

MEDMASTER™ AMBIENT

AMB SERIES – TUNABLE WHITE LED

PROJECT INFORMATION

Job Name _____

Fixture Type _____

Catalog Number _____

Approved by _____

PRODUCT FEATURES:

- » Recessed mount – Flange or Grid; 2'×2', 2'×4'
- » High-output high-CRI LED lamp services with 2700K-6500K white tuning capability
- » Tool-less access for servicing
- » Wipe-down cleanability with NSF2 rating



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.

OPTIC: Extruded high-efficiency frosted DR acrylic diffuser.

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.

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

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

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.



ORDERING INFORMATION (Ex: AMB24-G-67T-27/65K8-ATW-DV-FA-FS)

Model	Mounting	Lamp Power	Lamp Color	Driver Type	Voltage DV	Lens Type FA	Options
Model		Lamp Power			Input Voltage		
AMB22 2'×2'		2×2			DV 120-277 Volts		
AMB24 2'×4'		45T	45W Tunable White			Lens Type	
						FA Frost DR Acrylic	
Mounting Options		2×4				Options	
G Grid (1")		45T	45W Tunable White			AMF Antimicrobial Low-Gloss White on exposed surfaces of Reflector/Lens Frame	
ST Grid (Slot T)		67T	67W Tunable White			FS Fuse & Holder	
F Flange		90T	90W Tunable White				
		Lamp Color					
		27/65K8	2700-6500K CCT Range (82 CRI min)				
		27/65K9	2700-6500K CCT Range (92 CRI min)				
		Driver Type					
		ATW	Analog (0-10V) Dimming Tunable White Driver				
		DTW	DALI Tunable White Driver				
		DMX	DMX Tunable White Driver (Consult Factory)				



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PERFORMANCE

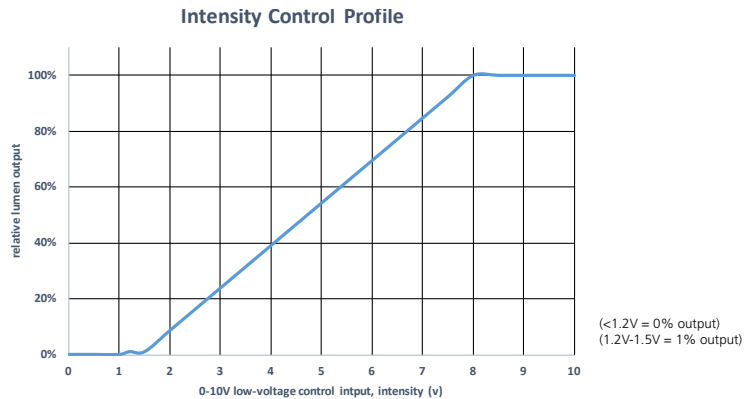
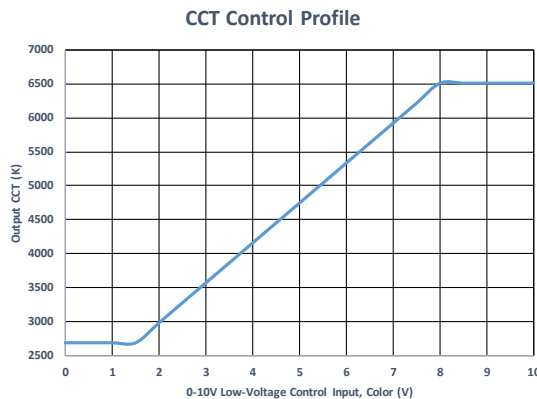
Model	Lamp Type	Performance at 4000K Tuning			Estd. L70 LED Life (Hrs)
		Lumen Output (lm)	Efficacy (lm/W)	Input Power (W)	
AMB22	45T-27/65K8	5,130	112	46	80,000
	45T-27/65K9	4,135	90	46	80,000
AMB24	45T-27/65K8	5,853	127	46	80,000
	45T-27/65K9	4,717	103	46	80,000
	67T-27/65K8	8,756	129	68	80,000
	67T-27/65K9	7,253	107	68	80,000
	90T-27/65K8	11,373	124	92	60,000
	90T-27/65K9	9,166	100	92	60,000

Information subject to change without notice. Visit www.kenall.com for ies files 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.



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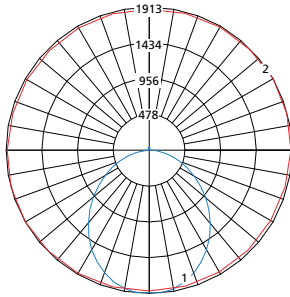
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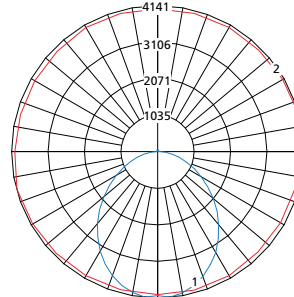
PERFORMANCE

Model: AMB22-G-45T-27-65K8-ATW-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.)

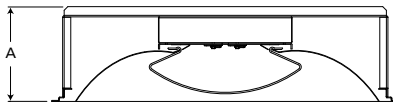
Model: AMB24-G-90T-27-65K8-ATW-FA



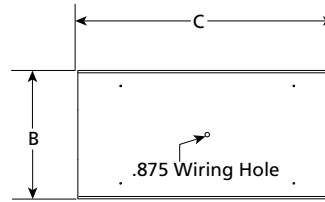
Max Candela = 4337 Located At Horizontal Angle = 15, Vertical Angle = 5
 1 - Vertical Plane Through Horizontal Angles (15 - 195) (Through Max. Cd.)
 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

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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