 | 96 | 125 | 125 | 80,000 | |

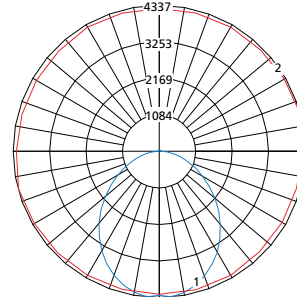
Information subject to change without notice. Visit www.kenall.com for IES files and additional information.

Model: AMB22-XX-55C37K-DCC-DV-FA



Max Candela = 1908 Located At Horizontal Angle = 30, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (30 - 210) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

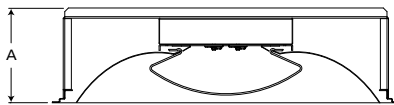
Model: AMB24-XX-110C37K-DCC-DV-FA



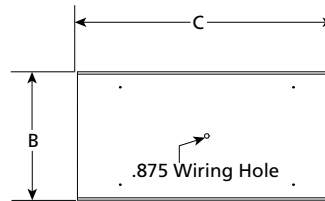
Max Candela = 4337 Located At Horizontal Angle = 15, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

DIMENSIONAL DATA

SIDE VIEW



TOP VIEW



DIMENSIONAL DATA

| | A | B | C |
|---|-------|--------|--------|
| AMB22 | 6.45" | 23.75" | 23.75" |
| Recommended ceiling cutout for 2x2 Flange Frame Kit is 24.50" x 24.50" | | | |
| AMB24 | 6.45" | 23.75" | 47.75" |
| Recommended ceiling cutout for 2x4 Flange Frame Kit is 24.50" x 48.50" | | | |



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