2016

LAK

MACHINE VISION LIGHTING
LAK PRODUCT CATALOG

CCS Asia PTE LTD

BAR LIGHT

SL SERIES

PRODUCT LINE UP

Series	Part Number	Color	Wavelength/ Color Temp.	Power Consumption (W)	Options			Dimensions
SL	SL-33X8R	Red	630nm	1.3	D	P	-	
SL	SL-33X8G	Green	525nm	1.3	D	P	-	
SL	SL-33X8B	Blue	470nm	1.3	D	P	-	Fig. 1
SL	SL-33X8W	White	5,500k	2.1	D	P	-	
SL	SL-33X8IR	Infrared	940nm	1.3	D	P	-	
SL	SL-50X15R	Red	630nm	1.6	D	P	-	
SL	SL-50X15G	Green	525nm	1.6	D	P	-	
SL	SL-50X15B	Blue	470nm	1.6	D	P	-	Fig. 2
SL	SL-50X15W	White	5,500k	2.6	D	P	-	
SL	SL-50X15IR	Infrared	940nm	1.6	D	P	-	
SL	SL-100X15R	Red	630nm	3.1	D	P	-	
SL	SL-100X15G	Green	525nm	3.1	D	P	-	
SL	SL-100X15B	Blue	470nm	3.1	D	P	-	Fig. 3
SL	SL-100X15W	White	5,500k	5.2	D	P	-	
SL	SL-100X15IR	Infrared	940nm	3.1	D	P	-	
SL	SL-150X15R	Red	630nm	4.6	D	P	-	
SL	SL-150X15G	Green	525nm	4.6	D	P	-	
SL	SL-150X15B	Blue	470nm	4.6	D	P	-	Fig. 4
SL	SL-150X15W	White	5,500k	7.8	D	P	-	
SL	SL-150X15IR	Infrared	940nm	4.6	D	P	-	
SL	SL-200X15R	Red	630nm	6.1	D	P	-	
SL	SL-200X15G	Green	525nm	6.1	D	P	-	
SL	SL-200X15B	Blue	470nm	6.1	D	P	-	Fig. 5
SL	SL-200X15W	White	5,500k	11	D	P	-	
SL	SL-200X15IR	Infrared	940nm	6.1	D	P	-	
SL	SL-250X15R	Red	630nm	7.6	D	P	-	
SL	SL-250X15G	Green	525nm	7.6	D	P	-	
SL	SL-250X15B	Blue	470nm	7.6	D	P	-	Fig. 6
SL	SL-250X15W	White	5,500k	13	D	P	-	
SL	SL-250X15IR	Infrared	940nm	7.6	D	P	-	

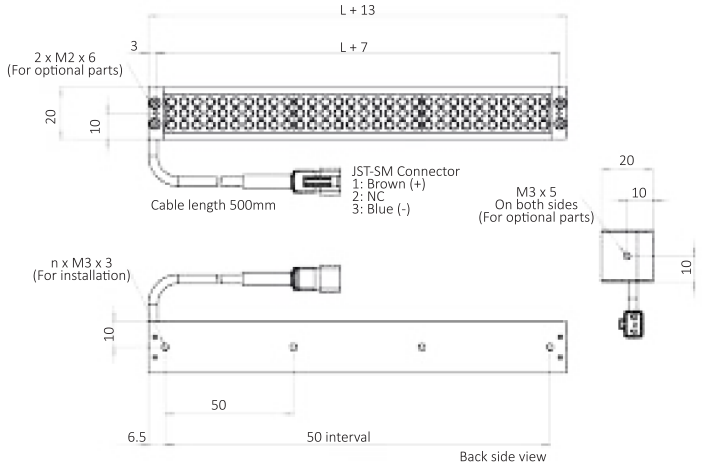
Note: The following codes are used to indicate the options.
- D = Diffuser, P = Polarizer

Series	Part Number	Color	Wavelength/ Color Temp.	Power Consumption (W)	Options			Dimensions
SL	SL-300X15R	Red	630nm	9.1	D	P	-	
SL	SL-300X15G	Green	525nm	9.1	D	P	-	
SL	SL-300X15B	Blue	470nm	9.1	D	P	-	Fig. 7
SL	SL-300X15W	White	5,500k	16	D	P	-	
SL	SL-300X15IR	Infrared	940nm	9.1	D	P	-	
SL	SL-75X30R	Red	630nm	4.6	D	P	-	
SL	SL-75X30G	Green	525nm	4.6	D	P	-	
SL	SL-75X30B	Blue	470nm	4.6	D	P	-	Fig. 8
SL	SL-75X30W	White	5,500k	6.1	D	P	-	
SL	SL-75X30IR	Infrared	940nm	4.6	D	P	-	
SL	SL-100X30R	Red	630nm	6.1	D	P	-	
SL	SL-100X30G	Green	525nm	6.1	D	P	-	
SL	SL-100X30B	Blue	470nm	6.1	D	P	-	Fig. 9
SL	SL-100X30W	White	5,500k	8.1	D	P	-	
SL	SL-100X30IR	Infrared	940nm	6.1	D	P	-	
SL	SL-150X30R	Red	630nm	9.1	D	P	-	
SL	SL-150X30G	Green	525nm	9.1	D	P	-	
SL	SL-150X30B	Blue	470nm	9.1	D	P	-	Fig. 10
SL	SL-150X30W	White	5,500k	13	D	P	-	
SL	SL-150X30IR	Infrared	940nm	9.1	D	P	-	
SL	SL-200X30R	Red	630nm	13	D	P	-	
SL	SL-200X30G	Green	525nm	13	D	P	-	
SL	SL-200X30B	Blue	470nm	13	D	P	-	Fig. 11
SL	SL-200X30W	White	5,500k	17	D	P	-	
SL	SL-200X30IR	Infrared	940nm	13	D	P	-	
SL	SL-300X30R	Red	630nm	19	D	P	-	
SL	SL-300X30G	Green	525nm	19	D	P	-	
SL	SL-300X30B	Blue	470nm	19	D	P	-	Fig. 12
SL	SL-300X30W	White	5,500k	25	D	P	-	
SL	SL-300X30IR	Infrared	940nm	19	D	P	-	

SEMI-CUSTOMIZATION

50X15mm Module

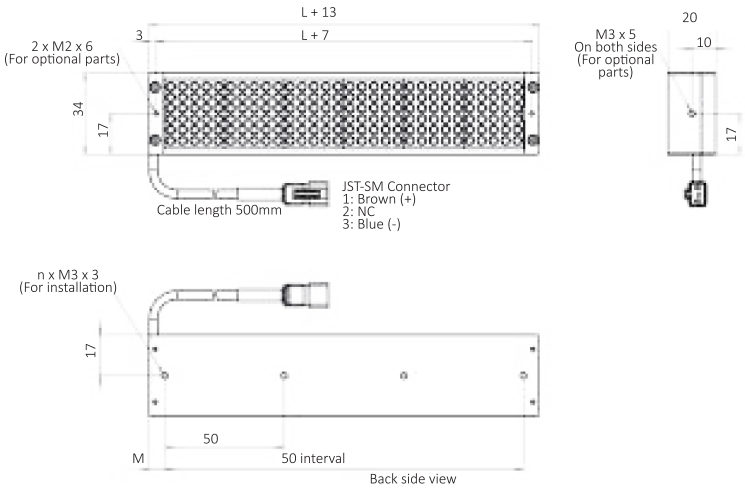
Formula	SL-50NX15C
Factor N	N = x1 ~ 20 (maximum length is 1,000mm)
Factor C	C = R/G/B/W/IR (choice of Red, Green, Blue, White or IR940nm)



Part Number	L (Emitting Surface)	n	Power Consumption (W)
SL-350X15x	350	8	11
SL-400X15x	400	9	13
SL-450X15x	450	10	14
SL-500X15x	500	11	16
SL-550X15x	550	12	17
SL-600X15x	600	13	19
SL-650X15x	650	14	20
SL-700X15x	700	15	22
SL-750X15x	750	16	23
SL-800X15x	800	17	25
SL-850X15x	850	18	26
SL-900X15x	900	19	28
SL-950X15x	950	20	29
SL-1000X15x	1000	21	31

25X30mm Module

Formula	SL-25NX30C
Factor N	N = x2 ~ 20 (maximum length is 500mm)
Factor C	C = R/G/B/W/IR (choice of Red, Green, Blue, White or IR940nm)



Part Number	L (Emitting Surface)	M	n	Power Consumption (W)
SL-50X30x	50	6.5	2	3.1
SL-125X30x	125	19	3	7.6
SL-175X30x	175	19	4	11
SL-225X30x	225	19	5	14
SL-250X30x	250	6.5	6	16
SL-275X30x	275	19	6	17
SL-325X30x	325	19	7	20
SL-350X30x	350	6.5	8	22
SL-375X30x	375	19	8	23
SL-400X30x	400	6.5	9	25
SL-425X30x	425	19	9	26
SL-450X30x	450	6.5	10	28
SL-475X30x	475	19	10	29
SL-500X30x	500	6.5	11	31

x = R,B,G,W,IR

OPTIONS

Diffuser		Polarizer	
Part Number	Applicable LED Unit	Part Number	Applicable LED Unit
DF-SL-33X8	SL-33X8x	PL-SL-33X8	SL-33X8x
DF-SL-50X15	SL-50X15x	PL-SL-50X15	SL-50X15x
DF-SL-100X15	SL-100X15x	PL-SL-100X15	SL-100X15x
DF-SL-150X15	SL-150X15x	PL-SL-150X15	SL-150X15x
DF-SL-200X15	SL-200X15x	PL-SL-200X15	SL-200X15x
DF-SL-250X15	SL-250X15x	PL-SL-250X15	SL-250X15x
DF-SL-300X15	SL-300X15x	PL-SL-300X15	SL-300X15x
DF-SL-75X30	SL-75X30x	PL-SL-75X30	SL-75X30x
DF-SL-100X30	SL-100X30x	PL-SL-100X30	SL-100X30x
DF-SL-150X30	SL-150X30x	PL-SL-150X30	SL-150X30x
DF-SL-200X30	SL-200X30x	PL-SL-200X30	SL-200X30x
DF-SL-300X30	SL-300X30x	PL-SL-300X30	SL-300X30x

DIMENSIONS (MM)

Fig. 1

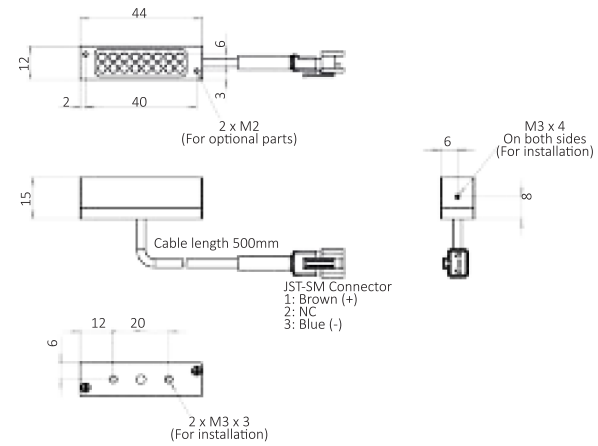


Fig. 2

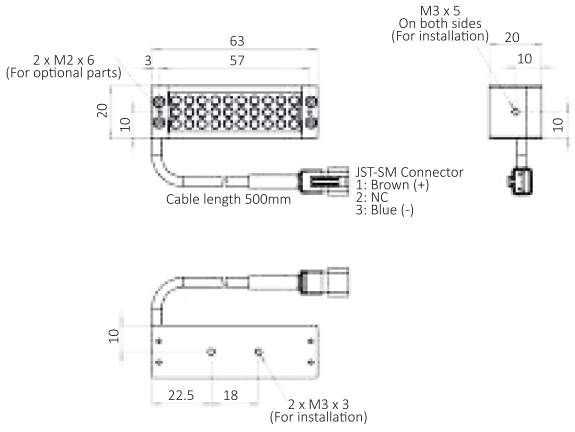


Fig. 3

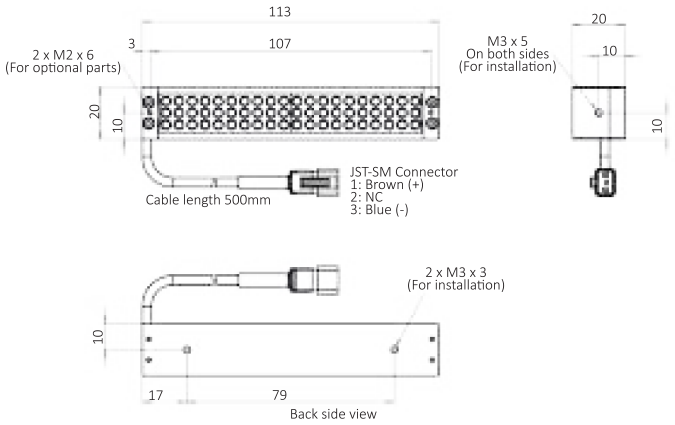


Fig. 4

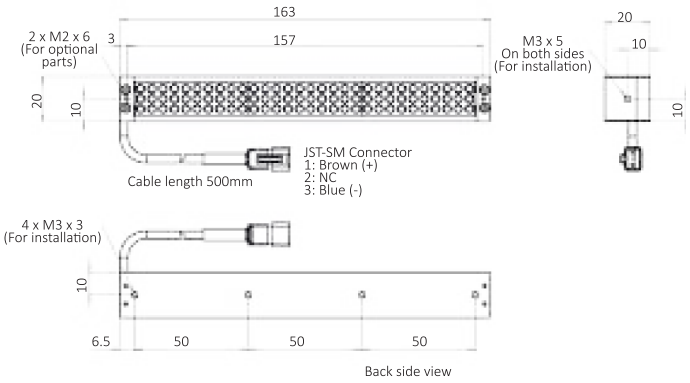


Fig. 5

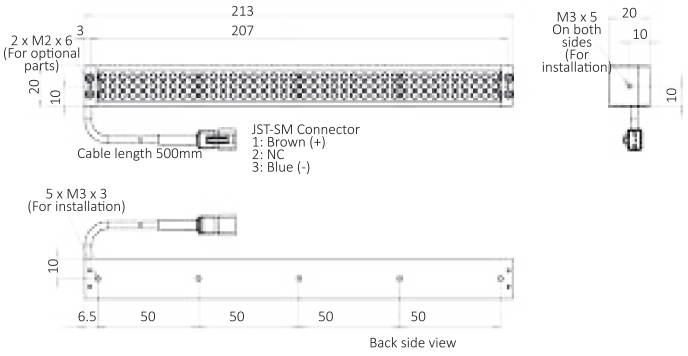


Fig. 6

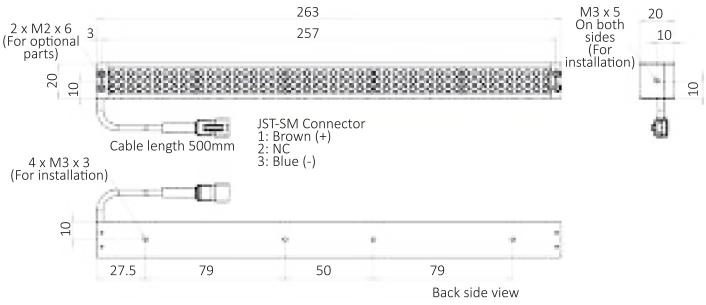


Fig. 7

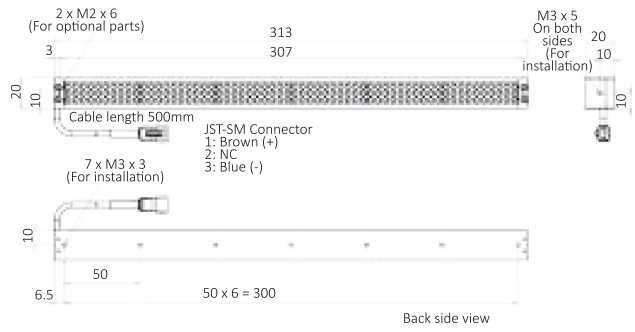


Fig. 8

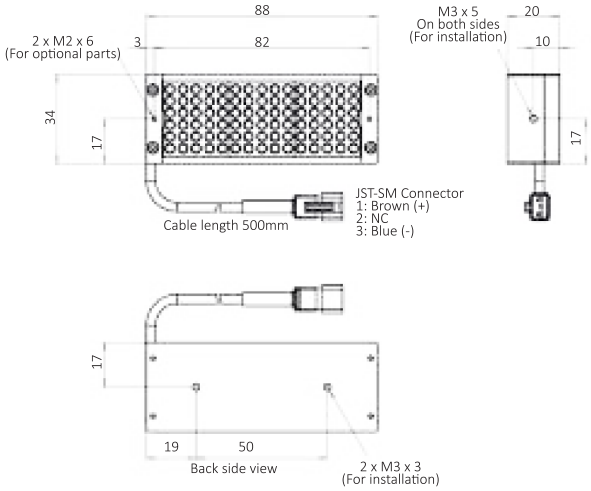


Fig. 8

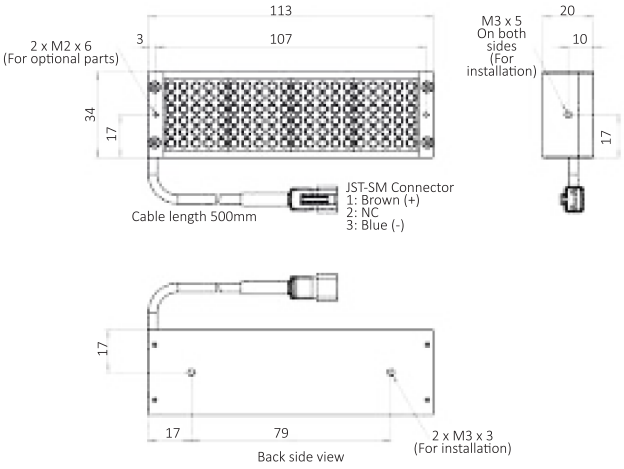


Fig. 10

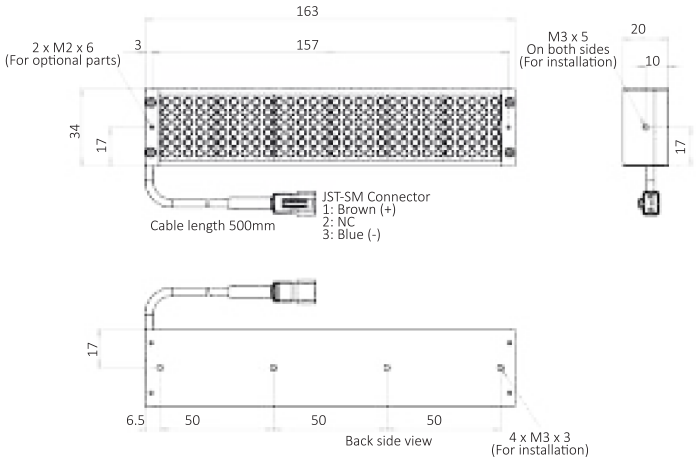


Fig. 11

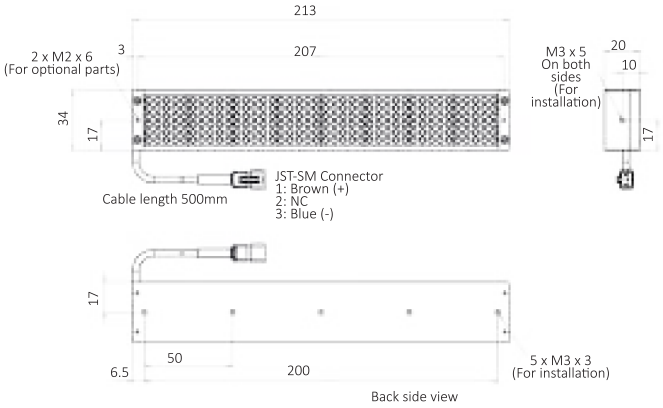
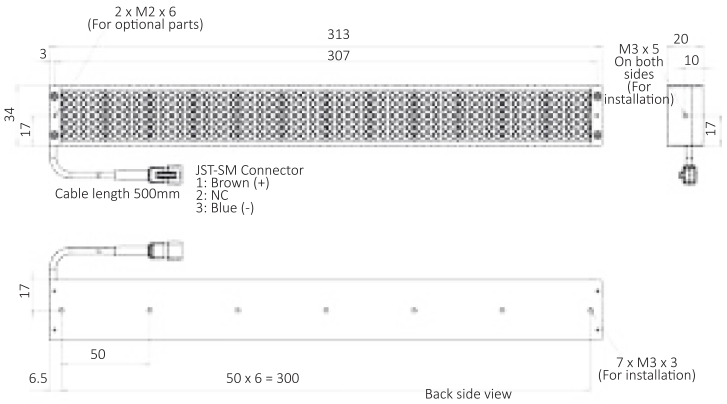
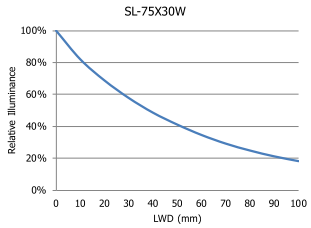
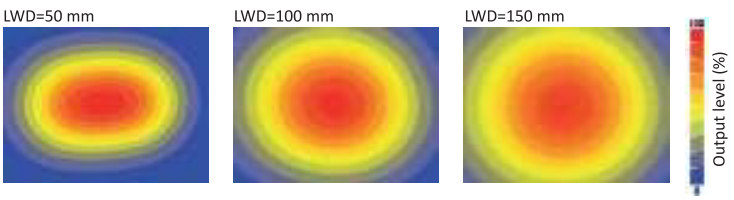


Fig. 12



TECHNICAL DATA

Illuminance Graph (Relative Illuminance)



Uniformity Data SL-75X30W