

Project		Catalog #		Type	
Prepared by		Notes		Date	



Fail-Safe



MWL Multi-Purpose/Medical Wall

2', 3', 4' Length
 Up/Down Illumination
 White Tuning/Patient Controls
 Behavioral Health / Healthcare / General

Typical Applications

Medical/Healthcare • Patient Rooms • Patient Bathrooms • Behavioral Health • Restrooms • Education • Commercial

Interactive Menu

- Order Information page 2
- Photometric Data page 2
- VividTune page 3
- Product Warranty

Product Certification



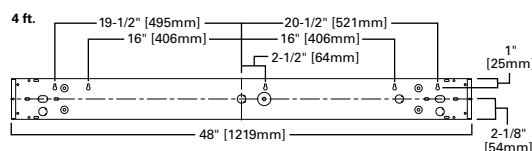
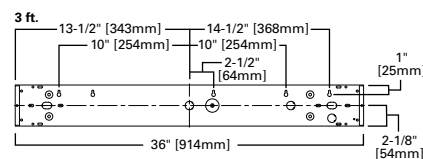
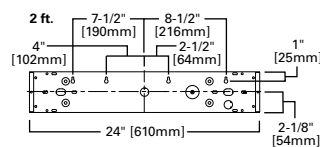
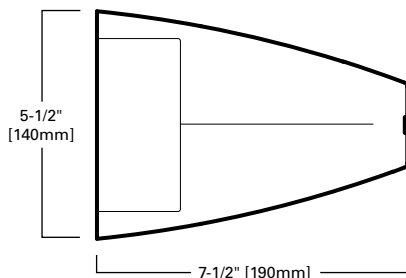
Product Features



Top Product Features

- Up/down illumination accomplished with dedicated LED driver, up to 6,600 lumens up/7,300 lumens down
- Impact resistant endcaps and optional polycarbonate prismatic lens (down and up/down) for use in **behavioral health** applications
- Standard anti-microbial white with a variety of colors/finishes and trims available
- Multiple up/down lumen packages
- Multiple color temperatures, 80 and 90 CRI, white tuning available
- Nurse call system integration for patient control - on/off or dimming control
- Easy/quick access to the LEDs/electrical. Facility delighter!
- **Ligature resistant** when specifying polycarbonate lens
- Options to meet Buy American Act requirements

Dimensional and Mounting Details



Order Information

SAMPLE ORDER NUMBER: **MWL-4-42/45-120-L840-EDD2-BH-BT-LVC3 (dimming low voltage relay)**
MWL-4-55/33-UNV-L82765-W2A2-WH-WT (White Tuning)
MWL-3-27/25-UNV-L835-EDD2-WH-BT-P125 (Polycarbonate prismatic lens)

Domestic Preferences ⁽¹⁾	Configuration	Length	Uplight ⁽⁵⁾			Downlight			Voltage	CCT
[Blank] =Standard BAA =Buy American Act	MWL =Medical Wall LED MWLDL =Medical Wall LED Downlight Only	2=2 ft. ⁽²⁾ 3=3 ft. ⁽³⁾ 4=4 ft. ⁽⁴⁾	2 ft. 13=1300 18=1800 22=2200 28=2800 35=3500	3 ft. ^{(6),(7)} 27=2700 30=3000 37=3700 44=4400 53=5300	4 ft. 26=2600 34=3400 42=4200 55=5500 66=6600	2 ft. 13=1300 17=1700 23=2300 31=3100 38=3800	3 ft. ^{(8),(9)} 25=2500 28=2800 33=3300 47=4700 57=5700	4 ft. 25=2500 33=3300 45=4500 60=6000 73=7300	UNV =Universal Voltage 120-277 120 =120 Volt 277 =277 Volt 347 =347 Volt	L830 =80CRI, 3000K L835 =80CRI, 3500K L840 =80CRI, 4000K L930 =90CRI, 3000K L935 =90CRI, 3500K L940 =90CRI, 4000K L83050 =80CRI, 3000K-5000K white tuning ⁽¹⁰⁾ L82765 =80CRI, 2700K-6500K white tuning ⁽¹⁰⁾ L93050 =90CRI, 3000K-5000K white tuning ⁽¹⁰⁾ L92765 =90CRI, 2700K-6500K white tuning ⁽¹⁰⁾
Notes (1) Only product configurations with this designated prefix are built to be compliant with the Buy American Act of 1933 (BAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.	Notes (2) 2ft not available with emergency, nightlight, or low voltage relay options. (3) EL14W, GTR2 and ETRD not available in 3ft. (4) EL7, EL14, LVCP and LVC3 not available above 4700 lumens uplight or 4500 lumens downlight.	Notes (5) Leave blank for MWLDL. (6) 3ft not available with 53/47, 53/57, 44/47, 44/57 lumen package combinations. (7) EL7 not available with LLNL/LLNLA/LLNLU, LCVP, ETRD, or GTR2.	Notes (8) 3ft not available with 53/47, 53/57, 44/47, 44/57 lumen package combinations. (9) EL7 not available with LLNL/LLNLA, LLNLU, LCVP, ETRD, or GTR2.	Notes (10) Not available in 3ft fixture.						

Driver	Number of Drivers ⁽¹³⁾	Finish ⁽¹⁶⁾	Trim	Options
EDD =0-10V 10% Dimming Driver ⁽¹¹⁾ ED1D =0-10V 1% Dimming Driver ⁽¹¹⁾ LH =Lutron HiLume 1% Ecosystem Driver W2A =White Tuning, 2 channel Intensity and CCT Control ⁽¹²⁾	1=1 Driver ⁽¹⁴⁾ 2=2 Drivers ⁽¹⁵⁾	[Blank] =Brushed Anodized WH =White Paint, Anti-microbial	[Blank] =Silver WT =White BT =Black	P125 =0.125" thick Prismatic Polycarbonate Lens ⁽²⁶⁾ EL7W =7W Emergency Battery Pack ^{(17),(19),(27)} EL14W =14W Emergency Battery Pack ^{(17),(18),(19),(27)} ETRD =Iota Emergency Transfer Relay with dimming control ^{(17),(18),(19),(27)} GTR2 =Bodine Generator Transfer Relay ^{(17),(18),(19),(23)} CO =Convenience Outlet (120V only) PS1 =Single Circuit Pull Chain (EDD1/only), (120V only) PS1D =Single Circuit Pull Chain Down with EDD2/ED1D2 only), (120V only) PS4 =Two Circuit Pull Chain (120V only) LLNL =LED Nightlight (downlight compartment) ^{(20),(21),(22),(29)} LLNLA =LED Nightlight, Amber (downlight compartment) ^{(20),(21),(22),(28)} LLNLU =LED Nightlight (uplight compartment) ^{(20),(21),(22),(25),(29)} LVCP =Low Voltage Relay, non-dimming ^{(23),(24)} LVC3 =Low Voltage Relay, dimming ^{(24),(27)}
Notes (11) LVCP and LVC3 for use with EDD and ED1D drivers only. (12) Not available in 3ft fixture.	Notes (13) Number of drivers does not include nightlight driver which is always separate. (14) 1 driver only available with MWLDL. (15) 2 drivers only available on MWL.	Notes (16) Finish includes the three aluminum housing extrusions and the two endcaps. *Slight color variance between the finish on housing extrusions versus the endcaps*	Notes	Notes (17) Not available in 2ft. (18) Not available in 3ft. (19) 4ft with LVCP and emergency not available above 42/45 lumen output. (20) LLNL, LLNLA and LLNLU not available on 2ft fixtures. (21) LLNL, LLNLA and LLNLU not available on 3ft units with over 7000 total lumens (combined uplight and downlight). (22) LLNL, LLNLA and LLNLU not available on 4ft units with over 7100 total lumens (combined uplight and downlight). (23) Must specify voltage as 120 or 277, not available 347V. (24) With MWLDL, the LVCP and LVC3 options only control the downlight. On MWL, one circuit controls the uplight, the second circuit controls the downlight. (25) Not available with MWLDL. (26) For MWL, upper and lower lenses are prismatic polycarbonate. For MWLDL, only lower lens is prismatic polycarbonate. (27) Not available with 347V. (28) Amber nightlight delivers ~ 200 lumens. (29) LLNL defaults to 3500K color temperature. For other color temps, specify the color temperature in the following manner; Examples: LLNL30=3000K, LLNL40=4000K, LLNL50=5000K.

Product Specifications

Housing Construction

- Extruded anodized aluminum housing with a brushed finish standard.
- Injection molded plastic endcaps with aluminum finish standard. *Slight color variance between the finish on housing extrusions versus the endcaps*
- Decorative trim on front extrusion and endcaps (see image on right)

Internal Channel Construction

- Steel channel electrical components
- LEDs mounted to a steel reflector

Latching

- Lens housing secured to internal channel by spring-loaded latches

Shielding

- Downlight diffuser is 100% prismatic acrylic, #12 pattern with 0.080" thick internal diffusing film
- Uplight is 0.125" prismatic acrylic, #12 pattern
- P125 lens is 100% prismatic polycarbonate, with 0.080" thick internal diffusing film

Limited Warranty

- Five-year limited warranty standard

View IES files



In the picture above, the "trim" includes everything that is shown in black.

Energy and Performance Data

2' Catalog Number	Del. Lumens	Input Watts	LPW
MWL-2-00-13-UNV-L830-EDD	1116	12	93
MWL-2-00-13-UNV-L835-EDD	1156	12	96
MWL-2-00-13-UNV-L840-EDD	1195	12	100
MWL-2-00-17-UNV-L830-EDD	1500	17	88
MWL-2-00-17-UNV-L835-EDD	1553	17	91
MWL-2-00-17-UNV-L840-EDD	1606	17	94
MWL-2-00-23-UNV-L830-EDD	1986	23	86
MWL-2-00-23-UNV-L835-EDD	2056	23	89
MWL-2-00-23-UNV-L840-EDD	2127	23	92
MWL-2-00-31-UNV-L830-EDD	2685	33	81
MWL-2-00-31-UNV-L835-EDD	2780	33	84
MWL-2-00-31-UNV-L840-EDD	2875	33	87
MWL-2-00-38-UNV-L830-EDD	3289	42	78
MWL-2-00-38-UNV-L835-EDD	3405	42	81
MWL-2-00-38-UNV-L840-EDD	3521	42	84
MWL-2-13-13-UNV-L830-EDD	2261	24	94
MWL-2-13-13-UNV-L835-EDD	2342	24	98
MWL-2-13-13-UNV-L840-EDD	2421	24	101
MWL-2-13-17-UNV-L830-EDD	2645	29	91
MWL-2-13-17-UNV-L835-EDD	2739	29	94
MWL-2-13-17-UNV-L840-EDD	2832	29	98
MWL-2-13-23-UNV-L830-EDD	3132	35	89
MWL-2-13-23-UNV-L835-EDD	3242	35	93
MWL-2-13-23-UNV-L840-EDD	3353	35	96
MWL-2-13-31-UNV-L830-EDD	3831	45	85
MWL-2-13-31-UNV-L835-EDD	3966	45	88
MWL-2-13-31-UNV-L840-EDD	4102	45	91
MWL-2-13-38-UNV-L830-EDD	4434	54	82
MWL-2-13-38-UNV-L835-EDD	4590	54	85
MWL-2-13-38-UNV-L840-EDD	4748	54	88
MWL-2-18-13-UNV-L830-EDD	2654	29	92
MWL-2-18-13-UNV-L835-EDD	2747	29	95
MWL-2-18-13-UNV-L840-EDD	2842	29	98
MWL-2-18-17-UNV-L830-EDD	3037	33	92
MWL-2-18-17-UNV-L835-EDD	3145	33	95
MWL-2-18-17-UNV-L840-EDD	3252	33	99
MWL-2-18-23-UNV-L830-EDD	3523	39	90
MWL-2-18-23-UNV-L835-EDD	3649	39	94
MWL-2-18-23-UNV-L840-EDD	3773	39	97
MWL-2-18-31-UNV-L830-EDD	4222	49	86
MWL-2-18-31-UNV-L835-EDD	4373	49	89
MWL-2-18-31-UNV-L840-EDD	4522	49	92
MWL-2-18-38-UNV-L830-EDD	4826	59	82
MWL-2-18-38-UNV-L835-EDD	4997	59	85
MWL-2-18-38-UNV-L840-EDD	5168	59	88
MWL-2-22-13-UNV-L830-EDD	3017	34	89
MWL-2-22-13-UNV-L835-EDD	3123	34	92
MWL-2-22-13-UNV-L840-EDD	3230	34	95
MWL-2-22-17-UNV-L830-EDD	3401	38	89
MWL-2-22-17-UNV-L835-EDD	3521	38	93
MWL-2-22-17-UNV-L840-EDD	3641	38	96
MWL-2-22-23-UNV-L830-EDD	3887	44	88
MWL-2-22-23-UNV-L835-EDD	4025	44	91
MWL-2-22-23-UNV-L840-EDD	4162	44	95
MWL-2-22-31-UNV-L830-EDD	4586	54	85
MWL-2-22-31-UNV-L835-EDD	4749	54	88
MWL-2-22-31-UNV-L840-EDD	4911	54	91
MWL-2-22-38-UNV-L830-EDD	5190	64	81
MWL-2-22-38-UNV-L835-EDD	5373	64	84
MWL-2-22-38-UNV-L840-EDD	5557	64	87
MWL-2-28-13-UNV-L830-EDD	3561	45	79
MWL-2-28-13-UNV-L835-EDD	3686	45	82
MWL-2-28-13-UNV-L840-EDD	3813	45	85
MWL-2-28-17-UNV-L830-EDD	3944	49	80
MWL-2-28-17-UNV-L835-EDD	4083	49	83
MWL-2-28-17-UNV-L840-EDD	4223	49	86
MWL-2-28-23-UNV-L830-EDD	4430	56	79
MWL-2-28-23-UNV-L835-EDD	4588	56	82
MWL-2-28-23-UNV-L840-EDD	4744	56	85
MWL-2-28-31-UNV-L830-EDD	5129	66	78
MWL-2-28-31-UNV-L835-EDD	5312	66	80
MWL-2-28-31-UNV-L840-EDD	5493	66	83
MWL-2-28-38-UNV-L830-EDD	5732	75	76
MWL-2-28-38-UNV-L835-EDD	5936	75	79
MWL-2-28-38-UNV-L840-EDD	6139	75	82
MWL-2-35-13-UNV-L830-EDD	4135	54	77
MWL-2-35-13-UNV-L835-EDD	4281	54	79
MWL-2-35-13-UNV-L840-EDD	4427	54	82
MWL-2-35-17-UNV-L830-EDD	4518	59	77
MWL-2-35-17-UNV-L835-EDD	4678	59	79
MWL-2-35-17-UNV-L840-EDD	4838	59	82
MWL-2-35-23-UNV-L830-EDD	5005	65	77
MWL-2-35-23-UNV-L835-EDD	5182	65	80
MWL-2-35-23-UNV-L840-EDD	5359	65	82
MWL-2-35-31-UNV-L830-EDD	5704	75	76
MWL-2-35-31-UNV-L835-EDD	5905	75	79
MWL-2-35-31-UNV-L840-EDD	6108	75	81
MWL-2-35-38-UNV-L830-EDD	6307	85	74
MWL-2-35-38-UNV-L835-EDD	6531	85	77
MWL-2-35-38-UNV-L840-EDD	6754	85	79

3' Catalog Number	Del. Lumens	Input Watts	LPW
MWL-3-00-25-UNV-L830-EDD	2207	25	88
MWL-3-00-25-UNV-L835-EDD	2260	25	90
MWL-3-00-25-UNV-L840-EDD	2300	25	92
MWL-3-00-28-UNV-L830-EDD	2474	28	88
MWL-3-00-28-UNV-L835-EDD	2533	28	90
MWL-3-00-28-UNV-L840-EDD	2577	28	92
MWL-3-00-33-UNV-L830-EDD	2979	36	83
MWL-3-00-33-UNV-L835-EDD	3050	36	85
MWL-3-00-33-UNV-L840-EDD	3103	36	86
MWL-3-00-47-UNV-L830-EDD	4193	55	76
MWL-3-00-47-UNV-L835-EDD	4293	55	78
MWL-3-00-47-UNV-L840-EDD	4368	55	79
MWL-3-00-57-UNV-L830-EDD	5038	69	73
MWL-3-00-57-UNV-L835-EDD	5158	69	75
MWL-3-00-57-UNV-L840-EDD	5248	69	76
MWL-3-00-57-UNV-L830-EDD	4629	49	94
MWL-3-27-25-UNV-L835-EDD	4739	49	97
MWL-3-27-25-UNV-L840-EDD	4822	49	98
MWL-3-27-28-UNV-L830-EDD	4894	53	92
MWL-3-27-28-UNV-L835-EDD	5011	53	95
MWL-3-27-28-UNV-L840-EDD	5099	53	96
MWL-3-27-33-UNV-L830-EDD	5399	60	90
MWL-3-27-33-UNV-L835-EDD	5528	60	92
MWL-3-27-33-UNV-L840-EDD	5625	60	94
MWL-3-27-47-UNV-L830-EDD	6614	79	84
MWL-3-27-47-UNV-L835-EDD	6772	79	86
MWL-3-27-47-UNV-L840-EDD	6890	79	87
MWL-3-27-57-UNV-L830-EDD	7458	94	79
MWL-3-27-57-UNV-L835-EDD	7637	94	81
MWL-3-27-57-UNV-L840-EDD	7771	94	83
MWL-3-30-25-UNV-L830-EDD	4920	53	93
MWL-3-30-25-UNV-L835-EDD	5038	53	95
MWL-3-30-25-UNV-L840-EDD	5126	53	97
MWL-3-30-28-UNV-L830-EDD	5186	57	91
MWL-3-30-28-UNV-L835-EDD	5310	57	93
MWL-3-30-28-UNV-L840-EDD	5403	57	95
MWL-3-30-33-UNV-L830-EDD	5691	64	89
MWL-3-30-33-UNV-L835-EDD	5828	64	91
MWL-3-30-33-UNV-L840-EDD	5929	64	93
MWL-3-30-47-UNV-L830-EDD	6906	83	83
MWL-3-30-47-UNV-L835-EDD	7070	83	85
MWL-3-30-47-UNV-L840-EDD	7194	83	87
MWL-3-30-57-UNV-L830-EDD	7750	98	79
MWL-3-30-57-UNV-L835-EDD	7935	98	81
MWL-3-30-57-UNV-L840-EDD	8074	98	82
MWL-3-37-25-UNV-L830-EDD	5471	60	91
MWL-3-37-25-UNV-L835-EDD	5602	60	93
MWL-3-37-25-UNV-L840-EDD	5700	60	95
MWL-3-37-28-UNV-L830-EDD	5736	64	90
MWL-3-37-28-UNV-L835-EDD	5873	64	92
MWL-3-37-28-UNV-L840-EDD	5976	64	93
MWL-3-37-33-UNV-L830-EDD	6241	72	87
MWL-3-37-33-UNV-L835-EDD	6390	72	89
MWL-3-37-33-UNV-L840-EDD	6502	72	90
MWL-3-37-47-UNV-L830-EDD	7456	90	83
MWL-3-37-47-UNV-L835-EDD	7633	90	85
MWL-3-37-47-UNV-L840-EDD	7767	90	86
MWL-3-37-57-UNV-L830-EDD	8301	105	79
MWL-3-37-57-UNV-L835-EDD	8500	105	81
MWL-3-37-57-UNV-L840-EDD	8648	105	82
MWL-3-44-25-UNV-L830-EDD	6088	79	77
MWL-3-44-25-UNV-L835-EDD	6234	79	79
MWL-3-44-25-UNV-L840-EDD	6343	79	80
MWL-3-44-28-UNV-L830-EDD	6355	83	77
MWL-3-44-28-UNV-L835-EDD	6507	83	78
MWL-3-44-28-UNV-L840-EDD	6620	83	80
MWL-3-44-33-UNV-L830-EDD	6860	90	76
MWL-3-44-33-UNV-L835-EDD	7024	90	78
MWL-3-44-33-UNV-L840-EDD	7146	90	79
MWL-3-53-25-UNV-L830-EDD	6863	94	73
MWL-3-53-25-UNV-L835-EDD	7027	94	75
MWL-3-53-25-UNV-L840-EDD	7149	94	76
MWL-3-53-28-UNV-L830-EDD	7128	97	73
MWL-3-53-28-UNV-L835-EDD	7298	97	75
MWL-3-53-28-UNV-L840-EDD	7426	97	77
MWL-3-53-33-UNV-L830-EDD	7633	105	73
MWL-3-53-33-UNV-L835-EDD	7816	105	74
MWL-3-53-33-UNV-L840-EDD	7953	105	76

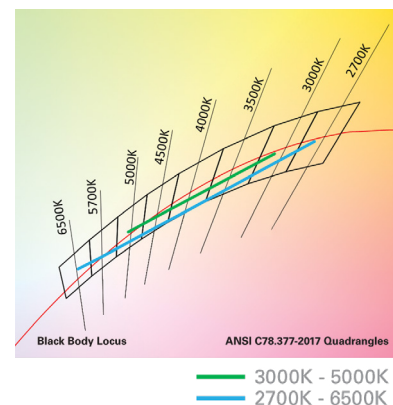
4' Catalog Number	Del. Lumens	Input Watts	LPW
MWL-4-00-25-UNV-L830-EDD	2210	23	96
MWL-4-00-25-UNV-L835-EDD	2263	23	98
MWL-4-00-25-UNV-L840-EDD	2303	23	100
MWL-4-00-33-UNV-L830-EDD	2930	34	86
MWL-4-00-33-UNV-L835-EDD	3001	34	88
MWL-4-00-33-UNV-L840-EDD	3053	34	90
MWL-4-00-45-UNV-L830-EDD	3964	46	86
MWL-4-00-45-UNV-L835-EDD	4059	46	88
MWL-4-00-45-UNV-L840-EDD	4130	46	90
MWL-4-00-60-UNV-L830-EDD	5273	65	81
MWL-4-00-60-UNV-L835-EDD	5399	65	83
MWL-4-00-60-UNV-L840-EDD	5494	65	85
MWL-4-00-73-UNV-L830-EDD	6396	85	75
MWL-4-00-73-UNV-L835-EDD	6549	85	77
MWL-4-00-73-UNV-L840-EDD	6663	85	78
MWL-4-26-25-UNV-L830-EDD	4492	47	96
MWL-4-26-25-UNV-L835-EDD	4599	47	98
MWL-4-26-25-UNV-L840-EDD	4679	47	100
MWL-4-26-33-UNV-L830-EDD	5212	57	91
MWL-4-26-33-UNV-L835-EDD	5336	57	94
MWL-4-26-33-UNV-L840-EDD	5430	57	95
MWL-4-26-45-UNV-L830-EDD	6246	69	91
MWL-4-26-45-UNV-L835-EDD	6395	69	93
MWL-4-26-45-UNV-L840-EDD	6507	69	94
MWL-4-26-60-UNV-L830-EDD	7555	88	86
MWL-4-26-60-UNV-L835-EDD	7735	88	88
MWL-4-26-60-UNV-L840-EDD	7870	88	89
MWL-4-26-73-UNV-L830-EDD	8677	108	80
MWL-4-26-73-UNV-L835-EDD	8884	108	82
MWL-4-26-73-UNV-L840-EDD	9040	108	84
MWL-4-34-25-UNV-L830-EDD	5258	57	92
MWL-4-34-25-UNV-L835-EDD	5383	57	94
MWL-4-34-25-UNV-L840-EDD	5477	57	96
MWL-4-34-33-UNV-L830-EDD	5978	68	88
MWL-4-34-33-UNV-L835-EDD	6121	68	90
MWL-4-34-33-UNV-L840-EDD	6228	68	92
MWL-4-34-45-UNV-L830-EDD	7012	79	89
MWL-4-34-45-UNV-L835-EDD	7179	79	91
MWL-4-34-45-UNV-L840-EDD	7305	79	92
MWL-4-34-60-UNV-L830-EDD	8321	99	84
MWL-4-34-60-UNV-L835-EDD	8519	99	86
MWL-4-34-60-UNV-L840-EDD	8668	99	88
MWL-4-34-73-UNV-L830-EDD	9443	119	79
MWL-4-34-73-UNV-L835-EDD	9669	119	81
MWL-4-34-73-UNV-L840-EDD	9838	119	83
MWL-4-42-25-UNV-L830-EDD	5926	67	88
MWL-4-42-25-UNV-L835-EDD	6067	67	91
MWL-4-42-25-UNV-L840-EDD	6174	67	92
MWL-4-42-33-UNV-L830-EDD	6646	77	86
MWL-4-42-33-UNV-L835-EDD	6805	77	88
MWL-4-42-33-UNV-L840-EDD	6924	77	90
MWL-4-42-45-UNV-L830-EDD	7680	89	86
MWL-4-42-45-UNV-L835-EDD	7864	89	88
MWL-4-42-45-UNV-L840-EDD	8001	89	90
MWL-4-42-60-UNV-L830-EDD	8990	108	83
MWL-4-42-60-UNV-L835-EDD	9204	108	85
MWL-4-42-60-UNV-L840-EDD	9365	108	87
MWL-4-42-73-UNV-L830-EDD	10111	128	79
MWL-4-42-73-UNV-L835-EDD	10353	128	81
MWL-4-42-73-UNV-L840-EDD	10534	128	82
MWL-4-55-25-UNV-L830-EDD	7020	88	80
MWL			

VividTune™

color tuning solutions

MWL Medical Wall LED with VividTune Tunable White

VividTune tunable white luminaires from Cooper Lighting Solutions deliver high-quality light in a broad range of continuously variable color temperatures and intensities. Create a dynamic environment by adjusting the ambient light warmer or cooler to influence mood, support the task at hand, or create a dramatic ambience. The ability to control correlated color temperature and intensity separately using simple controls is the next evolution of LED lighting for the commercial, educational, healthcare and hospitality space. The unparalleled flexibility and number of available lighting environments enable users to find the right light with tunable white.



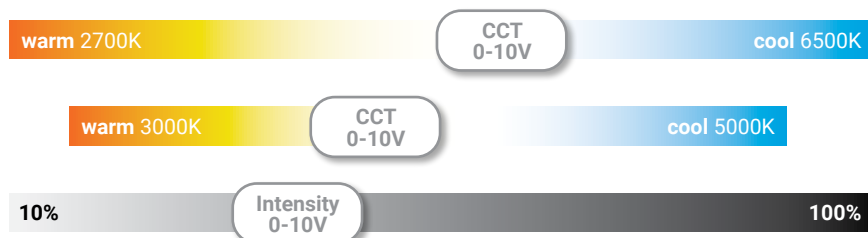
Performance Data*

Tunable White - Lumen Adjustment Factors				
CCT	3000K-5000K		2700K-6500K	
	80 CRI	90 CRI	80 CRI	90 CRI
2700K	-	-	0.878	0.750
3000K	0.904	0.744	0.903	0.779
3500K	0.956	0.813	0.934	0.819
4000K	1.004	0.878	0.954	0.844
4500K	1.014	0.893	0.972	0.866
5000K	1.014	0.893	0.985	0.884
6500K	-	-	0.999	0.908

Medical Wall LED - Example of Approximate Lumen Calculation			
	Standard Catalog #	VividTune 80 CRI Catalog #	VividTune 90 CRI Catalog #
	MWLDL-4-45-UNV-L835-EDD1	MWLDL-4-45-UNV-L83050-W2A1	MWLDL-4-45-UNV-L93050-W2A1
CCT Setting			
3000K	-	4009	3300
3500K	4435	4240	3606
4000K	-	4453	3894
4500K	-	4497	3960
5000K	-	4497	3960

Controlling VividTune Tunable White

VividTune luminaires make tunable white more accessible by using simple and familiar controls. From wall dimmers to wireless controls, VividTune tunable white luminaires are compatible with industry standard 0-10V dimming controls. A single 0-10V dimming input is used to control intensity (brightness) while a second 0-10V dimming input is used to adjust CCT. For suggested control configurations, go to www.cooperlighting.com for tunable white application guides.



Example of Lumen Adjustment Calculation

MWLDL-4-45-UNV-L83050-W2A1 at 80 CRI tuned to 3500K

$$\text{Adjusted Lumen} = \text{published } l_m \times \text{adjusted } l_m \text{ factor}$$

$$\text{Adjusted Lumen} = 4435 \times 0.956$$

$$\text{Adjusted Lumen} = 4453 \text{ } l_m$$

* Lumen adjustment factors are for reference and may be different for each product selected. Refer to IES files for actual performance data on each.