

Our Vision... Tomorrow's Innovation

VIS Light



JM VisTec System Pte Ltd



Company Specialization:

JM Vistec is a dynamic and growing Singapore-based hardware component solutions company that provides complete end-to-end innovative solutions to help our clients solve complex business problems.

JM Vistec is a provider of professional and technical services for vision products. We provide a full range of product for vision including camera, smart cameras, lighting, lens and vision software.

Other offering include customization of vision products for customers and providing training for users on the latest vision technologies.

With our dedicated, well-trained and experienced staff, we strive to provide our customers with the best services available in the vision industry.

Company Background:

JM Vistec has been in the industry for 5 years. JM started in 14 september 2004. We have offices in China and Taiwan and readily expanding.

Wide Range of Products:

JM Vistec distributes a myriad of premium products necessary for reliable, efficient and cost effective vision applications. We carry cameras and smart cameras from SVS Vistek, Prosilica, Sentech, Hitachi, Vision & Control and Sony. We also provide the best lenses from Schneider and Computar. In addition, we are authorised distributors for Dalsa software and frame grabbers, Lighting from Vis Light and Lighting controllers from GardaSoft.

Excellent Support and Expertise:

With our dedicated, well-trained and experienced staff, we strive to provide our customers with the best services available in the vision industry.

Customized Hardware Solutions:

Our approach to customers is to help them meet their requirements, we provide the best recommendations and advice so that customers can build on our expertise to enhance their performance. We carry a wide range of products to provide complete solutions to our customers.

Focus in Vision Technology:

Our core competence is in vision and we take pride in being focused in our direction and support for customers.



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SSL Series - Square Shower illuminations:

- LEDs are arranged in a rectangular array to provide a vertical illumination.
- Application: Flate surface, Fudicial recognition, Mark inspection.

	<p>New heat dissipating construction</p> <p>CCD camera This model Special heat dissipating enclosure LED Object</p>
<p>ØB 4-TAP M3 C A D P</p>	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)				VOLTAGE
	A	ØB	C	D	
SSL-070-00-X	73	25	50	15	12V / 24V
SSL-115-00-X	115	25	92	25	12V / 24V



SRL Series - High Density, Shower Light Output:

- LED arrays are arranged to provide concentrated light with a square housing.
The different LED angle allows small or wider spot illumination.
- Application: Flat surface, Fudicial recognition.

	<p>New heat dissipating construction</p> <p>CCD camera</p> <p>This model</p> <p>Special heat dissipating enclosure</p> <p>LED</p> <p>Object</p>
<p>ØB</p> <p>4-TAP M3</p> <p>A</p> <p>C</p> <p>D</p> <p>P</p>	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)				
	A	ØB	C	D	VOLTAGE
SRL-050-00-2-X	56.6	30	38	18	12V / 24V
SRL-070-00-3-X	64	30	33	19	12V / 24V



SRL Series - High Density, Concentrated Light Output:

- LED arrays are arranged such that the light rays are concentrated to a spot for extreme bright light. Using flexible PCB board, the product quality and efficiency improves. Flexible boards are able to achieve optimized angle with variation of outer and inner diameter to target a work piece.
- Application: Substrate inspection, label inspection, flat surface, fiducial recognition.

	<p>New heat dissipating construction</p> <p>CCD Camera</p> <p>This model</p> <p>LED</p> <p>Object</p>
<p>4-TAP M2</p> <p>ØB</p> <p>45.0°</p>	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)				VOLTAGE
	A	ØB	C	D	
SRL-040-1-45-X	40	15	33	11	12V / 24V
SRL-050-1-45-X	50	25	40	11	12V / 24V
SRL-060-1-45-X	60	35	50	11	12V / 24V
SRL-090-1-45-X	90	65	80	11	12V / 24V



CRL Series - High Density, Concentrated Light Output:

- LED arrays are arranged such that the light rays are concentrated to a spot for extreme bright light. Using flexible PCB board, the product quality and efficiency improves.
- Application: Substrate inspection, label inspection, flat surface, fiducial recognition.

	<p>New heat dissipating construction</p> <p>CCD Camera</p> <p>This model</p> <p>LED</p> <p>Object</p>
<p>ØA</p> <p>ØB</p> <p>4-TAP M3 AT ØD (PCD)</p> <p>C</p> <p>E</p> <p>F ROWS</p>	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)						VOLTAGE
	ØA	ØB	C	ØD	°E	F (ROW)	
CRL-070-3-15-X	70	32	20	56	15	3	12V/24V
CRL-090-4-15-X	92	47	20	70	15	4	12V/24V
CRL-100-5-15-X	100	50	22	80	15	5	12V/24V
CRL-040-2-30-X	46	16	22	35	30	2	12V/24V
CRL-050-2-30-X	54	23.5	22	41	30	2	12V/24V
CRL-070-3-30-X	70	32	23.5	56	30	3	12V/24V
CRL-090-4-30-X	92	47	25.5	70	30	4	12V/24V
CRL-050-2-45-X	54	21	22	44	45	2	12V/24V
CRL-070-3-45-X	70	32	23.5	60	45	3	12V/24V
CRL-090-4-45-X	92	47	30	70	45	4	12V/24V
CRL-100-5-45-X	100	50	30	105	45	5	12V/24V
CRL-190-7-45-X	190	120	35	160	45	7	12V/24V
CRL-230-9-45-X	230	145	42.6	186	45	9	12V/24V
CRL-050-2-00-X	54	25	20	41	0	2	12V/24V
CRL-070-3-00-X	70	32	20	56	0	3	12V/24V
CRL-090-4-00-X	92	47	20	70	0	4	12V/24V



LRL Series - Low angle illumination:

- LED are arrange in LED angle to provide side illumination. LRL series are available in 1,2 and 3 rows to suite different brightness requirements.
- Application: edge detection, scratched on metal or glossy surface.

	<p>New heat dissipating construction</p> <p>CCD Camera This model LED Object</p>
<p>ØA ØB 4-TAP M3 AT ØC (PCD)</p> <p>D E</p>	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating :100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)						VOLTAGE
	ØA	ØB	ØC	D	°E	F (ROW)	
LRL-070-2-60-X	74	44	60	18	60	2	12V/24V
LRL-090-2-60-X	90	57	75	18	60	2	12V/24V
LRL-150-3-60-X	150	110	136	21	60	3	12V/24V
LRL-200-2-60-X	202	167	186	18	60	2	12V/24V
LRL-130-3-75-X	131	98	116	21	75	3	12V/24V
LRL-170-3-75-X	175	136	159	22	75	3	12V/24V



HRL Series - Low angle illumination:

- LED are arranged in led angle to provide side illumination. HRL series are available in 1,2 and 3 row to suite different brightness requirements.
- Application: edge detection, scratched on metal or glossy surface.

	<p>New heat dissipating construction</p>
	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)			
	ØA	ØB	C	VOLTAGE
HRL-050-1-90-X	56	27	33.5	12V/24V
HRL-060-1-90-X	66	36	43.5	12V/24V
HRL-070-1-90-X	74	44	56.5	12V/24V
HRL-090-1-90-X	95	65	77.5	12V/24V
HRL-140-1-90-X	151	121	127.5	12V/24V
HRL-170-1-90-X	175	145	157.5	12V/24V
HRL-200-1-90-X	205	172	187	12V/24V



GBL Series - High density, rectangular illuminations:

- LED arrays are arranged in rectangular array to provide rectangular illumination. The rectangular illumination can be mounted with different angle to provide difference in illumination reflection for image processing. Optional diffuser can be added to all LBS series for more even light distribution.
- Application: general illumination, label inspection, character inspection, code recognition.

	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)	
	ØA	VOLTAGE
GBL-050-3-00-X	50	12V/24V
GBL-080-3-00-X	80	12V/24V
GBL-090-3-00-X	100	12V/24V
GBL-140-3-00-X	144	12V/24V
GBL-190-3-00-X	190	12V/24V
GBL-200-3-00-X	200	12V/24V
GBL-300-3-00-X	300	12V/24V
GBL-400-3-00-X	400	12V/24V
GBL-500-3-00-X	500	12V/24V



SBL Series - High density, multiple rectangular illuminations:

- SBL series are a combination of 4 LBS LED arrays. Each array angle can be adjusted for different height application.
- Application: label inspection, character inspection, code recognition.

	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)			
	A	B	C	VOLTAGE
SBL-050-3-00-X	104	80	62	12V/24V
SBL-080-3-00-X	134	110	90	12V/24V
SBL-100-3-00-X	154	130	112	12V/24V
SBL-140-3-00-X	198	174	156	12V/24V
SBL-190-3-00-X	244	220	202	12V/24V



DRL Series - High density, diffused angle illuminations:

- DRL series provide diffused even illumination over a surface. The even illumination prevents glaring for shining surface.
- Application: character recognition on shining surface, lead inspection.


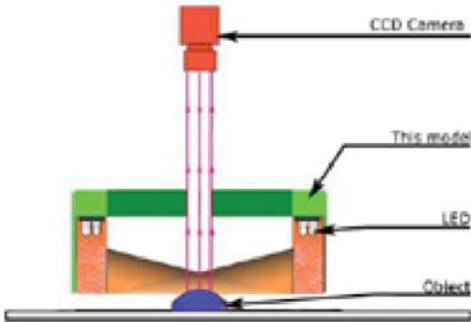
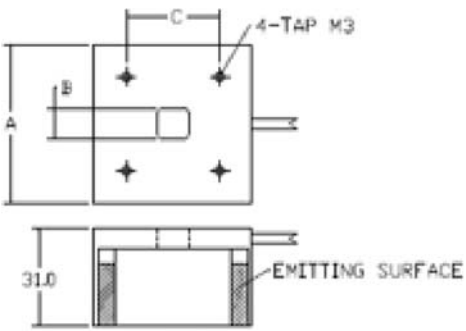
	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)					VOLTAGE
	ØA	ØB	ØC	D	°E	
DRL-050-2-45-X	50.8	8.0	25	35.5	45	12V/24V
DRL-070-2-45-X	76.2	21.5	52	35.5	45	12V/24V
DRL-100-2-45-X	101.6	45.5	76	35.5	45	12V/24V
DRL-120-2-45-X	127	71.0	102	35.5	45	12V/24V
DRL-050-2-60-X	50.8	20	25	42.0	60	12V/24V
DRL-070-2-60-X	76.2	45	52	42.0	60	12V/24V
DRL-100-2-60-X	101.6	70	76	42.0	60	12V/24V
DRL-120-2-60-X	127	95	102	42.0	60	12V/24V



DSL & DWS Series - Diffused rectangular illuminations:

- DSL & DWS series provide diffused even illumination over from sides. The even illumination is suitable for inspection of rectangular work-piece.
- Application: BGA ball inspection and QFP lead inspection .

	
	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)			VOLTAGE
	A	B	C	
DSL-030-1-90-X	31.8	10	20	12V/24V
DSL-050-1-90-X	50.8	10	30	12V/24V
DSL-070-1-90-X	76.2	20	40	12V/24V
DSL-100-1-90-X	101.6	20	50	12V/24V
DWS-070-1-90-X	76.2	40	66	12V/24V
DWS-100-1-90-X	101.6	66	91.5	12V/24V



DSA & DWA Series - Diffused angular illuminations:

- DSA & DWA series provide diffused even illumination over a surface. The even illumination prevents glaring for shining surface.
- Application: character recognition on shining surface, lead inspection .

	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)				VOLTAGE
	A	B	C	D	
DSA-050-1-60-X	50.8	16.0	30.0	60	12V / 24V
DSA-070-1-60-X	76.2	20.0	40.0	60	12V / 24V
DSA-100-1-60-X	101.6	20.0	40.0	60	12V / 24V
DSA-050-1-75-X	50.8	16.0	30.0	75	12V / 24V
DSA-070-1-75-X	76.2	20.0	40.0	75	12V / 24V
DSA-100-1-75-X	101.6	20.0	40.0	75	12V / 24V
DWA-070-1-60-X	76.2	40.0	66.0	60	12V / 24V
DWA-100-1-60-X	101.6	66.0	91.5	60	12V / 24V
DWA-070-1-75-X	76.2	40.0	66.0	75	12V / 24V
DWA-100-1-75-X	101.6	66.0	91.5	75	12V / 24V



DFA Series - Diffused angular illumination:

- DFA series provide diffused even illumination over a surface. A conical illumination surfaces makes it possible to illumination a work piece from almost any angle.
- Application: printed character on IC chips, PCB component, printing on caps, and wafer OCR inspection.

	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)					VOLTAGE
	ØA	ØB	C	ØD	°E	
DFA-050-1-00-X	50	10	12.7	22	0	12V/24V
DFA-070-1-00-X	76	20	12.7	40	0	12V/24V
DFA-100-1-00-X	100	32	12.7	58	0	12V/24V
DFA-120-1-00-X	126	45	12.7	77	0	12V/24V
DFA-210-1-00-X	215	70	12.7	134	0	12V/24V
DFA-270-1-00-X	271	122	12.7	187	0	12V/24V
DFA-070-1-15-X	76.2	20	15.8	40	15	12V/24V
DFA-100-1-15-X	101.6	30	15.8	60	15	12V/24V
DFA-120-1-15-X	127.0	30	15.8	80	15	12V/24V
DFA-050-1-30-X	50.8	8	16	20	30	12V/24V
DFA-070-1-30-X	76.2	20	19.6	40	30	12V/24V
DFA-100-1-30-X	101.6	30	23.7	60	30	12V/24V
DFA-120-1-30-X	127.0	30	29.2	80	30	12V/24V
DFA-050-1-30-X	50.8	8	15.9	20	45	12V/24V
DFA-070-1-45-X	76.2	20	23.1	40	45	12V/24V
DFA-100-1-45-X	101.6	30	33	60	45	12V/24V
DFA-120-1-45-X	127.0	30	33	80	45	12V/24V



RDL Series - Even illuminations for all angles

- RDL series shines from a conical surface providing illumination from all angles. The illumination is able to provide images without shadows.
- Application: Crack, chip, stains on circular or cylindrical objects, solder inspection and substrate inspection.

	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)					VOLTAGE
	ØA	ØB	C	ØD	ØE	
RDL-050-1-00-X	50	9	32.5	28	41	12V/24V
RDL-070-1-00-X	75	19	44.5	50	66	12V/24V
RDL-100-2-00-X	100	25	53	80	90	12V/24V



RDL Series - Even illuminations for all angles

- RDL series shines from a conical surface providing illumination from all angles. The illumination is able to provide images without shadows.
- Application: Crack, chip, stains on circular or cylindrical objects, solder inspection and substrate inspection.

	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)					
	ØA	ØB	C	ØD	ØE	VOLTAGE
RDL-150-2-00-X	170	45	92	55	153	12V/24V
RDL-200-2-00-X	220	50	117	60	200	12V/24V
RDL-250-2-00-X	268	50	142	60	250	12V/24V



BLR Series - Uniform back light

- BLR series LED are illumination four corners into a diffuser block. Light shines from the flat surface of the block.
- Application: Inspection of making transparent object.

	<p><u>Technical Specification:</u></p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)				VOLTAGE
	A	B	C	D	
BLR-050-1-00-X	88	52	12.7	80	12V / 24V
BLR-080-1-00-X	120	84	12.7	112	12V / 24V



BLN & BLK Series - High intensity back light

- BLN and BLK series are arranged in a dense array and shines into a diffuser. The even light shines from the diffuser providing area illumination.
- Application: Lead frame inspection, shape recognition, size measurement.

	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating : 100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)								VOLTAGE
	A	B	C	D	E	F	H	I	
BLK-010-00-X	26	18	10	12	18	26.5	10	3	12V / 24V
BLK-020-00-X	36	28	20	24	30	26.5	20	3	12V / 24V
BLK-030-00-X	46	38	30	34	40	26.5	30	3	12V / 24V
BLK-050-00-X	74	66	52	52	60	26.5	40	3	12V / 24V
BLK-070-00-X	94	86	72	72	80	26.5	60	3	12V / 24V
BLK-080-00-X	104	96	82	82	90	26.5	70	3	12V / 24V
BLK-100-00-X	124	116	102	102	110	26.5	90	3	12V / 24V
BLK-250-00-X	272	264	250	100	110	26.5	90	3	12V / 24V
BLN-010-00-X	26	18	12	12	18	11.5	12	3	12V / 24V
BLN-020-00-X	36	28	22	24	30	11.5	20	3	12V / 24V
BLN-030-00-X	46	38	32	34	40	11.5	30	3	12V / 24V
BLN-050-00-X	74	66	52	52	60	11.5	40	2	12V / 24V
BLN-070-00-X	94	86	72	72	80	11.5	60	2	12V / 24V
BLN-080-00-X	104	96	82	82	90	11.5	70	2	12V / 24V
BLN-100-00-X	124	116	102	102	110	11.5	90	2	12V / 24V



CAL Series - Even co-axial light

- CAL series provide co-axial illumination for tele-centric lenses. The lights are reflected by 45 degrees half mirror to provide light inline with the camera.
- Application: Surface inspection and alignment, wafer, metal surface, film, LCD and glass, pattern on PCB.

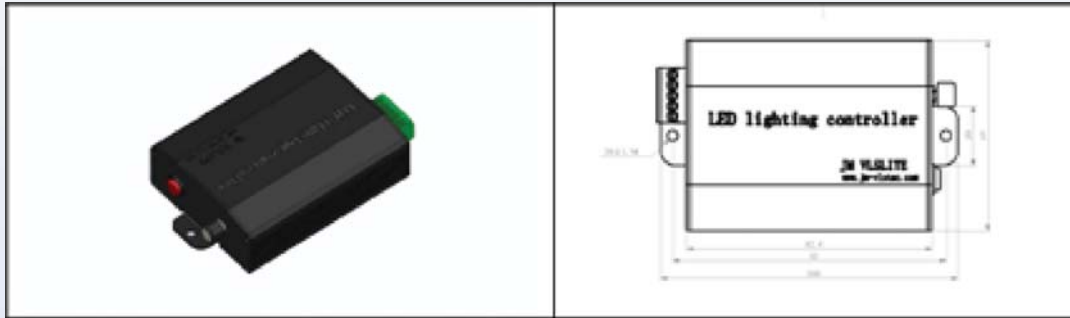
	<p>Technical Specification:</p> <ul style="list-style-type: none"> - Color : Red 630nm, Blue 470nm, Green 570nm and white. - Housing : Aluminum - Life rating :100,000 hours - Operating temperature : -40 to 70°C

Model	Dimensions (MM)									VOLTAGE
	A	B	C	D	E	F	G	H	TAP HOLE	
CAL-010-X-00-X	36	30	74.9	14	18	18	15	16	M4	12V/24V
CAL-020-X-00-X	46	40	84.8	15.5	25	25	20	20	M4	12V/24V
CAL-030-X-00-X	49	50	85	7	36	36	23	24	M4	12V/24V
CAL-040-X-00-X	66	60	105	14	48	48	25	25	M5	12V/24V
CAL-070-X-00-X	95	90	137.1	21.2	70	70	50	50	M5	12V/24V
CAL-080-X-00-X	81	104	123	12.2	65	84	45	50	M5	12v/24V
CAL-130-X-00-X	135	140	183.7	16.5	90	73	60	60	M5	12V/24V

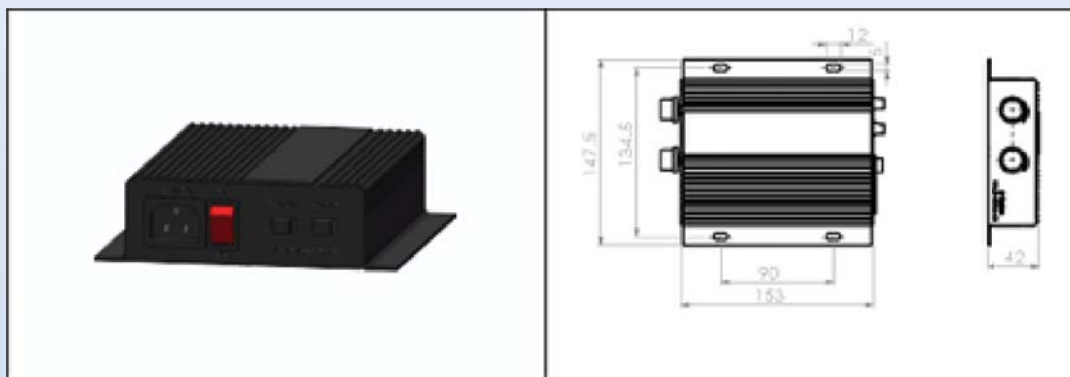


ANALOG LIGHTING CONTROLLER SERIES

Single Channel Lighting Controller

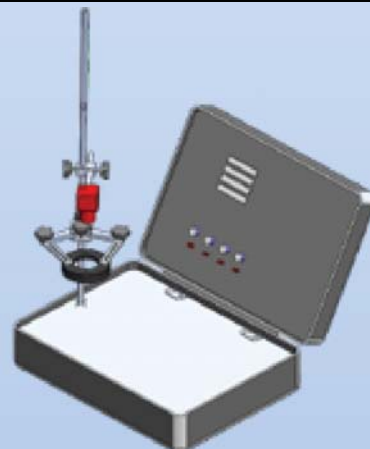


Dual Channel Lighting Controller



MODEL	DESCRIPTION
LC-A00-S	Analog Single Channel Lighting Controller
LC-A12-D-xxx	Analog Dual Channel Lighting Controller
LC-A24-D-xxx	Analog Dual Channel Lighting Controller

Experiment Camera Stand
- All in one experiment box.





CUSTOMIZE LED ILLUMINATION



CAL-Series



BLK-Series



RDL-Series



HRL-Series



BLN-Series



SRL-Series



CUSTOMIZE LED ILLUMINATION



DFA-Series



SBL-Series



GBL-Series



Dual Channel Lighting Controller



Single Channel Lighting Controller



Website : www.jm-vistec.com

E-mail : info@jm-vistec.com

Singapore : JM VisTec System Pte Ltd

10 Kaki Bukit Rd1,
#01-40 KB Industrial building,
Singapore 416175.
Tel : +65-6748 5517
Fax: +65-6748 5507

Shanghai : Sales Office

Room 201, Building 1, No.2036
Changjiang West Road,
Shanghai.
China 200431.
Tel : +86-21-5132 5120

China : JM VisTec (Suzhou) co., Ltd

501 Room C Seat
Creative Center of SND ,
No 117 Zhujiang Road ,
Suzhou New District,
China 2151101.
Tel: +86-512-6878 1867
Fax: +86-512-6878 6837

Taiwan : JM Vision Technologies Co., Ltd

8F-8, No. 16 Lane 609,
Sec 5, Chung Hsin Road,
San Chung City,
Taipei Hsien Taiwan ROC
Tel : +886-2-2999-8519
HP: +886-2-2999-0699