



PROJECT NAME: \_\_\_\_\_ CAT. #: \_\_\_\_\_  
 NOTES: \_\_\_\_\_ FIXTURE SCHEDULE: \_\_\_\_\_

# MLVT ArcMax Troffer Control Ready Series Wattage and Color Select



### Product Description:

ArcMAX™ Lay-In LED troffers are the eye-pleasing and energy efficient replacement for fluorescent troffers in new or remodel construction. CCT and wattage selectable technology enables customers to choose the color temperature and lumen output that is best suited for their lighting application. The troffer's high-performance optic system delivers beautifully even light with excellent color rendering and low glare, while its architectural design features make it the perfect complement to office, education, health care, hospitality and retail interiors.

### Features:

- Advanced "UniGlo" optics provides uniform brightness across the lens
- Fixed Wattage and Wattage Selectable Available
- Controls Ready – can be paired with the new cMax controls nodes
- CCT Selectable: 3500K, 4000K, 5000K
- Industry highest efficacy of 150 LPW
- On EM mode, the fixture output a minimum of 1050 lumens for 90 minutes, when fully charged
- 0-10V Dimming

### Controls Features:

- Multifunction and Energy Monitoring
- Daylight Sensor
- Occupancy Sensor
- Integral Sensor Receptacle
- High-End Trim
- Bluetooth
- Luminaire Level Lighting Control (LLLC)

### Controls Ready:

MaxLite's new Controls Ready (CR) fixtures allows for quick and easy in-field installation (plug and play) of controls. Simply purchase any CR fixture and the required Controls Node and you're all set! See the accessory table for all controls options available for this fixture.

### Ordering Structure

FAMILY	SIZE	DIMMABILITY	WATTAGE SELECTABLE	COLOR TEMPERATURE <sup>1</sup>	CON-TROLS	OPTIONS <sup>2,3</sup>	PACKAGING	SOURCING STRATEGY
MLVT= ArcMax Troffer	14= 1'x4'	D= Dimmable	13W= 13W, 20W, 26W	CS= Color Selectable (3500K, 4000K, 5000K)	CR= Control Ready	[BLANK]= None E2= Made to order Emergency Back Up EM= Emergency Battery Backup Unit	[BLANK]= None /2PK= 2 pack	[BLANK]= Non-TAA Country TA= TAA Country
	22= 2'x2'		13W= 13W, 20W, 26W					
	24= c		22W= 22W, 28W, 34W					
	SIZE		FIXED					
	22= 2'x2'		13=13W					
	24= 2'x4'		19=19W					

<sup>1</sup> Default setting for WCS models is set to lowest wattage and 4000K. Default setting for CS models is set to 4000K.  
<sup>2</sup> Battery back up models are available only in Single Pack configuration.  
<sup>3</sup> Check the Specification Table for lumen output for EM and E2 suffix.



**10-year standard warranty with labor allowance** (further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))  
 Warranty Limitations: Product must be rated for application per the Product Data Sheet (PDS); operated ≤6 hrs; in ambient temperatures -4°F to 77°F. If ambient temperatures fall outside the -4°F to 77°F range, product is warrantied for 5 years according to the operating temperature range specified on the PDS. Up to \$25/unit; registration required. Additional coverage may be available for purchase; contact MaxLite. Excludes EM/MS versions; component warranty applies.



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## Accessories (SOLD SEPARATELY)

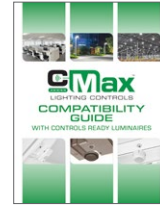
ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
110788	MLVTP24SMK <sup>1</sup>	ARCMAX 2X4 TROFFER SURFACE MOUNT KIT (L = 48.3inch, W = 24.3inch, H = 4.1inch)	
110787	MLVTP22SMK <sup>1</sup>	ARCMAX 2X2 TROFFER SURFACE MOUNT KIT (L = 24.3inch, W = 24.3inch, H = 4.1inch)	
110786	MLVTP14SMK <sup>1</sup>	ARCMAX 1X4 TROFFER SURFACE MOUNT KIT (L = 48.3inch, W = 12.4inch, H = 4.1inch)	
104816	MLG4CHK	GEN 4 CABLE HANGING KIT FOR 1X4 & 2X2 FLAT PANEL/ TROFFER	
104848	ML24G4CHK	GEN 4 CABLE HANGING KIT FOR 2X4 FLAT PANEL/ TROFFER - 6 CABLES	
104817	ML14G4FK	GEN 4 1X4' FLAT PANEL/ TROFFER FLANGE	
104819	ML22G4FK	GEN 4 2X2' FLAT PANEL/ TROFFER FLANGE KIT	
104820	ML24G4FK	GEN 4 2X4' FLAT PANEL/ TROFFER FLANGE KIT	

<sup>1</sup> SMK is compatible with EM and E2 suffix Battery Back up models



# MLVT ArcMax Troffer Control Ready Series *Wattage and Color Select*

## c-Max Controls Microsites and Compatibility Guide



Product Compatibility Guide

### Compatible Controls (SOLD SEPARATELY)\*

The table below shows a small subset of control nodes from each tier that directly plug in with the fixture. Refer to individual microsites above for more accessories that could be added based on application requirements.

ORDER CODE	MODEL NUMBER & LINK TO DATA SHEET	DESCRIPTION	QR CODE TO DATA SHEET	IMAGE
<b>c-Max Basic</b>				
105567	<a href="#">CN-REMOTE</a>	CONTROL NODE REMOTE CONTROL		
105890	<a href="#">CN-RTPSW<sup>1</sup></a>	CONTROL NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
<b>c-Max Network</b>				
105892	<a href="#">NN-RTW</a>	NETWORK NODE RECTANGULAR, WHITE		
105893	<a href="#">NN-RTDHW</a>	NETWORK NODE RECTANGULAR, DAYLIGHT HARVESTING, WHITE		
106059	<a href="#">NN-RTPSW</a>	NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
<b>c-Max EasyRF</b>				
110961	<a href="#">RF-RTPSW</a>	EasyRF NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
110962	<a href="#">RF-REMOTE</a>	EasyRF REMOTE CONTROL COMMISSIONING TOOL		
<b>c-Max Network Partners - Silvair</b>				
110431	<a href="#">NN-RTPSW-SL</a>	SILVAIR NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
111148	<a href="#">NN-RTW-SL</a>	SILVAIR NETWORK NODE RECTANGULAR, WHITE		
<b>c-Max Network Partners - Casambi</b>				
112428	NN-RTPSW-CA	CASAMBI NETWORK NODE RECTANGULAR, PIR MOTION SENSOR/DAYLIGHT HARVESTING, WHITE		
112429	NN-RTW-CA	CASAMBI NETWORK NODE RECTANGULAR, WHITE		

<sup>1</sup> Maxlite recommends CN-RTPSW (PIR) sensor for most applications with this fixture. If CN-RTMST(microwave) is required for an application, Maxlite recommends a pilot test to confirm there is no interference that causes unexpected responses from the microwave sensor. For additional options and c-Max network Partners components check Maxlite.com/cmxc

\* Note - This controls ready fixture is compatible with the c-Max platform supporting multiple tiers of controls. The table above shows a small subset of control nodes from each tier that directly plug in with the fixture. Refer to individual microsite above for more accessories that could be added based on application requirements



# MLVT ArcMax Troffer Control Ready Series *Wattage and Color Select*

## Non-TAA Stocked Items

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID#	DLC CLASSIFICATION	DLC CATEGORY
110766	MLVT14D13WCSCR	S-DTZBQ5	Standard	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
110771	MLVT14D13WCSCR/2PK	S-DTZBQ5	Standard	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
110767	MLVT22D13WCSCR	S-2FHSCX	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
110772	MLVT22D13WCSCR/2PK	S-2FHSCX	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
110777	MLVT22D13WCSCREM	S-2FHSCX	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
110768	MLVT24D22WCSCR	S-GS4ML5	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
		S-LOQ440	Standard	Low-Bay Luminaires for Commercial and Industrial Buildings
110773	MLVT24D22WCSCR/2PK	S-GS4ML5	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
		S-LOQ440	Standard	Low-Bay Luminaires for Commercial and Industrial Buildings
110778	MLVT24D22WCSCREM	S-GS4ML5	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
		S-LOQ440	Standard	Low-Bay Luminaires for Commercial and Industrial Buildings

## TAA Stocked Items

ORDER CODE	MODEL NUMBER	DLC PRODUCT ID#	DLC CLASSIFICATION	DLC CATEGORY
110985	MLVT14D13WCSCR/2PKTA	S-DTZBQ5	Standard	1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
110989	MLVT22D13WCSCR/2PKTA	S-2FHSCX	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
111485	MLVT22D13WCSCREMTA	S-2FHSCX	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
110993	MLVT24D22WCSCR/2PKTA	S-GS4ML5	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
		S-LOQ440	Standard	Low-Bay Luminaires for Commercial and Industrial Buildings
111486	MLVT24D22WCSCREMTA	S-GS4ML5	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
		S-LOQ440	Standard	Low-Bay Luminaires for Commercial and Industrial Buildings
110987	MLVT22D13CSCR/2PKTA	S-MPVQPX	Standard	2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces
110991	MLVT24D19CSCR/2PKTA	S-WWZ6YS	Standard	2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces



# MLVT ArcMax Troffer Control Ready Series

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## Specifications

Specifications	MLVT14D13WCSCR		
Size	1x4'		
Nominal Wattage (W)*	13W	20W	26W
Lumens Delivered (lm)*	1950, 2015, 1960	3000, 3100, 3020	3900, 4030, 3920
Nominal Efficacy (lm/W)	150, 155, 151		
Lumens delivered at BBU mode (lm)	1260lm with EM suffix. 1050lm with E2 suffix - for 90 minutes, when fully charged		
CRI	≥80		
Color Temperature (K)*	3500K, 4000K, 5000K		
Calculated L70 Lumen Maintenance	≥100,000 Hrs		
Dimming Technology	0-10V		
Dimming Range	10-100% (Dim to OFF Voltage: 0.3V ± 0.2V)		
Input Voltage	120-277V, 50/60 Hz		
Power Factor	≥ 0.87		
Housing	Sheet Metal		
Diffuser	PMMA lens		
Surge Protection	2.5KV		
Operating Temperature	-4°F to 122°F (-20°C to 50°C), except BBU models. BBU models: 32°F to 122°F (0°C to 50°C)		
Humidity	10% to 80% RH non-condensing		
Certification	ULus listed, FCC, RoHS Compliant		
Qualifications	DLC Standard		
Material Usage	RoHS Compliant; No Mercury		
Environment	Suitable for damp locations		
Warranty	10 years. Check <a href="http://maxlite.com/warranties">maxlite.com/warranties</a> for details		

\* Default setting for WCS models is set to lowest wattage and 4000K



# MLVT ArcMax Troffer Control Ready Series Wattage and Color Select

## Specifications

	MLVT22D13WCSCR			MLVT22D13CSCR
Size	2x2			
Nominal Wattage (W)*	13W	20W	26W	13W
Lumens Delivered (lm)*	1950, 2010, 1960	3000, 3100, 3020	3900, 4030, 3920	1950, 2010, 1970
Nominal Efficacy (lm/W)	150, 155, 151			150, 155, 152
Lumens delivered at BBU mode (lm)	1260lm with EM suffix. 1050lm with E2 suffix - for 90 minutes, when fully charged			
CRI	≥80			
Color Temperature (K)*	3500K, 4000K, 5000K			
Calculated L70 Lumen Maintenance	≥100,000 Hrs			
Dimming Technology	0-10V			
Dimming Range	10-100% (Dim to OFF Voltage: 0.3V ± 0.2V)			
Input Voltage	120-277V, 50/60 Hz			
Power Factor	≥ 0.87			
Housing	Sheet Metal			
Diffuser	PMMA lens			
Surge Protection	2.5KV			
Operating Temperature	-4°F to 122°F (-20°C to 50°C), except BBU models. BBU models: 32°F to 122°F (0°C to 50°C)			
Humidity	10% to 80% RH non-condensing			
Certification	ULus listed, FCC, RoHs Compliant			
Qualifications	DLC Standard			
Material Usage	RoHS Compliant; No Mercury			
Environment	Suitable for damp locations			
Warranty	10 years. Check <a href="http://maxlite.com/warranties">maxlite.com/warranties</a> for details			

\* Default setting for WCS models is set to lowest wattage and 4000K. Default setting for CS models is set to 4000K.



# MLVT ArcMax Troffer Control Ready Series

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## Specifications

	MLVT24D22WCSCR			MLVT24D14CSCR	MLVT24D19CSCR	MLVT24D20CSCR
Size	2x4					
Nominal Wattage (W)*	22W	28W	34W	14W	19W	20W
Lumens Delivered (lm)*	3430, 3540, 3470	4280, 4420, 4340	5100, 5270, 5160	2000, 2150, 2000	2850, 2940, 2880	3000, 3100, 3000
Nominal Efficacy (lm/W)	156, 161, 158	153, 158, 155	150, 155, 152	150, 155, 150	150, 155, 152	150, 155, 150
Lumens delivered at BBU mode (lm)	1260lm with EM suffix. 1050lm with E2 suffix - for 90 minutes, when fully charged					
CRI	≥80					
Color Temperature (K)*	3500K, 4000K, 5000K					
Calculated L70 Lumen Maintenance	≥100,000 Hrs					
Dimming Technology	0-10V					
Dimming Range	10-100% (Dim to OFF Voltage: 0.3V ± 0.2V)					
Input Voltage	120-277V, 50/60 Hz					
Power Factor	≥ 0.87					
Housing	Sheet Metal					
Diffuser	PMMA lens					
Surge Protection	2.5KV					
Operating Temperature	-4°F to 122°F (-20°C to 50°C), except BBU models. BBU models: 32°F to 122°F (0°C to 50°C)					
Humidity	10% to 80% RH non-condensing					
Certification	ULus listed, FCC, RoHs Complaint					
Qualifications	DLC Standard					
Material Usage	RoHS Compliant; No Mercury					
Environment	Suitable for damp locations					
Warranty	10 years. Check <a href="http://maxlite.com/warranties">maxlite.com/warranties</a> for details					

\* Default setting for WCS models is set to lowest wattage and 4000K. Default setting for CS models is set to 4000K.

## FCC Statement

This device complies with part 15 of the FCC Rules, Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

# MLVT ArcMax Troffer Control Ready Series Wattage and Color Select

## Product Dimensions

PRODUCT	A (L)	B (W)	C (H)
MLVT14D13WCSCR	47.8 inch	11.7 inch	2 inch
MLVT22D13WCSCR	23.7 inch	23.7 inch	2.1 inch
MLVT22D13CSCR	23.7 inch	23.7 inch	2.1 inch
MLVT24D22WCSCR	47.8 inch	23.7 inch	2.1 inch
MLVT24D19CSCR	47.8 inch	23.7 inch	2.1 inch

