

**NO:** VS-054  
**DATE:** May 2015

**PRODUCT:** 3Z4S-LT MLEK Strobe Controller  
**TYPE:** Discontinuation Notice

Strobe Controller 3Z4S-LT MLEK-C100E1TS2 Discontinued  
March 2015; Replace with FLV-TCC1 Lighting Controller

**Discontinuation date:** March, 2015

### Caution on Applying Recommended Replacement



Please replace the illumination and extension cable together, when replacing to FLV-TCC1.

### Affected Parts

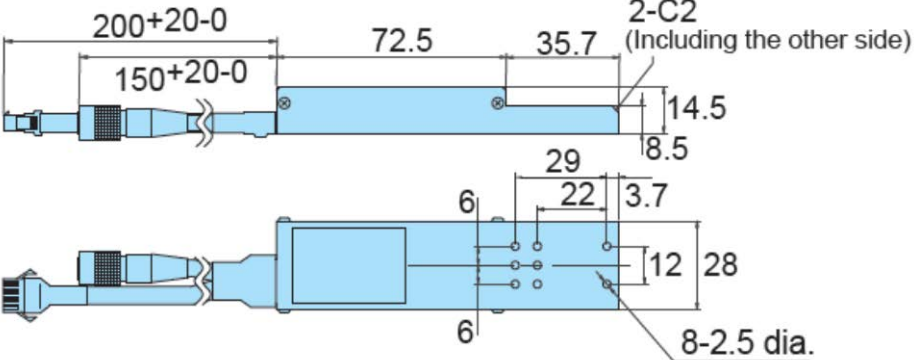
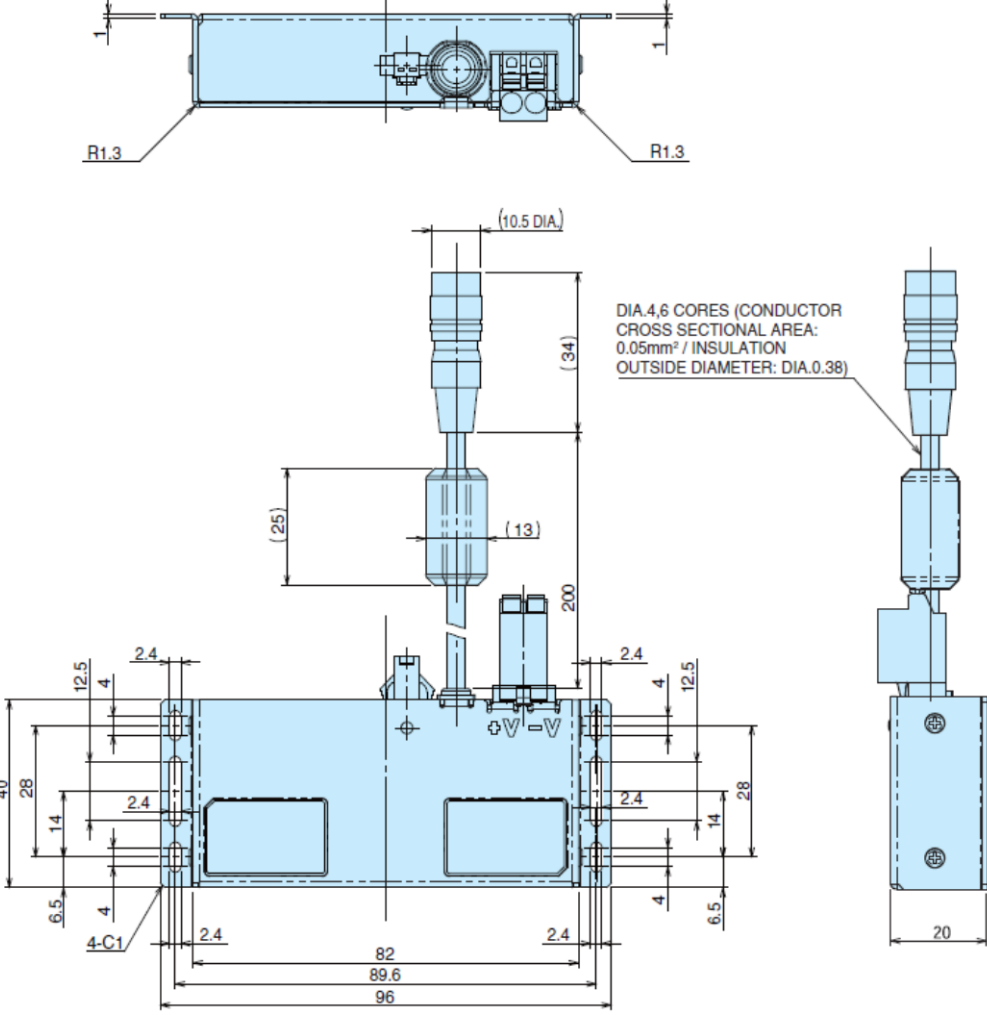
Product discontinuation	Recommended replacement
Model 3Z4S-LT MLEK-C100E1TS2	Model FLV-TCC1

### Detail of Differences

#### Body Color

Product discontinuation Model 3Z4S-LT MLEK-C100E1TS2	Recommended replacement Model FLV-TCC1
	

## Dimensions

Product discontinuation Model 3Z4S-LT MLEK-C100E1TS2	Recommended replacement Model FLV-TCC1
<p><b>Model 3Z4S-LT MLEK-C100E1TS2</b></p>  <p>Technical drawing of Model 3Z4S-LT MLEK-C100E1TS2 showing side and front views with dimensions:</p> <ul style="list-style-type: none"> <li>Side view dimensions: <math>200+20-0</math>, <math>150+20-0</math>, <math>72.5</math>, <math>35.7</math>, <math>14.5</math>, <math>8.5</math>, <math>29</math>, <math>22</math>, <math>3.7</math>, <math>12</math>, <math>28</math>, <math>6</math>, <math>6</math>, <math>8-2.5</math> dia.</li> <li>Label: 2-C2 (Including the other side)</li> </ul>	
<p><b>Model FLV-TCC1</b></p>  <p>Technical drawing of Model FLV-TCC1 showing top, side, and front views with dimensions and conductor specifications:</p> <ul style="list-style-type: none"> <li>Top view dimensions: <math>R1.3</math>, <math>R1.3</math>, <math>(10.5</math> DIA.), <math>(25)</math>, <math>(13)</math>, <math>200</math>, <math>2.4</math>, <math>4</math>, <math>12.5</math>, <math>2.4</math>, <math>4</math>, <math>12.5</math>, <math>2.4</math>, <math>4</math>, <math>14</math>, <math>28</math>, <math>6.5</math>, <math>4</math>, <math>2.4</math>, <math>82</math>, <math>89.6</math>, <math>96</math>, <math>2.4</math>, <math>6.5</math>.</li> <li>Side view dimensions: <math>40</math>, <math>28</math>, <math>14</math>, <math>2.4</math>, <math>6.5</math>, <math>4</math>, <math>2.4</math>, <math>4</math>, <math>12.5</math>, <math>2.4</math>, <math>4</math>, <math>14</math>, <math>28</math>, <math>6.5</math>.</li> <li>Front view dimensions: <math>20</math>.</li> <li>Label: 4-C1</li> <li>Conductor specification: DIA.4.6 CORES (CONDUCTOR CROSS SECTIONAL AREA: <math>0.05\text{mm}^2</math> / INSULATION OUTSIDE DIAMETER: DIA.0.38)</li> </ul>	

## Characteristics

Item	Product discontinuation Model 3Z4S-LT MLEK-C100E1TS2	Recommended replacement Model FLV-TCC1
Applicable light	* 2 Appended Table	FLV series (FLV-EP series and FLV-LN series are excluded.)
Applicable camera	FH-S series, FZ-S series	FH-S series, FZ-S series
Applicable vision system controller	FH series, FZ5 series, and so on	FH series, FZ5 series, and so on
No. of outputs	1-channel output	1-channel output
Output current	1.0 A max. (when using 1.0-A illumination) (See note 1.)	1.5 A max.
Output control method	Constant current control	Constant voltage control
Strobe emission time	Automatically set by vision system controller	Automatically set by vision system controller
Strobe emission delay time	Ton: 30μs max. (at max. setting) Toff: 10μs max. (at max. setting)	Ton: 30μs max.
Ambient temperature and humidity	0 to 45°C, 80% up to 31°C and then dropping linearly to 50% at 40°C	0 to 50°C, 35 to 85% humidity (with no icing or condensation)
Storage temperature and humidity	-20 to 85°C, 20 to 80% humidity (with no condensation)	-15 to 60°C, 35 to 85% humidity (with no icing or condensation)
Degree of protection	IP30 (IEC 60529)	IP20 (IEC 60529)
Weight	Approx. 80g	Approx. 120g (including the camera mount plate)
Extension Cable (purchased separately)	M-RCB4□□L (4-pin Extension Cable) (indicate length in the 2 square boxes (□□): 01=1m, 02 = 2m, 03 = 3m)	FLV-XC□/-XC□R (indicate length in the square box (□): 1=1m, 2 = 2m, 3 = 3m, 5 = 5m, 10 = 10m)

\* 1 Depends on the illumination used.

\* 2 Appended Table: Applicable Light for Recommended Replacement Model on the next page.

### Applicable Light for Recommended Replacement Model

Light Shape	Light Color	Model	Light Color	Model
Direct Ring	Red	MDRL-CR10	Blue	MDRL-CB10
		MDRL-CR16		MDRL-CB16
		MDRL-CR28		MDRL-CB28
		MDRL-CR31		MDRL-CB31
		MDRL-CR35		MDRL-CB35
		MDRL-CR36		MDRL-CB36
	Green	MDRL-CR50	White	MDRL-CW10
		MDRL-CG10		MDRL-CW16
		MDRL-CG16		MDRL-CW28
		MDRL-CG28		MDRL-CW31
		MDRL-CG31		MDRL-CW35
		MDRL-CG35		MDRL-CW36
	MDRL-CG36	--	--	
IR	MDRL-CIR31	UV	MDRL-CUV31	
Low-angle Ring	Red	MLRL-CR25	Blue	MLRL-CB25
		MLRL-CR46		MLRL-CB46
		MLRL-CR48		MLRL-CB48
		MLRL-CR68		MLRL-CB68
	Green	MLRL-CG25	White	MLRL-CW25
		MLRL-CG46		MLRL-CW46
		MLRL-CG48		MLRL-CW48
		MLRL-CG68		MLRL-CW68
Pseudo-coaxial Episcopic	Red	MSCL-CR24	Blue	MSCL-CB24
		MSCL-CR39		MSCL-CB39
		MSCL-CR56-B		MSCL-CB56-B
		MSCL-CR74-B		MSCL-CW24
	Green	MSCL-CG24	White	MSCL-CW39
		MSCL-CG39		MSCL-CW56-B
		MSCL-CG56-B		--
Shadowless	Red	MSRL-CR20	Blue	MSRL-CB20
		MSRL-CR33		MSRL-CB33
		MSRL-CR44		MSRL-CB44
	Red	MSRL-CG20	White	MSRL-CW20
		MSRL-CG33		MSRL-CW33
		MSRL-CG44		MSRL-CW44
	IR	MSRL-CIR20	--	--
Shadowless Low-angle Ring	Red	MSLL-CR109	--	--
Shadowless Low-angle Square	Red	MSQL-CR32	Blue	MSQL-CB32
		MSQL-CR48		MSQL-CB48
	Green	MSQL-CG32	White	MSQL-CW32
		MSQL-CG48		MSQL-CW48

Light Shape	Light Color	Model	Light Color	Model
<b>Bar</b>	Red	MBRL-CR5015	Blue	MBRL-CB5015
		MBRL-CR7530		MBRL-CB7530
		MBRL-CR13015		MBRL-CB13015
	Green	MBRL-CG5015	White	MBRL-CW5015
		MBRL-CG7530		MBRL-CW7530
		MBRL-CG13015		MBRL-CW13015
	IR	MBRL-CIR7530	UV	MBRL-CUV7530
<b>Line</b>	Red	MLNL-CR192	Blue	MLNL-CB192
	Green	MLNL-CG192	White	MLNL-CW192
<b>Dome</b>	Red	MDML-CR50	Blue	MDML-CB50
	Green	MDML-CG50	White	MDML-CW50
<b>Bottom</b>	Red	MDBL-CR25	Blue	MDBL-CB25
		MDBL-CR70	White	MDBL-CW25
	Green	MDBL-CG25	IR	MDBL-CIR70
<b>Edge</b>	Red	MEBL-CR25	Blue	MEBL-CB25
		MEBL-CR50		MEBL-CB50
		MEBL-CR7050		MEBL-CB7050
		MEBL-CR10080		MEBL-CB10080
		MEBL-CR145		MEBL-CB145
	Green	MEBL-CG25	White	MEBL-CW25
		MEBL-CG50		MEBL-CW50
		MEBL-CG7050		MEBL-CW7050
		MEBL-CG10080		MEBL-CW10080
		MEBL-CG145		MEBL-CW145
<b>Angled Reflection</b>	Red	MDQL-CR58	Blue	MDQL-CB58
		MDQL-CR108	White	MDQL-CW58
	Green	MDQL-CG58	UV	MDQL-CUV108

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.