ADVANTAGE ENVIRONMENTAL LIGHTING

MADE IN THE USA

CATALOG #:

PROJECT:

TYPE:

METTW

BEHAVIORAL HEALTHCARE LED

MEDICO MEDICAL GRADE

The **METTW** series is tuneable white LED light and is available in 1x4, 2x2, and 2x4 sizes. The tuneable white LED system provides CCT range of 2700K-6500K, with 1% dim-to-off dimming. Driven by performance and a clean aesthetic, the METTW is constructed from premium materials with industry leading technology.

CONSTRUCTION: Housing formed from prime grade specified cold rolled steel, aluminum option available. Door made from one-piece die-formed specified material, door-frame attached to housing by two aircraft cables. Closed cell silicone gasket seals door to housing. Torx head with center pin hardened security screws standard, Allen head screws with center pin optional.

ELECTRICAL SYSTEM: Electronic, standard 0-10V, 1% dimming driver. Long-life LED system rated for >100K hours (L70 @ 50°C). Complies with federal energy efficiency standards. 80 CRI or 90 CRI LEDs available in 2700K, 3000K, 3500K, 4000K and 5000K.

FINISH: White TGIC polyester polymer powder coat 5-stage pre-treatment finish with a minimum 93% reflectivity. Salt spray test: 1,000 hours. Antimicrobial finish optional.

OPTICAL SYSTEM: Extruded high-efficiency frosted DR acrylic inner diffuser. Impact-resistant clear polycarbonate outer lens. A .125 Clear Polycarbonate lens is standard.

MOUNTING: Recessed grid and recessed flanged applications. Easy installation with adjustable 90° swing arm system standard. Universal mounting allows for both recessed flanged and recessed grid mounting.

LISTINGS: NSF = NSF2 listed (Non-Food, Splash Zone). IP65 rating, ETL listed for wet locations under covered ceiling.

WARRANTY: 5-Year Limited Warranty. Complete warranty and terms located at **www.aelnow.com/warranty**.

Ordering Information on Next Page

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ORDERING INFORMATION

Example: METTW-22-TWCCT-6L-M-B18-B18-INS-187P-M

SERIES

METTW

SIZE

14	1'x4'
22	2'x2'
24	2'x4'

CCT

TWCCT	2700K-6500K Tunable White

ILLUMINATION

1X4: 2L, 3L, 4L
2X2: 4L, 5L, 6L, 7L
2X4: 6L, 7L, 8L, 9L, XXXL

2L	2000 Lumens
3L	3000 Lumens
4L	4000 Lumens
5L	5000 Lumens
6L	6000 Lumens
7L	7000 Lumens
8L	8000 Lumens
9L	9000 Lumens
XXXL	Custom Lumens

HOUSING MATERIAL

B20	20 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
SH18	18 Gauge Stainless Steel (Polished 304)
SH186	18 Gauge Stainless Steel (Polished 316)
SHP18	18 Gauge Stainless Steel (Painted 304)
SHP186	18 Gauge Stainless Steel (Painted 316)
SHB18	18 Gauge Stainless Steel (Brushed 304)
SHB186	18 Gauge Stainless Steel (Brushed 316)
ALH	.063" Aluminum (Painted)

DOOR MATERIAL

B20	20 Gauge Cold Roll Steel
B18	18 Gauge Cold Roll Steel
SH18	18 Gauge Stainless Steel (Polished 304)
SH186	18 Gauge Stainless Steel (Polished 316)
SHP18	18 Gauge Stainless Steel (Painted 304)
SHP186	18 Gauge Stainless Steel (Painted 316)
SHB18	18 Gauge Stainless Steel (Brushed 304)
SHB186	18 Gauge Stainless Steel (Brushed 316)
ALH	.063" Aluminum (Painted)

DOOR TYPE

INS	Inset Door
OVL	Overlap Door

OUTER LENS

187P	.187" Clear Polycarbonate
250P	.250" Clear Polycarbonate
375P	.375" Clear Polycarbonate

DIFFUSER

FA	Frosted Acrylic

VOLTAGE

M	Multi-Volt (120-277VAC)

DRIVER

010V	0-10V Tunable White
TW	Dual Channel Tunable White Driver

OPTIONS

14EBL	14 Watt Emergency Ballast
AHS	Allen Head Screws (center pin)
AM	Antimicrobial Paint
FZ	Fuse & Holder
LN	LED Night Light
PF	Plaster Frame & Yoke
CB	Cross Bar
LVC	Low Voltage Controller with Dimming

Dimensions on Next Page

ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	13.8 - 62.3 WATTS*
DELIVERED LUMEN OUTPUT:	2000 - 10000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	3000, 3500, 4000, 5000 KELVIN
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>100,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

APPROXIMATE COLOR TEMPERATURE MULTIPLIER

5000K	X	1.03
4000K	X	1
3500K	X	.97
3000K	X	.94
2700K	X	.91

PART#	DELIVERED LUMENS	WATTS	L70 @20C (HRS)
2L	2000 LUMENS	13.8	>100K
3L	3000 LUMENS	20.7	>100K
4L	4000 LUMENS	27.7	>100K
5L	5000 LUMENS	34.6	>100K
6L	6000 LUMENS	41.5	>100K
7L	7000 LUMENS	48.5	>100K
8L	8000 LUMENS	56.2	>100K
9L	9000 LUMENS	62.3	>100K

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ENERGY AND PERFORMANCE DATA

INPUT VOLTAGE:	120/277VAC
SYSTEM INPUT POWER:	13 - 113 WATTS*
DELIVERED LUMEN OUTPUT:	2000 - 9000 LUMENS
STANDARD DIMMING CONTROL:	0-10V
CCT:	2700-6500 TUNEABLE
CRI:	82 (MINIMUM)
LIFE TIME RATING:	>120,000 HRS @ L70
INPUT FREQUENCY:	50/60 HZ
POWER FACTOR:	>0.9
OPERATING TEMP:	-30° TO 50° C

*ACTUAL WATTAGE MAY DIFFER BY ±5% WHILE OPERATING 120/277V ±10%

LED OUTPUT

2L	2000 LUMENS	13	>120K
3L	3000 LUMENS	19	>120K
5L	5000 LUMENS	31	>120K
7L	7000 LUMENS	44	>120K
8L	8000 LUMENS	50	>120K
9L	9000 LUMENS	56	>120K

Delivered lumens vary based on length of unit.
Consult factory for more info.