MEDMASTER ENVELA®

ME SERIES – TUNABLE WHITE LED

PRODUCT FEATURES:

- » Recessed Ceiling mount 1'×4', 2'×2', 2'×4'
- » High-output high-CRI LED lamp services with 2700K-6500K white tuning capability
- » Cleanable to NSF2 and sealed to IP64 construction standards
- » Tool-less access for servicing

SPECIFICATIONS

HOUSING: 20-gauge CRS. One-piece seam welded construction. Housing flange in 18-gauge CRS, with mitered and welded corners, spot-welded to housing. Mitered and welded corners. Black TGIC polyester powder coat - 5-stage pre-treatment. Salt spray test: 1,000 hours.

REFLECTOR/LENS ASSEMBLY: Fully gasketed, sealed luminous shield diffuser constructed of impact-resistant frost DR acrylic. Reflector constructed in one-piece, formed 20-gauge CRS. Low-gloss white TGIC polyester powder coat with 5-stage pre treatment. Salt spray test 1,000 hours. Tool less lamp access.

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. Optional DALI (Type 8) driver. Logarithmic intensity profile with 0.1-100% range, with dim-to-dark capabilities. Linear profile on CCT adjustment. Refer to charts on page 2 for further details.

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

DMX DMX Tunable White Driver (Consult Factory)

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.

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

LISTINGS: Luminaire is certified to UL standards by Intertek Testing Laboratories for Wet Locations and non-IC recessed installations. Certified IP64 per IEC 60598. NSF2 Splash/Non-Food Zone. CCEA Approved.



ORDERING INFORMATION (Ex: ME24-G-45T-27/65K9-ATW-DV-FA-LVCD)

Model	Mounting	Lamp Power	Lamp Color Dr	iver Type V	oltage C	v	Lens Type FA	Options		
Series ME14 ME22	Model 1'×4' 2'×2'	Lamp Typ <u>1×4</u> 45T	e 45W Tunable White			/oltage 20-277 Vc	lts			
ME24	2'×4'	<u>2×2</u>			ens Ty A	/pe Frosted DR	Acrylic			
G ST F	ing Options Grid (1") Slot-T Grid (2x2 & 2x4 only) Flange	45T <u>2×4</u> 45T 67T 90T	45W Tunable White 45W Tunable White 67W Tunable White 90W Tunable White	A F L	Options AMF Antimicrobial Low-Gloss White on exposed surfaces of Reflector/Lens Frame FS FS Fuse & Holder LVC* Low Voltage Controller (Click here for specifications) LVCD* Low Voltage Controller with Dimming (Click here for specifications)					
		Lamp Col 27/65K8 27/65K9	or 2700-6500K CCT Range (82 2700-6500K CCT Range (92		not	compatible		ith bed controls; CCT controlled separately; C wired to provide ON/OFF control. LVCD wired trol.		
			be alog (0-10V) Dimming Tunable \ LI Tunable White Driver	White Driver						

ACCESSORIES ORDERED SEPARATELY

MPWS Low Voltage Wall Switch (Click here for Specifications)



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ME_14_22_24-TW-111721

Job Name Fixture Type Catalog Number

Approved by

PROJECT INFORMATION

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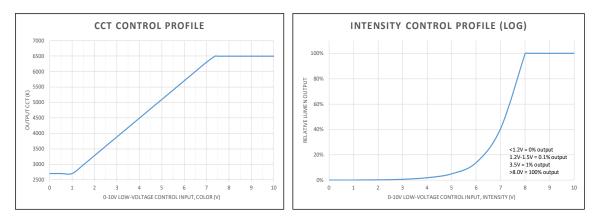
PERFORMANCE	Perfo	rmance at 400				
Model	Model Lamp Type		Lumen Efficacy Output (Im) (Im/W)		Estd. L70 LED Life (Hrs)	
ME14	45T-27/65K8	5,605	122	46	80,000	
IVIE 14	45T-27/65K9	4,518	98	46	80,000	
ME22	45T-27/65K8	5,130	112	46	80,000	
IVIE22	45T-27/65K9	4,135	90	46	80,000	
	45T-27/65K8	5,853	127	46	80,000	
	45T-27/65K9	4,717	103	46	80,000	
ME24	67T-27/65K8	8,756	129	68	80,000	
IVIEZ4	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

	27/65K8					27/65K9					
CCT (K)	LUMEN SCALE FACTOR	Ra	R9	Rf	Rg	LUMEN SCALE FACTOR	Ra	R9	Rf	Rg	
2700	0.92	83	10	83	97	0.95	92	57	89	98	
3000	0.95	84	15	83	98	0.97	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	1.00	86	28	84	98	1.00	96	90	92	100	
5000	1.01	86	25	83	98	1.01	96	96	91	101	
5700	0.99	85	23	82	98	0.99	96	96	91	100	
6500	0.99	84	16	82	96	0.99	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.



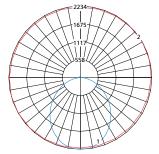
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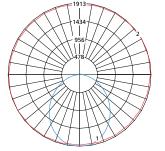
PERFORMANCE

Model: ME14-G-45T-27-65K8-ATW-FA

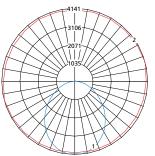


Max Candela = 1908 Located At Horizontal Angle = 30, Vertical Angle = 5 1 - Vertical Plane Through Horizontal Angles (30 - 210) (Through Max. Cd.) 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

Model: ME22-G-45T-27-65K8-ATW-FA

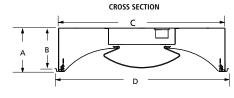


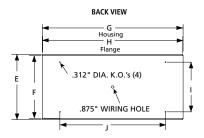
Max Candela = 1908 Located At Horizontal Angle = 30, Vertical Angle = 5 1 - Vertical Plane Through Horizontal Angles (30 - 210) (Through Max. Cd.) 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.) Model: ME24-G-90T-27-65K8-ATW-FA



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





DIMENSIONAL DATA (IN INCHES)

A
B*
C
D
E
F
G
H
J

1×4
6.30
5.93*
10.70
11.70
10.70
11.70
47.98
47.72
8.00
36.00

Recommended Ceiling Cut-Out
12.50×48.50
(Flange fixtures)
12.50×48.50
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12.50

2×2 6.30 5.93* 22.70 23.72 23.72 22.70 23.98 23.72 18.00 18.00 Recommended Ceiling Cut-Out 24.50×24.50 (Flange fixtures)

2×4 6.30 5.93* 22.70 23.72 23.72 22.70 47.98 47.72 18.00 36.00 Recommended Ceiling Cut-Out 24.50×48.50 (Flange fixtures)

*ST Mounting Option Only



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