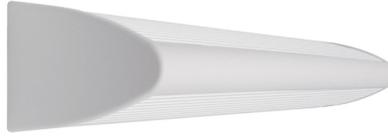


# MEDMASTER™

## MPWUD SERIES - TUNABLE WHITE LED

### PRODUCT FEATURES:

- » 48" surface wall mount luminaire with bi-directional illumination for ambient/reading functionality
- » High-output, high-CRI white LED lamp sources with 2700K-6500K white tuning capability
- » Standard antimicrobial finish



### PROJECT INFORMATION

Job Name \_\_\_\_\_

Fixture Type \_\_\_\_\_

Catalog Number \_\_\_\_\_

Approved by \_\_\_\_\_

### SPECIFICATIONS

**HOUSING:** Extruded marine grade aluminum body with die-cast end caps and attached to mounted baseplate. Housing secured with countersunk fasteners. White TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%. Matte white antimicrobial finish standard on exposed surfaces of installed luminaire.

**BASEPLATE:** 16-gauge CRS baseplate provided with four-point (24" housing) or six-point (36" housing) mounting holes and one wireway hole. TGIC polyester powder coat – 5-stage pre-treatment. Salt spray test: 1,000 hours; Reflectance: 92%.

**OPTIC:** Extruded high-efficiency diffused, impact-resistant acrylic lens.

**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:** Standard six-point mounting.

**WARRANTY:** Limited five (5) year warranty.

**LISTINGS:** Luminaire is certified to UL standards by Intertek Testing Laboratories for Damp Locations. Certified by independent lab to meet OSHPD seismic loading standard. Pre-approved by OSHPD for installation in California healthcare facilities.



### ORDERING INFORMATION (Ex: MPWUD-48-MW-1/1-45T-27/65K8-DTW-DV)

Model	Length	Finish	Lens Type	Lamp Configuration	Lamp Power	Lamp Color	Driver	Voltage	Options
<b>MPWUD</b>	<b>48</b>		<b>FA</b>		<b>45T</b>				

#### Nominal Length

**48** 48"

#### Finish

**MW** Matte White (Antimicrobial finish)  
**CC** Custom Color (Consult Factory)

#### Lens Type

**FA** Frost Acrylic

#### Lamp Configuration

**1/1** 1 Up/1 Down  
**1/0** 1 Up/0 Down (solid bottom)  
**0/1** 0 Up/1 Down (solid top)

#### Lamp Power

**45T** 45W 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)

#### Input Voltage

**DV** 120-277 Volts  
**120** 120 Volts

#### Options

**NLWL**^ 2700K LED Night Light, Left Side  
**NLWR**^ 2700K LED Night Light, Right Side  
**NLAL**^ Amber LED Night Light, Left Side  
**NLAR**^ Amber LED Night Light, Right Side  
**LEL**\* Emergency Battery Pack  
**ES** Emergency Shut-Off Switch (120V rated)  
**FS** Fuse & Holder  
**LVC**† Low Voltage Controller (Click [here](#) for specifications)  
**LVC**† Low Voltage Controller with Dimming (Click [here](#) for specifications)  
**TR** Tamper Resistant Torx® with center pin Fastener

^ n/a with 1/0 lamp configurations

\* 0/1 or 1/0 lamp configuration only. Wired to cool white LED circuit.

† Low voltage controller wired to provide ON/OFF control (and dimming control when ordered with LVC) via compatible wall/bed controls. Up-light function designated as "Ambient" on LVC Technical Guides. Down-light function designated as "Reading". CCT adjustment controlled separately. ATW Driver Type only.

### ACCESSORIES ORDERED SEPARATELY

**MPWS** Low Voltage Wall Switch (Click [here](#) for Specifications)



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MPWUD-TW-022221

# MEDMASTER™

## MPWUD SERIES - TUNABLE WHITE LED

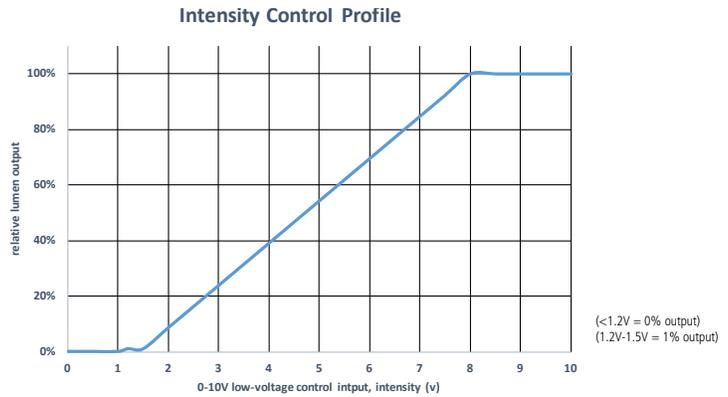
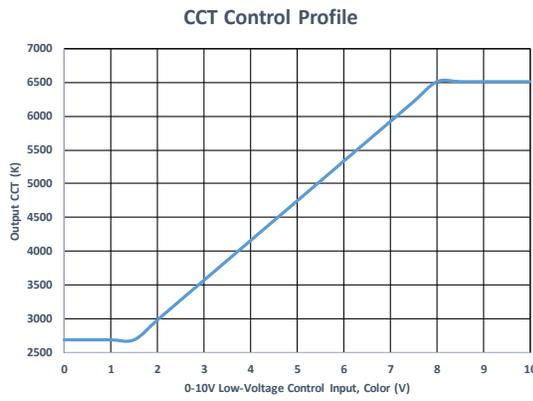
PERFORMANCE		Performance at 4000K Tuning			
Function	Lamp Type	Lumen Output (lm)	Efficacy (lm/W)	Input Power (W)	Estd. L70 LED Life (Hrs)
Up	45T-27/65K8	5,638	123	46	80,000
	45T-27/65K9	4,544	99	46	80,000
Down	45T-27/65K8	5,524	120	46	80,000
	45T-27/65K9	4,452	97	46	80,000
Up & Down	45T-27/65K8	11,092	121	92	60,000
	45T-27/65K9	8,940	97	92	60,000

Information subject to change without notice. Visit [www.kenall.com](http://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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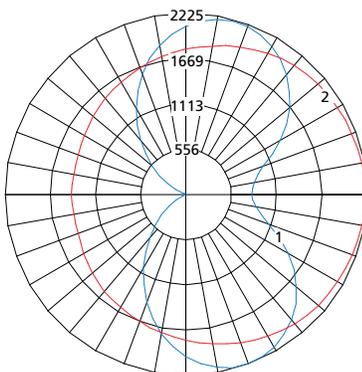
MPWUD-TW-022221

# MEDMASTER™

## MPWUD SERIES - TUNABLE WHITE LED

### PERFORMANCE

Model: MPWUD-48-MW-FA-1/1-45T-27-65K8-ATW-DV

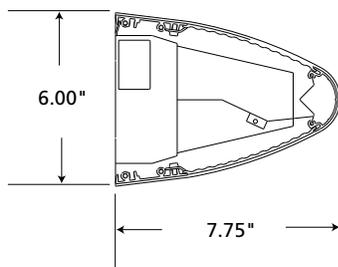


Maximum Candela = 2225 Located At Horizontal Angle = 0, Vertical Angle = 20

- 1 - Vertical Plane Through Horizontal Angles (0-180) (Through Max. Cd.)
- 2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)

### DIMENSIONAL DATA

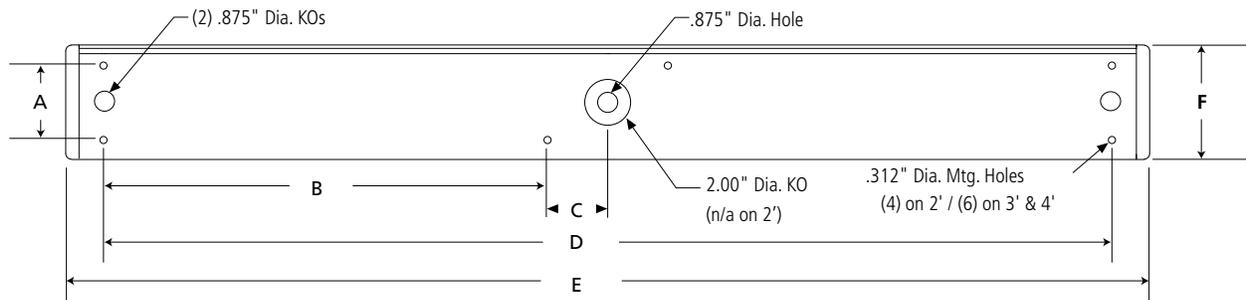
#### CROSS SECTION



#### DIMENSIONAL DATA (IN INCHES)

A	B	C	D	E	F
3.25	19.38	2.63	44.00	49.61	6.00

#### BACK VIEW



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