



Product Catalogue

2013/14



Your partner in lighting technology





SIRIJAYA
FLEXIBILITY

History



Brief History of SIRIJAYA :

Since 1983, we started in plastic injection to produce lamp and starter holder under the brand SIRIJAYA for the local markets with 5 working man. In 1980s, little emphasis was placed due to the limited market size and lack of domestic upstream. Hence, growth was limited in terms of technical know-how, research and development and scale of operations.

In 1985 and 1986, when the Malaysia economy suffered recession, we enable to overcome the difficulty with hard work and dedication. The prevailing weak economic experienced did not hamper further expansion of SIRIJAYA industries.

In 1992, SIRIJAYA expanded further by entering into lighting fixtures industries developed the brand SJ Lite and the first project we encountered was the Subang Airport terminal 2.

In 1995, SIRIJAYA industrial base was moved from Silibin Industrial Area to Chanda Raya Industrial Area in Menglembu with a built up area of 30,000 square feet. In 2008 we moved to IGB Industrial Area Chemor with a plant occupies area of 100,000 square meter. It continues to achieve record performance characterized by innovative thinking in product development, market strategy-business concepts, management direction and advanced to OEM and contract business.

Today, it is uniquely structured to further aggressively enhance its range of business activities, efficiencies and profitability. It has its staff length of over 400 workers. Now, we are celebrating our fully completion of our new factory with a built up area of 50,000 square meter. SIRIJAYA has achieved a tremendous growth over past 15 years with annual average growth rate of about 25%. There is no doubt that SIRIJAYA has been assuming a very important role in contributing to this growth.



Your partner in lighting technology

Technology



Prototype

These advanced units of equipment include the Flexible Manufacturing system which allows mass production combined with a high level of performance, productivity, precision and efficiency, the latest Computerized Compact Flexible Punching & Bending machine from Salvagnini Italy.



Goniophotometer

An Optical Comparator used in the quality control process and also a sophisticated Goniophotometer from LMT Germany which is used to measure the Luminous intensity of luminaires.




Quality Control

The Knowledge gained from research and cost efficiencies realized from automation have benefited our customers in terms of quality lighting products available at competitive prices. The company will continue to improve current processes and to develop other innovative R&D processes, doing research into overseas markets and investigate into possible product development because we are committed to satisfying our customers' needs.

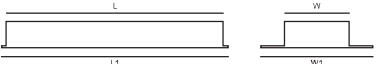
Luminaire
picture

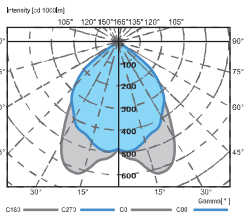
Indoor | General Lighting | Recessed | VDU Fitting (T5)



SRU 128 (1x4)

Suitable for DSE application in accordance with CIBSE LG3 due to limited luminance $L \leq 1000 \text{ cd/m}^2$ at reference angle above 65° all round. Designed for recess mounting with double parabolic mirror optic louvre. Exceptional performance with LOR'S in excess of 90%. Mainly used for general lighting in offices and shops.





Luminaire
references

TM5 Utilization
Factors

TM5 Utilization Factors

Utilization factors			LOR = 93.5%					DLOR = 93.5%					ULOR = 0.0%							
Room reflection			Room index																	
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	76	83	87	90	94	97	99	101	103	76	83	87	90	94	97	99	101	103
	0.3		72	78	83	87	91	94	96	99	101	72	78	83	87	91	94	96	99	101
	0.1		68	75	80	84	88	92	94	97	99	68	75	80	84	88	92	94	97	99
0.5	0.5	0.2	75	81	85	88	92	94	96	98	99	75	81	85	88	92	94	96	98	99
	0.3		71	77	82	85	89	92	93	96	97	71	77	82	85	89	92	93	96	97
	0.1		68	74	79	82	87	90	92	94	96	68	74	79	82	87	90	92	94	96
0.3	0.5	0.2	74	80	83	86	89	91	93	94	95	74	80	83	86	89	91	93	94	95
	0.3		70	76	81	83	87	89	91	93	94	70	76	81	83	87	89	91	93	94
	0.1		68	74	78	81	85	88	89	92	93	68	74	78	81	85	88	89	92	93
0.0	0.0	0.0	66	72	76	79	82	84	86	88	89	66	72	76	79	82	84	86	88	89

SHR NOM = 1.50 SHR MAX = 1.57 SHR MAX
TR = 1.66

Distribution
curve

Technical
data

Technical Data

Body	Made of heavy gauge sheet steel.
Louvre	High quality anodised aluminium.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent T5 lamp of 14W, 28W.
Electrical Data	240V, 50Hz, Power factor 0.95.
Wire	HR 105° C.
Ballast	Electronic ballast.
Lampholder	Moulded from Polycarbonate Material.
Optional/ Components	Fused terminal block/Emergency pack.

Ordering
code

Luminaire Classifications &
Lamp information

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SRU 114	1x14W	570	595	170	295	70	-
SRU 214	2x14W	570	595	173	295	70	-
SRU 128 (1x4)	1x28W	1170	1195	170	295	70	-
SRU 228	2x28W	1170	1195	173	295	70	-

Page number

Luminaire Classifications &
Lamp information


G5

CLASS 1

IP20

Note : Subject to $\pm 1.5\text{mm}$



*SJ Lite reserves the right to change and amend the specification without prior notice.



Your partner in lighting technology

Brand logo & Slogan

Products Overview

Batten	<p><i>Bare Batten</i></p>  <p>pg. 16</p>	<p><i>Reflected Batten- Asym.</i></p>  <p>pg. 19</p>	<p><i>Reflected Batten- Sym.</i></p>  <p>pg. 21</p>	
Weather Proof	<p><i>Anti Corrosive Fitting - IP65</i></p>  <p>pg. 33</p>			
Diffused Fitting	<p><i>Recessed T-Bar</i></p>  <p>pg. 35</p>	<p><i>Recessed T-Bar - Hinged</i></p>  <p>pg. 37</p>	<p><i>Recessed T-Bar - Clean Room Fitting</i></p>  <p>pg. 39</p>	
	<p><i>Surface Mounted</i></p>  <p>pg. 50</p>	<p><i>Surface - Hinged</i></p>  <p>pg. 51</p>	<p><i>Surface - Clean Room Fitting</i></p>  <p>pg. 53</p>	
Louvre Fitting	<p><i>Recessed T-Bar MOL</i></p>  <p>pg. 54</p>	<p><i>Recessed T-Bar MOL - Air Handling</i></p>  <p>pg. 58</p>	<p><i>Recessed T-Bar VDU</i></p>  <p>pg. 60</p>	
	<p><i>Wood/Plaster Ceiling MOL</i></p>  <p>pg. 71</p>	<p><i>Wood/Plaster Ceiling VDU</i></p>  <p>pg. 73</p>	<p><i>Wood/Plaster Ceiling VDU - PLL</i></p>  <p>pg. 74</p>	
	<p><i>Surface Reflected Radius Design</i></p>  <p>pg. 79</p>	<p><i>Surface MOL Radius Design</i></p>  <p>pg. 80</p>	<p><i>Surface - Reflector Fitting - Asym.</i></p>  <p>pg. 82</p>	



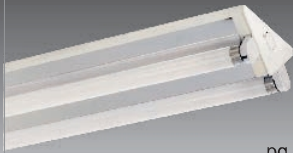
Your partner in lighting technology

Reflected Batten- M Type



pg. 24

Reflected Batten- V Type



pg. 25

Diffused Batten



pg. 27

Vandal Proof Batten



pg. 30

*Recessed T-Bar - Clean Room Fitting
Top Opener IP65*



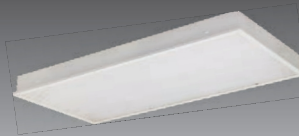
pg. 45

Recessed T-Bar - Troffer



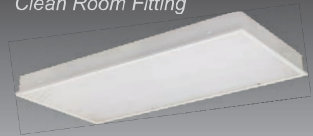
pg. 46

Wood/Plaster Ceiling



pg. 47

*Wood/Plaster Ceiling -
Clean Room Fitting*



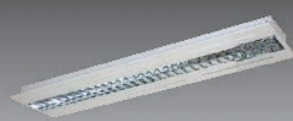
pg. 48

Recessed T-Bar VDU - Perforated



pg. 63

Recessed T-Bar VDU - Air Handling



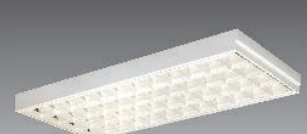
pg. 65

Recessed VDU - Luxalon



pg. 68

Recessed T-Bar White Louvre



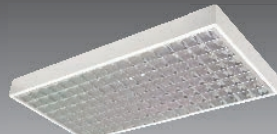
pg. 69

Surface MOL



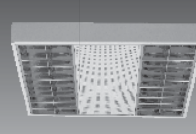
pg. 75

Surface VDU



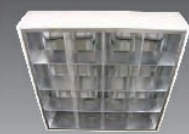
pg. 76

Surface VDU - Perforated



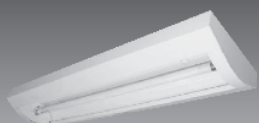
pg. 77

Surface VDU - PLL



pg. 78

Surface - Louvre Fitting



pg. 83

*Custom designs and specifications are available upon request.

Products Overview

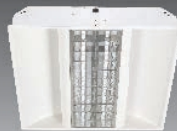
Direct & Indirect Fitting

Recessed Indirect



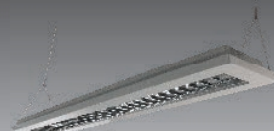
pg. 84

Recessed Direct & Indirect VDU



pg. 86

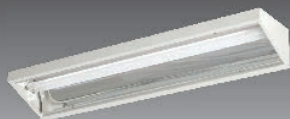
Pendant Direct & Indirect VDU



pg. 87

Wall Washer

Surface Wall Washer



pg. 89



Your partner in lighting technology

*Custom designs and specifications are available upon request.

Products Overview

Downlight

Recessed Horizontal



pg. 91

Recessed Vertical



pg. 97

Recessed Adjustable



pg. 101

Recessed Adjustable Halogen



pg. 121

Highbay

Uranus 100



pg. 134

Uranus 200



pg. 136

Uranus 300



pg. 139

Lowbay

Venus 100



pg. 142

Venus 200



pg. 143

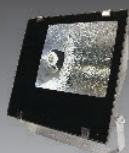
Venus 400



pg. 144

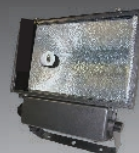
Floodlight

Neptune 100



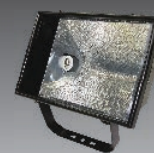
pg. 146

Neptune 200



pg. 147

Neptune 300



pg. 148

Street Lantern

Mars 100



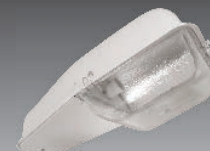
pg. 152

Mars 300



pg. 153

Mars 500



pg. 154

Compound Lighting

Saturn 100



pg. 156



Your partner in lighting technology

Surface Mounted



pg. 104

Recessed Mounted



pg. 109

Surface Adjustable Spotlight



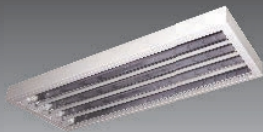
pg. 114

*Recessed Adjustable Spotlight
- Multiple*



pg. 115

Pendant Highbay



pg. 140

Neptune 400



pg. 149

Neptune 500



pg. 150

Technical Data

Luminaire Classifications



Class 1



Class 2



Class 3

pg. 157

Distribution Curve

pg. 158

Lamp Information



pg. 159



Your partner in lighting technology

*Custom designs and specifications are available upon request.



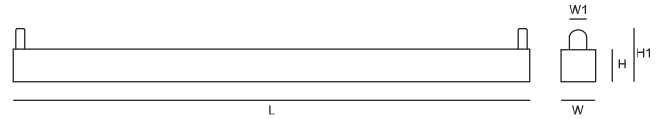
GENERAL

Lighting



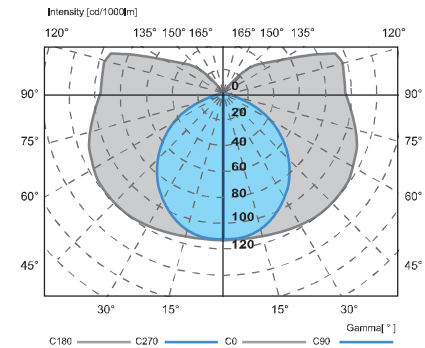
SB 140

Suitable for ceiling, wall or pendant mounting using suspension system. Provide maximum efficiency and economical. Discrete appearance achieved with adjustable lampholders. Cover plate held securely by treaded nut, offering large screw area using hand for fast installation. Suitable for most application in commercials, industrials and domestic areas.



TM5 Utilization Factors

Utilization factors			Room index									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	N.A.	38	43	46	51	55	57	61	63	
	0.3		N.A.	32	37	41	46	50	53	57	60	
	0.1		N.A.	28	32	36	42	46	49	54	57	
0.5	0.5	0.2	N.A.	35	39	42	46	49	52	55	57	
	0.3		N.A.	30	34	37	42	45	48	52	54	
	0.1		N.A.	26	30	33	38	42	45	49	52	
0.3	0.5	0.2	N.A.	31	35	38	42	44	46	49	51	
	0.3		N.A.	27	31	34	38	41	44	47	49	
	0.1		N.A.	24	28	31	35	39	41	45	47	
0.0	0.0	0.0	N.A.	20	24	26	30	33	35	38	40	
			SHR NOM =1.75 SHR MAX =1.90 SHR MAX TR =2.57									



Technical Data

Photometry result or data are available for interior lux calculation upon request. Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent TLD lamp of 18W, 36W and 58W.
Electrical Data	240V, 50Hz, Power factor 0.9.
Wire	HR 105° C.
Ballast	Polyester Vacuum Impregnated.
Condenser	Metallised Polypropylene Film.
Starter	SERIES(4W-22W), SINGLE(4W-80W).
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional Components	Fused terminal block/Electronic ballast/Emergency pack.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SB 120	1x18W	612	-	53	-	42	87
SB 220	2x18W	612	-	53	100	42	85
SB 140	1x36W	1221	-	53	-	42	87
SB 240	2x36W	1221	-	53	100	42	85
SB 340	3x36W	1224	-	53	129	42	87
SB 158	1x58W	1525	-	54	-	42	87
SB 258	2x58W	1525	-	54	100	42	85



Note : Subject to +/- 1.5mm

*SJ Lite reserves the write to change and amend the specification without prior notice.



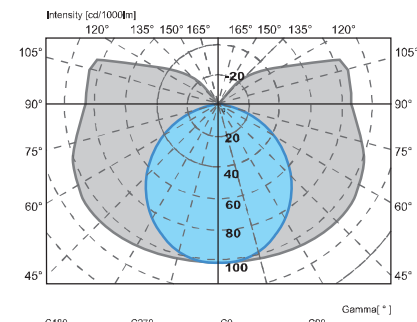
SB 128

Suitable for ceiling, wall or pendant mounting using suspension system. Provide maximum efficiency and economical. Discrete appearance achieved with adjustable lampholders. Cover plate held securely by treaded nut, offering large screw area using hand for fast installation. Ideal for office, schools, libraries, government building and commercial building.



TM5 Utilization Factors

Utilization factors			LOR =93.4% DLOR =75.3% ULOR =18.1%									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	N.A.	51	57	62	69	73	77	82	85	
	0.3		N.A.	43	49	54	62	67	71	76	80	
	0.1		N.A.	37	43	48	56	61	66	72	76	
0.5	0.5	0.2	N.A.	47	53	57	63	67	70	75	77	
	0.3		N.A.	40	46	51	57	62	65	70	74	
	0.1		N.A.	35	41	45	52	57	61	67	70	
0.3	0.5	0.2	N.A.	43	48	52	58	61	64	68	71	
	0.3		N.A.	38	43	47	53	57	60	65	68	
	0.1		N.A.	33	38	43	49	53	57	62	65	
0.0	0.0	0.0	N.A.	29	33	37	42	46	49	54	57	
			SHR NOM =1.75 SHR MAX =1.96 SHR MAX TR =2.58									



Technical Data

Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent T5 14/24W, 21/39W, 28/54W, 35/49W.
Electrical Data	240V, 50Hz, Power factor 0.95.
Wire	HR 105° C.
Ballast	Electronic Ballast.
Lampholder	Moulded from Polycarbonate Material.
Optional Components	Fused terminal block.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SB 114	1x14W/24W	571	-	38	-	35	58
SB 214	2x14W/24W	571	-	38	67	35	60
SB 121	1x21W/39W	871	-	38	-	35	58
SB 221	2x21W/39W	871	-	38	67	35	60
SB 128	1x28W/54W	1171	-	38	-	35	58
SB 228	2x28W/54W	1171	-	38	67	35	60
SB 135	1x35W/49W	1471	-	38	-	35	58
SB 235	2x35W/49W	1471	-	38	67	35	60



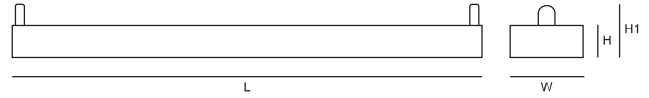
Note : Subject to +/- 1.5mm

*SJ Lite reserves the right to change and amend the specification without prior notice.



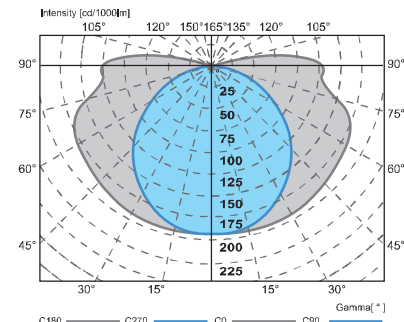
SBW 128

Fitting suitable for ceiling, wall or pendant mounting. Cover plate held securely by threaded nut for fast installation. Provide maximum direct distribution efficiency and economical. Large terminal block for ease installation. Ideal for most application.



TM5 Utilization Factors

Utilization factors			LOR=96.7%			DLOR=87.1%			ULOR=9.6%		
Room reflection			Room index								
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	N.A.	55	62	66	74	79	82	87	91
	0.3		N.A.	47	53	58	66	72	76	82	86
	0.1		N.A.	40	47	52	60	66	70	77	81
0.5	0.5	0.2	N.A.	52	58	62	69	73	77	81	84
	0.3		N.A.	45	51	56	63	68	71	77	80
	0.1		N.A.	39	45	50	57	63	67	73	77
0.3	0.5	0.2	N.A.	49	54	59	65	69	72	76	79
	0.3		N.A.	43	48	53	59	64	67	72	76
	0.1		N.A.	38	44	48	55	60	64	69	73
0.0	0.0	0.0	N.A.	34	39	44	50	54	58	63	66
			SHR NOM =1.75			SHR MAX =1.87			SHR MAX		
			TR =2.35								



Technical Data

Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent T5 lamp of 14/24W, 28/54W.
Electrical Data	240V, 50Hz, Power factor 0.95.
Wire	HR 105° C.
Ballast	Electronic Ballast.
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional Components	Fused Terminal Block/Emergency Packs.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SBW 114	1X14/24W	571	-	111	-	47.5	80
SBW 214	2X14/24W	571	-	111	-	47.5	80
SBW 128	1X28/54W	1171	-	111	-	47.5	80
SBW 228	2X28/54W	1171	-	111	-	47.5	80



Note : Subject to +/- 1.5mm

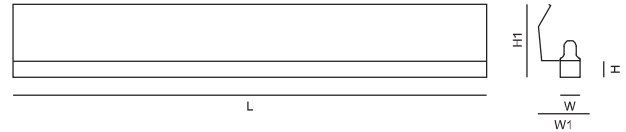
*SJ Lite reserves the right to change and amend the specification without prior notice.

Indoor | General Lighting | Reflected Batten - Asym (Metal)



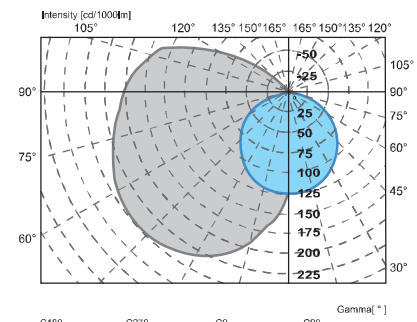
SA 140

Suitable for ceiling or wall mounting. Asymmetrical mirror reflector for directional light distribution. Reflector held securely by treaded nut, offering large screw area using hand for fast installation. Available in different angle reflection. End to end continuously mounting from preformed punch out type without additional drilling required. Ideal for wall washer or directional light distribution application.



TM5 Utilization Factors

Utilization factors			LOR = 73.7% DLOR = 56.5% ULOR = 17.2%									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	N.A.	38	43	47	52	56	59	63	65	
	0.3		N.A.	32	37	41	47	51	54	50	61	
	0.1		N.A.	27	32	36	42	46	50	55	58	
0.5	0.5	0.2	N.A.	35	39	42	47	51	53	57	59	
	0.3		N.A.	29	34	37	42	46	49	53	56	
	0.1		N.A.	25	30	33	39	42	46	50	53	
0.3	0.5	0.2	N.A.	31	35	38	42	45	48	51	53	
	0.3		N.A.	27	31	34	39	42	45	48	51	
	0.1		N.A.	23	27	31	35	39	42	46	48	
0.0	0.0	0.0	N.A.	19	23	26	30	33	35	39	41	
			SHR NOM = 1.75 SHR MAX = 1.99 SHR MAX									
			TR = 2.66									



Technical Data

Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Reflector	Metal Reflector.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent TLD lamp of 18W, 36W and 58W.
Electrical Data	240V, 50Hz, Power factor 0.9.
Wire	HR 105° C.
Ballast	Polyester Vacuum Impregnated.
Condenser	Metallised Polypropylene Film.
Starter	SERIES(4W-22W), SINGLE(4W-80W).
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional Components	Fused terminal block/Electronic ballast/Emergency packs.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SA 120	1X18W	612	-	53	70	42	168
SA 220	2X18W	612	-	53	133	42	188
SA 140	1X36W	1221	-	53	70	42	168
SA 240	2X36W	1221	-	53	133	42	188
SA 158	1X58W	1522	-	53	70	42	168
SA 258	2X58W	1522	-	53	133	42	188



Note : Subject to +/- 1.5mm

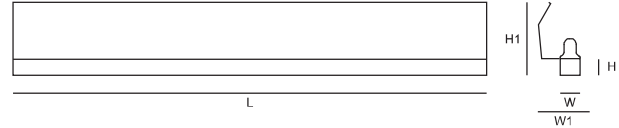
*SJ Lite reserves the right to change and amend the specification without prior notice.





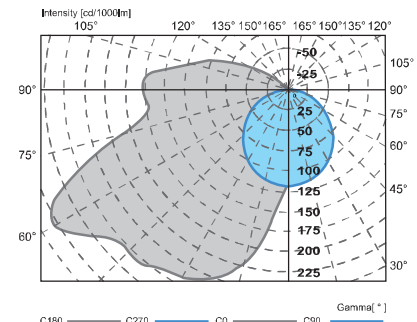
SA 140 AR

Suitable for ceiling or wall mounting. Asymmetrical mirror reflector for directional light distribution. Reflector held securely by treaded nut, offering large screw area using hand for fast installation. Available in different angle reflection. Discrete appearance achieved with adjustable lampholder. End to end continuously mounting from preformed punch out type without additional drilling required. Ideal for wall washer or directional light distribution application.



TM5 Utilization Factors

Utilization factors			LOR = 74.1% DLOR = 61.6% ULOR = 12.5%									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	N.A.	40	45	49	54	58	61	65	68	
	0.3		N.A.	34	38	42	49	53	56	61	64	
	0.1		N.A.	29	33	37	44	49	52	57	61	
0.5	0.5	0.2	N.A.	37	41	45	50	54	56	60	62	
	0.3		N.A.	32	36	39	45	49	52	56	59	
	0.1		N.A.	28	31	35	41	46	49	53	56	
0.3	0.5	0.2	N.A.	35	38	41	46	49	52	55	57	
	0.3		N.A.	30	33	37	42	46	48	52	55	
	0.1		N.A.	26	30	33	39	43	45	50	52	
0.0	0.0	0.0	N.A.	23	26	29	34	37	40	44	46	
			SHR NOM = 2.00 SHR MAX = 2.03 SHR MAX TR = 3.00									



Technical Data

Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Reflector	Aluminium Reflector.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent TLD lamp of 18W, 36W and 58W.
Electrical Data	240V, 50Hz, Power factor 0.9.
Wire	HR 105° C.
Ballast	Polyester Vacuum Impregnated.
Condenser	Metallised Polypropylene Film.
Starter	SERIES(4W-22W), SINGLE(4W-80W).
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional Components	Fused terminal block/Electronic ballast/Emergency packs.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SA 120 (AR)	1X18W	612	-	53	70	42	168
SA 220 (AR)	2X18W	612	-	53	133	42	188
SA 140 (AR)	1X36W	1221	-	53	70	42	168
SA 240 (AR)	2X36W	1221	-	53	133	42	188
SA 158 (AR)	1X58W	1522	-	53	70	42	168
SA 258 (AR)	2X58W	1522	-	53	133	42	188



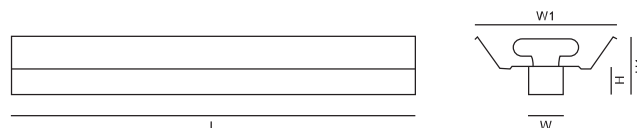
Note : Subject to +/- 1.5mm

*SJ Lite reserves the right to change and amend the specification without prior notice.



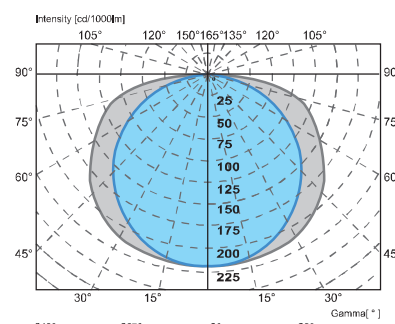
SR 140

Suitable for ceiling mounting or pendant mounting with suspension system. Symmetrical metal reflector for directional light distribution. Reflector held securely by treaded nut, offering large screw area using hand for fast installation. Allow a wide and efficient direct distribution of light. Discrete appearance achieved with adjustable lampholder. End to end continuously mounting from preformed punch out type without additional drilling required. Ideal for direct wide distribution application.



TM5 Utilization Factors

Utilization factors			LOR=80.6% DLOR=79.8% ULOR=0.8%									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	N.A.	52	57	62	67	72	74	78	81	
	0.3		N.A.	45	51	55	62	66	70	74	78	
0.5	0.1	0.2	N.A.	40	46	51	57	62	66	71	75	
	0.5		N.A.	50	55	59	65	69	71	75	77	
	0.3		N.A.	44	50	54	60	64	67	72	74	
0.3	0.1	0.2	N.A.	40	45	50	56	61	64	69	72	
	0.5		N.A.	48	53	57	62	66	68	72	74	
	0.3		N.A.	43	49	53	58	62	65	69	72	
0.0	0.1	0.0	N.A.	39	45	49	55	59	62	67	70	
	0.0		N.A.	37	42	46	52	56	59	63	66	
			SHR NOM =1.75 SHR MAX =1.79 SHR MAX TR =2.14									



Photometry result or data are available for interior lux calculation upon request. Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Technical Data

Body	Made of cold rolled sheet.
Reflector	Metal Reflector.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent TLD lamp of 18W, 36W and 58W.
Electrical Data	240V, 50Hz, Power factor 0.9.
Wire	HR 105° C.
Ballast	Polyester Vacuum Impregnated.
Condenser	Metallised Polypropylene Film.
Starter	SERIES(4W-22W), SINGLE(4W-80W).
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional Components	Fused terminal block/Electronic ballast/Emergency packs.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SR 120	1X18W	612	-	53	168	42	87
SR 220	2X18W	612	-	53	216	42	87
SR 140	1X36W	1221	-	53	168	42	87
SR 240	2X36W	1221	-	53	216	42	87
SR 158	1X58W	1522	-	53	168	42	87
SR 258	2X58W	1522	-	53	216	42	87



Note : Subject to +/- 1.5mm

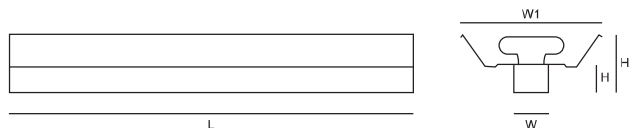
*SJ Lite reserves the right to change and amend the specification without prior notice.





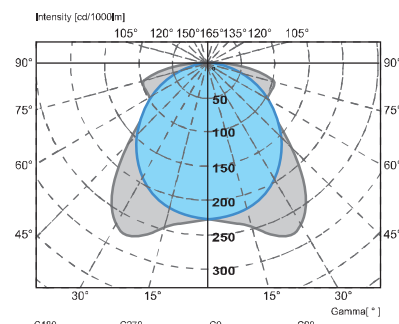
SR 140 AR

Suitable for ceiling mounting or pendant mounting with suspension system. Symmetrical mirror reflector for directional light distribution. Reflector held securely by treaded nut, offering large screw area using hand for fast installation. Allow a wide and efficient direct distribution of light. Discrete appearance achieved with adjustable lampholder. End to end continuously mounting from preformed punch out type without additional drilling required. Ideal for direct wide distribution application.



TM5 Utilization Factors

Utilization factors			LOR=80.1% DLOR=79.3% ULOR=0.9%									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	N.A.	56	61	64	70	73	76	79	82	
	0.3		N.A.	50	55	59	65	69	72	76	79	
	0.1		N.A.	45	51	55	61	65	68	73	76	
0.5	0.5	0.2	N.A.	54	59	62	67	70	73	76	78	
	0.3		N.A.	49	54	58	63	67	69	73	76	
	0.1		N.A.	45	50	54	59	63	66	71	73	
0.3	0.5	0.2	N.A.	52	57	60	65	68	70	73	75	
	0.3		N.A.	48	52	56	61	65	67	71	73	
	0.1		N.A.	44	49	53	58	62	65	68	71	
0.0	0.0	0.0	N.A.	42	47	50	55	59	61	65	67	
			SHR NOM =1.75 SHR MAX =1.82 SHR MAX TR =1.99									



Photometry result or data are available for interior lux calculation upon request. Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Technical Data

Body	Made of heavy gauge sheet steel.
Reflector	Aluminium Reflector.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent TLD lamp of 18W, 36W and 58W.
Electrical Data	240V, 50Hz, Power factor 0.9.
Wire	HR 105° C.
Ballast	Polyester Vacuum Impregnated.
Condenser	Metallised Polypropylene Film.
Starter	SERIES(4W-22W), SINGLE(4W-80W).
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional Components	Fused terminal block/Electronic ballast/Emergency packs.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SR 120 (AR)	1X18W	612	-	53	168	42	87
SR 220 (AR)	2X18W	612	-	53	216	42	87
SR 140 (AR)	1X36W	1221	-	53	168	42	87
SR 240 (AR)	2X36W	1221	-	53	216	42	87
SR 158 (AR)	1X58W	1522	-	53	168	42	87
SR 258 (AR)	2X58W	1522	-	53	216	42	87



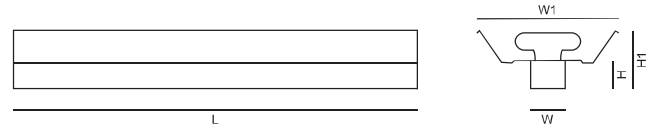
Note : Subject to +/- 1.5mm

*SJ Lite reserves the right to change and amend the specification without prior notice.



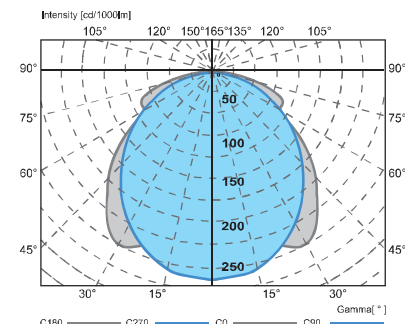
SBY 128

Suitable for ceiling mounting or pendant mounting with suspension system. Symmetrical metal reflector for directional light distribution. Reflector held securely by treaded nut, offering large screw area using hand for fast installation. Allow a wide and efficient direct distribution of light. Discrete appearance achieved with adjustable lampholder. End to end continuously mounting from preformed punch out type without additional drilling required. Ideal for direct wide distribution application.



TM5 Utilization Factors

Utilization factors			LOR=79.0% DLOR=79.0% ULOR=0.0%									
Room reflection			Room index									
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	47	54	60	64	69	73	76	79	82	
	0.3		41	48	54	58	64	69	72	76	79	
	0.1		37	43	49	54	60	65	68	73	76	
0.5	0.5	0.2	46	52	58	61	67	70	73	76	78	
	0.3		40	47	53	57	63	67	69	73	76	
	0.1		37	43	49	53	59	63	67	71	74	
0.3	0.5	0.2	45	51	56	59	64	68	70	73	75	
	0.3		40	46	52	55	61	65	67	71	73	
	0.1		36	42	48	52	58	62	65	69	72	
0.0	0.0	0.0	35	40	46	50	55	59	62	65	68	
			SHR NOM =1.50 SHR MAX =1.68 SHR MAX TR =1.92									



Technical Data

Photometry constructed by own Goniophotometer accurately measure the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Reflector	Aluminium reflector.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent T5 14W & 28W.
Electrical Data	240V, 50Hz, Power factor 0.95.
Wire	HR 105° C.
Ballast	Electronic ballast.
Lampholder/ Starterholder	Moulded from Polycarbonate Material.

Dimensions

MODEL NO.	NO. OF LAMP	L(MM)	L1(MM)	W(MM)	W1(MM)	H(MM)	H1(MM)
SBY 114	1X14W	616	-	54	170	44	81
SBY 214	2X14W	616	-	54	220	44	89
SBY 128	1X28W	1225	-	54	170	44	81
SBY 228	2X28W	1225	-	54	220	44	89
SBY 328	3X28W	1220	-	54	220	44	89
SBY 135	1X35W	1525	-	54	170	44	81
SBY 235	2X35W	1525	-	54	220	44	89



Note : Subject to +/- 1.5mm

*SJ Lite reserves the right to change and amend the specification without prior notice.

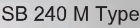
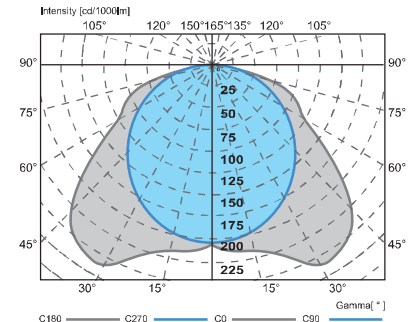


Figure 1: Schematic diagram of the experimental setup. The diagram shows a long rectangular specimen with length L and width W . A cross-section view on the right shows a specimen with width W , height H_1 , and a central notch of width W_1 and depth H_1 .

Utilization factors			LOR =77.5%			DLOR =77.5%			ULOR =0.0%		
Room reflection			Room index								
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5
0.7	0.5	0.2	N.A.	55	59	63	69	72	75	78	80
	0.3		N.A.	49	51	58	64	68	71	75	77
	0.1		N.A.	45	49	54	60	64	68	72	75
0.5	0.5	0.2	N.A.	53	57	61	66	69	72	75	77
	0.3		N.A.	48	53	56	62	66	69	72	75
	0.1		N.A.	45	49	53	59	63	66	70	73
0.3	0.5	0.2	N.A.	52	56	59	64	67	69	72	74
	0.3		N.A.	48	52	55	61	64	67	70	72
	0.1		N.A.	44	48	52	58	62	64	68	70
0.0	0.0	0.0	N.A.	42	46	50	55	59	61	65	67
			SHR NOM =2.00			SHR MAX =2.06			SHR MAX		
			TR =2.40								



Photometry result or data are available for interior lux calculation upon requisition. the intensity distribution LOR, photometric factors and lumen per watt of light fittings.

Body	Made of heavy gauge sheet steel.
Reflector	Aluminum Reflector.
Paintwork	Fully coated with a high gloss white epoxy polyester powder, giving resilient finish.
Light Source	Fluorescent TLD lamp of 36W.
Electrical Data	240V, 50Hz, Power factor 0.9.
Wire	HR 105° C.
Ballast	Polyester Vacuum Impregnated.
Condenser	Metallised Polypropylene Film.
Starter	SERIES(4W-22W), SINGLE(4W-80W).
Lampholder/ Starterholder	Moulded from Polycarbonate Material.
Optional/ Components	Fused terminal block/Electronic ballast/Emergency packs.

[illegible]

*SJ Lite reserves the right to change and amend the specification without prior notice.

