



Your partner in lighting technology

**LED Solutions**  
Energy Saving and Innovative Design



# LIGHTING CATALOGUE







Your partner in lighting technology

# Company Introduction



Sirijaya was founded in 1983 under the name of Syarikat Serijaya and subsequently we had incorporated the company as a private limited company in Malaysia under the name of Sirijaya Industries Sdn. Bhd. on 14 June 1986.

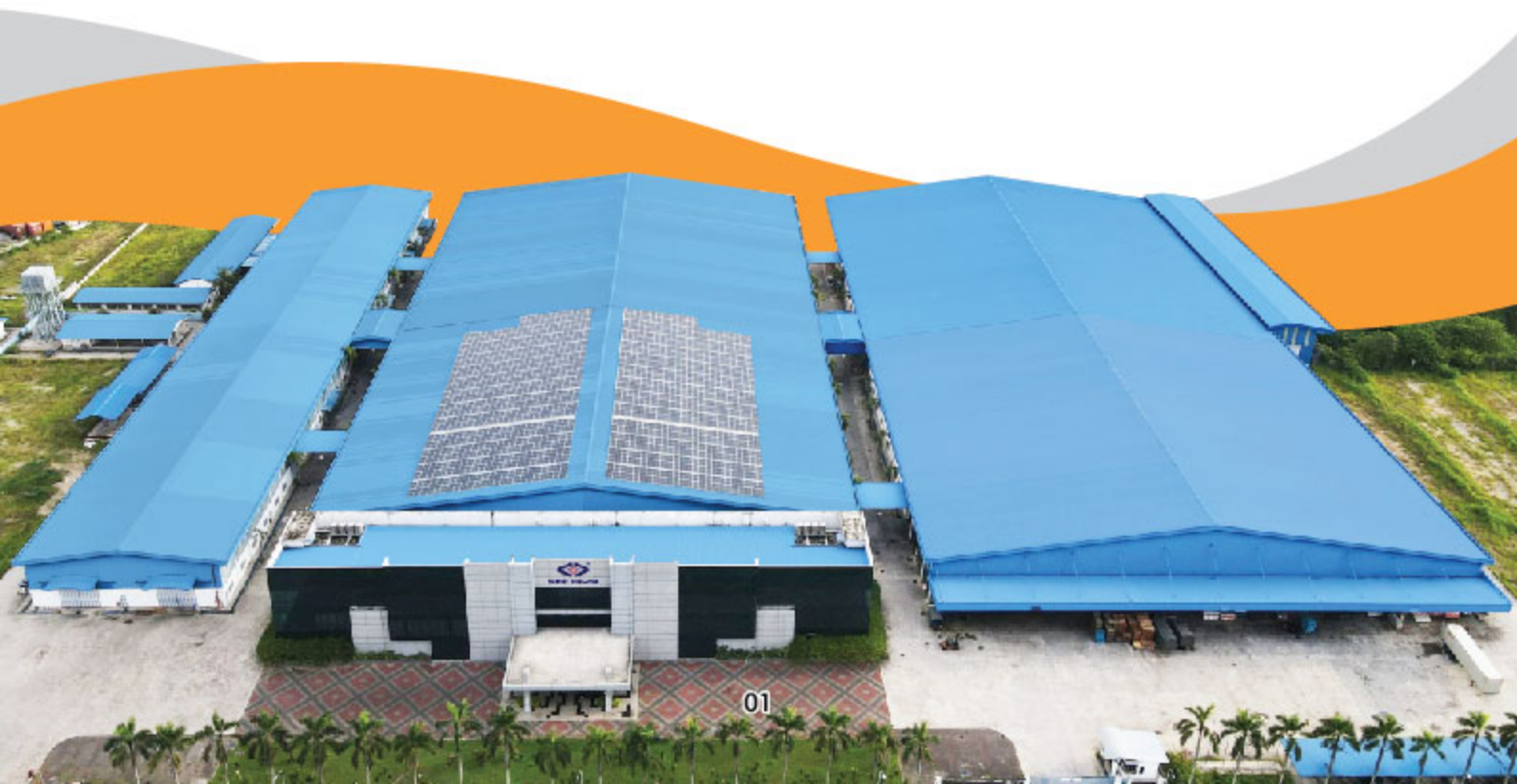
Mr. Liew Kok Weng, Group Managing Director / Group CEO is the founder of the company and he has been elected as a Chairman of the group at the later stage.

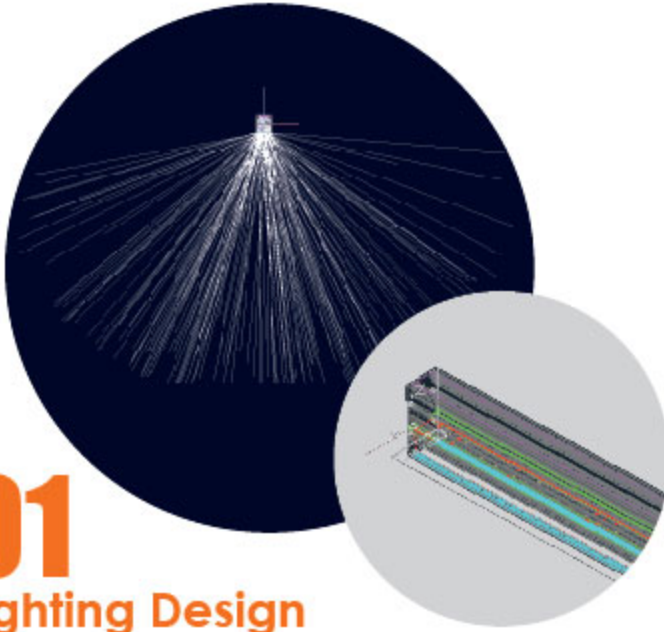
We were initially involved in manufacture of starter holders, lamp holders, miniature lighting parts and components supplying to the various luminaire manufacturers in the domestic markets as well as overseas/Middle East countries. A sub-assembly of lawnmowers and toolboxes were aligned in operation to sustain our small scale business during the inception.

We envisaged the growth of construction industries in the country will be steadily expanding with billions of dollars buildings be built in various locations thus seeing substantial opportunities on light fittings needed to be installed not only in

architecture buildings but also commercial building particular for offices, schools, universities, hypermarkets, hotels, hospitals and etc. In review of these growing opportunities, we expanded our business portfolios from lighting parts and components to manufacture of fluorescent light fittings systems in 1991 and named our brand as SJ LITE.

Our first major project was awarded and it has been successfully installed and commissioned at the Malaysia Sultan Abdul Aziz Shah Airport, Subang terminal 2. Carry with the triumph of this prestige installation, we have subsequently with prides continue supplies SJ LITE's fittings to the entire Nation and exporting more than 25 countries in various continents.





## 01 Lighting Design

Computerization is naturally the answer! With the 3D graphic designed computer, a photo simulation can be manipulated and the installation image reproduced in real time thus shortens the process for various certifications for quick implementation of quality fittings.



## 02 Prototype

To ensure the highest quality and functionality of SJLite brand products and their attractive appearance, the laser cutting machine with highest precision, flexibility and best cutting quality.



## 03 Goniophotometer

We continue strive for excellence in the inception of venture into luminaires. Innovation has always been entrenched in our culture – from Bottom management to Top management! We invest significantly not only in research but in its laboratory as well, which features outstanding lab equipment and performance levels to match all criteria. The acquired on state-of-the-art German made LMT Goniophotometer is an essence to Sirijaya for various products precision measurements. Flagship-keynote to emphasize the Goniophotometer was acquired in year 2000, and it was the very first one for the luminaire industries in Malaysia.



## 04 Quality Control

Our products are manufactured in compliance with various safety standards emphasizing stringent tests which been carried out prior to shipment. It is an important recognition of our quality processes which allows our valuable customers to stand up with absolutely confident in the faithful engagements and in the continuity of partnering our business relationships – long terms.

# Lighting Controls basicDIM Wireless

Your technology partner for lighting solutions

Our LED lighting solutions offer customised lighting control from individual components to large lighting systems.

Easy to use and versatile, they enable intelligent and sustainable lighting.

Our focus is on user-friendly, easy-to-integrate solutions.

See our innovative LED technology for yourself

## Easy to work with



01

### Hardware

LED drivers + modules



02

### Software

Lighting controls



03

### Solutions

Customer oriented solutions



**ENHANCEMENT**  
of lighting experience  
& performance



**SUSTAINABILITY**  
of environmental  
protection

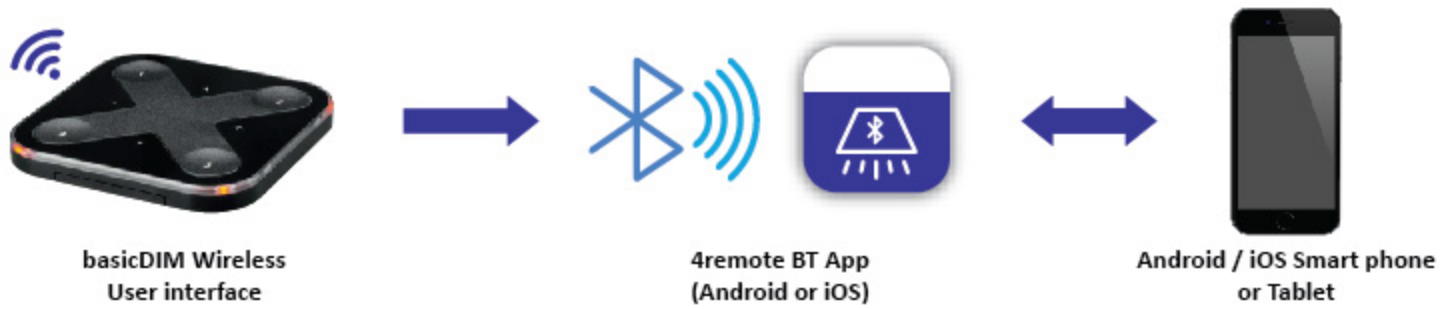


**FUTURE-PROOF**  
of product & system  
upgrading



**DIGITALISATION**  
for better control to  
user & maintenance

# What is basicDIM Wireless?



## Product of basicDIM Wireless

### Bluetooth low-energy (BLE) Mesh Network

BLE signal with low energy consumption ensure the stability of the wireless connection among lightings and devices.

### On-premise system

Without use of cloud & additional gateway, assurance of control efficiency by design and void out from risk of single point failure.

### Wide efficiency or coverage range

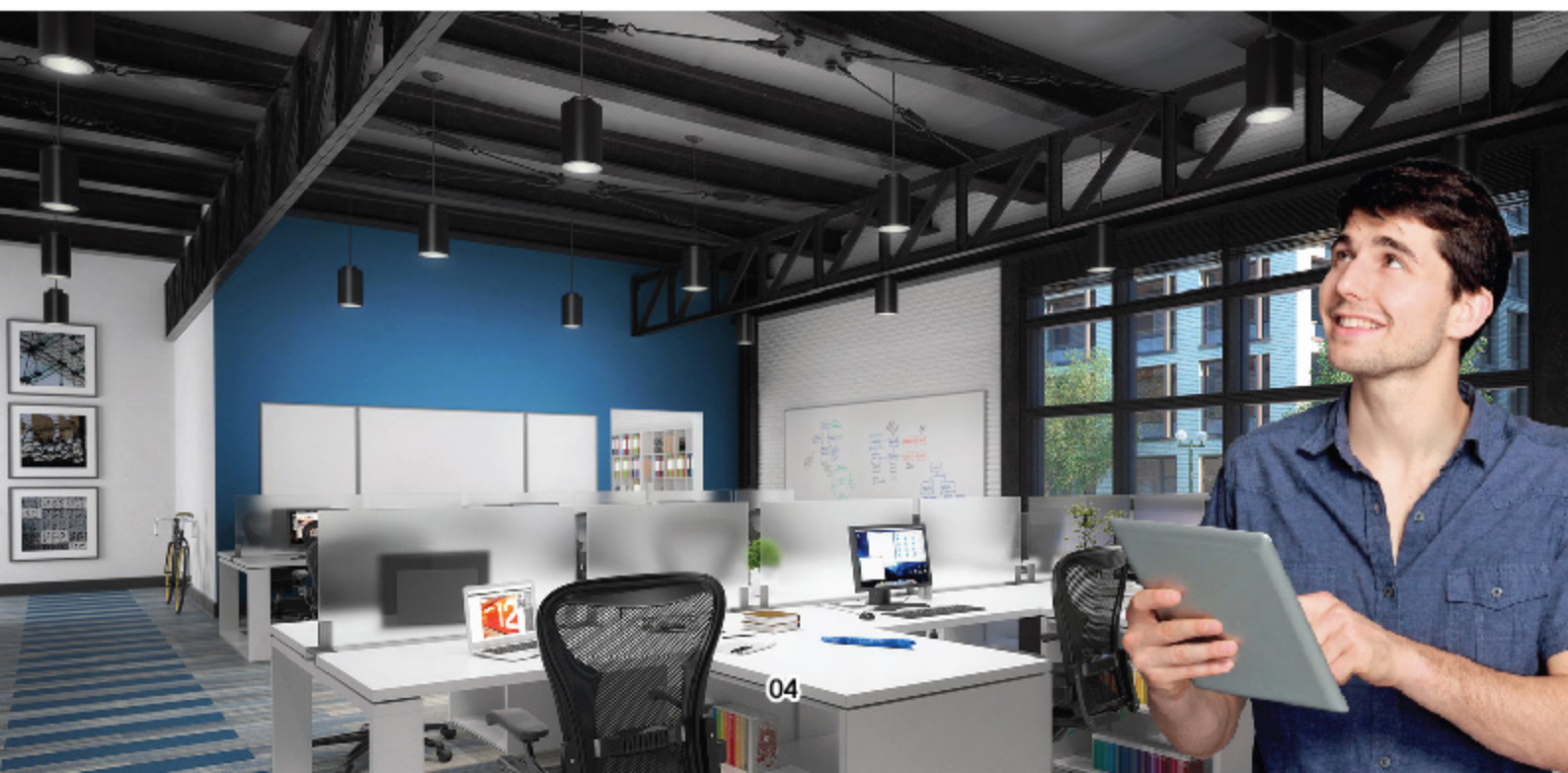
BasicDIM wireless OTD with 150m BLE efficient range enhance wireless coverage range without weaken signal strength.

### High security

The wireless network is protected by authentication password to access.

### User-friendliness

4remoteBT app for Apple or Android phone/tablet is highly user-friendly, for both user-control & system commissioning.



# basicDIM Wireless? Mesh Network

- Luminaires
- Sensors
- bDw relays

Up to 250 nodes

- ❌ Single Point Failure
- ❌ Internet Access
- ✅ Use of broadcast flooding
- ✅ 100% Interoperable
- ✅ Firmware update over the air



## 4remote BT App

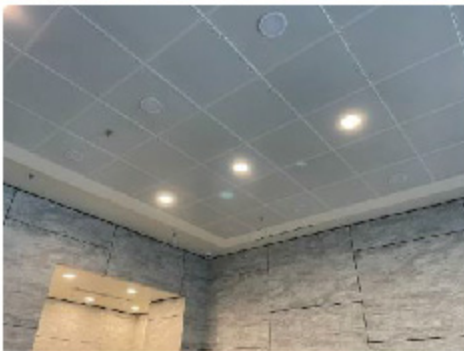
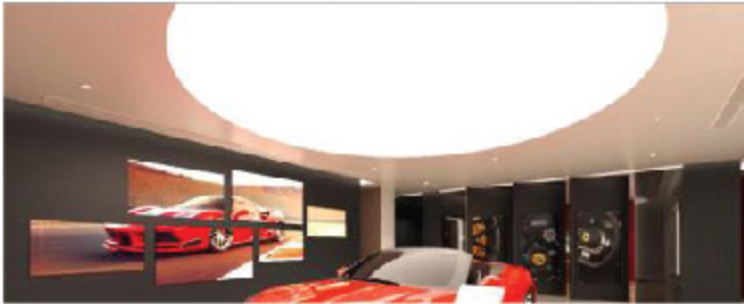
All the control smarts are saved inside the basicDIM Wireless units:

- Groups, Scenes, Animations, Schedules
- Time keeping & Firmware

If a network is shared, this network will get accessible via the cloud



# Project References





Your partner in lighting technology

## Award & Recognition

Our customer as well as industrial specialists and business person have praised our Company's professionalism and solidity, evidenced in many prizes and awards which Sirijaya has been awarded.

2000 , 2002	Enterprise 50 Award
2003 , 2004 , 2005	Golden Bull Award , SMI Recognition Award
2006	Enterprise 50 Award
2008 , 2009	Golden Bull Award , SMI Recognition Award
2010	Golden Bull Award , SMI Recognition Award , Malaysia Brand 50 Award
2011 , 2012	Golden Bull Award , SMI Recognition Award
2013	Golden Eagle Award
2014 , 2015	Golden Eagle Award , SME Award
2016 , 2017	Golden Eagle Award , SME Award , Sin Chew Business Excellent Award
2018	Golden Eagle Award , SME Award
2019 , 2022 , 2023	Golden Eagle Award
2024	Golden Eagle Award , Top 8 Winner of Excellent Eagle
2025	Golden Eagle Award



**SONIC LED**  
STP T-i-Proof Series

**Features**  
New series of two-color semi-drip proof LED fitting. Two size and caps can be raised by hand for easy putting out of the joint box place. Flexible installation through sliding mounting bracket. The body is made of PC material and sealed by the latest thermal induction technology to ensure P stability.

**Applications**  
Ideal for parking lot, subway corridor, factory, tunnel, accessories, railway stations and industrial areas.

**Optics**  
Diffuse/Mixed | Indirect/Reverse  
Diffuse/Pattern | Frontal

**Optional Features / Accessories**  
Two-Color, Two-Way Dimming, Frontal, Multiple Sensors, Turbo Cell, Off-Smart Lighting Control

**Mounting**  
Surface Mounted | Suspended Mount

\* This sensor could be optional in a dusted area to minimize expense by direct sunlight and do not install in the high concentration of acidic or alkaline environment.

19

Product Series  
Feature  
Luminaire Photo

Application

Technical Data  
Distribution Curve

**Accessories**

PVC Cable Clamp, Screws, Lenses, Baffle Rings

**Lighting Data**

Beam Angle: 0°-180° | 90°-270° | 360° (No Lens)

Product Specification

Model	STP-A (1m)	STP-B (1m)	STP-C (1m)
Normal Power	18W	34W	42W
Normal System Lumen Output	1374 lm	4511 lm	5476 lm
Normal System Efficiency	110 lm/W	134 lm/W	131 lm/W
LED Driver	Triac/IC		
Light Source	Triac/IC/LED		
Colour Temperature	3000K/4000K/6500K		
ICCT			
Input Voltage	220-240V 50/60Hz		
Colour Rendering Index (CRI)	>90		
Luminaire Rated Life	50,000 hrs (L70B50)		
Operating Temperature	-20°C ~ +45°C		
Power Factor	>0.97		
Total Harmonic Distortion	≤20%		
Insulation Class	Class		
Housing Material	Polycarbonate		
Ingress Protection	IP55		
Impact Protection	IK08		
Weight	3.6kg	1.6kg	1.2kg

Model Reference

Order Reference

Order Information

Dimensional Drawing

**Order Reference**

Model	Number Of Models	Kind Of Components
STP	A (1 module) B (2 modules) C (1 module) D (4 modules)	4-PM/PS 3-Tab/IK 7-Oran

**Example:** STP-A-S-1-T2-1-AS

**Order Information**

Model	Color	No. Unit	Weight
STP-A(S)	GR	48	0.0
STP-B(S)	GR	48	0.0
STP-C(S)	GR	48	0.0

**Dimensions**

Term & Condition

## LED Tube



LED TUBE (HE)

pg 14



LED GLASS TUBE (HO)

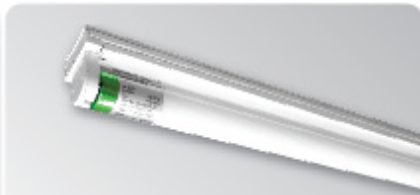
pg 15

## LED Batten Series



SB T8

pg 16-17



ECO SFB2

pg 18-19



SD T8

pg 20-21



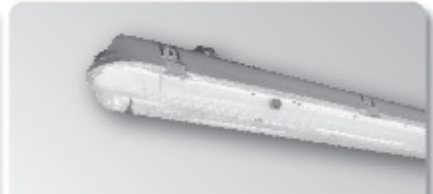
SWG T8

pg 22-23



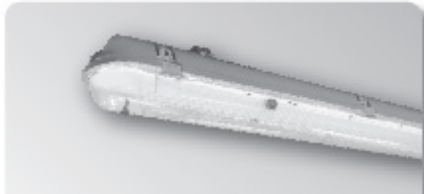
SDM T8

pg 24-25



SCR T8 Weather Proof

pg 26-27



SCR Weather Proof

pg 28-29



SFS

pg 30-31



SGB

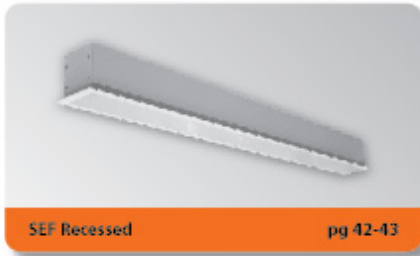
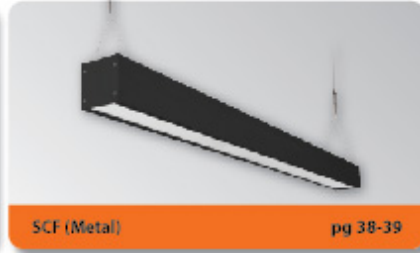
pg 32-33



STP Tri-Proof

pg 34-35

## LED Linear Series



## LED Downlight Series



## LED Spotlight Series




## LED Tracklight Series



## LED Panel Series



## LED Diffused Series

		
SAC Recessed (HD) pg 98-99	SAC Wood/Plaster (HD) pg 100-101	SAC Recessed (HD)(IP54) pg 102-103
		
SAC Surface(HD)(IP54) pg 104-105	SAC Wood/Plaster (HD)(IP54) pg 106-107	SLR pg 108-109
		
SDL pg 110-111	SGI / SFD pg 112-113	SGP / SFM pg 114-115

## LED Highbay Series

		
SL 422 pg 116-117	SLI pg 118-119	SL 423 pg 120-121
		
SL 407 pg 122-123	SL 418 pg 124-125	

## LED Lowbay Series



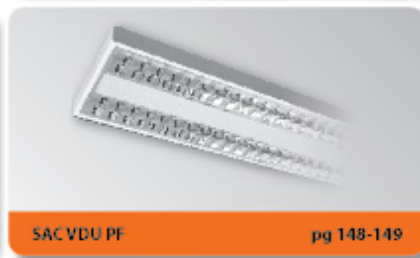
## LED Flood Light Series



## LED Street Light Series



## LED Louvre Series





# LED Tube (HE)

World Transformer of Energy Efficient and Cost Effective Solution

Approved by Suruhanjaya Tenaga (ST) & SIRIM



## Applications



## Features

- Up to 50% energy saving compared to fluorescents
- Long lifetime up to 50,000hrs
- High quality polycarbonate material
- Easy installation
- No mercury material or UV radiation
- Low power consumption of 14W for a 4 foot unit
- Lumen Maintenance Factor: L(70)
- Failure Fraction: F(50) 50,000Hrs
- Flickering value (PstLM): 1
- Stroboscopic effect value (SVM): 0.4
- Photobiological safety according to IEC62471: RG0

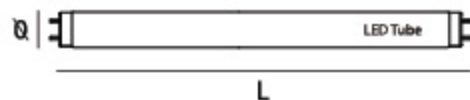
## Benefits

- Considerably lower energy cost
- Easy and flexible installation
- Environmental friendly
- Excellent high power, high output and efficacy of over 130 lm/W

## Warning Notice

- Do not replace conventional LFL directly with LED T8 tube.
- New Luminaire, LED T8 needs rewiring the fixture.
- LED T8 Tube only compatible with a magnetic ballast or direct connection to 200-240V, 50/60Hz mains supply.
- The lamp is not suitable to be used in emergency luminaires designed for double-capped fluorescent lamp(s).

## Dimensions



## Order Information

Model No.	Colour Temp. (CCT)	Lampholder	Input Voltage	B. Angle (°)	Power Factor (PF)	Power (W)	Lumen (lm)	Efficiency (lm/W)	Size (øxL) (mm)
RLASJLP821123	3000K	G13	200-240V 50/60Hz	160	>0.90	8	1100	138	26 x 588
RLASJLP821124	4000K								
RLASJLP821126	6500K								
RLASJLP842123	3000K					14	2100	150	26 x 1198
RLASJLP842124	4000K								
RLASJLP842126	6500K								
RLASJLP853423	3000K					23	3400	148	26 x 1500
RLASJLP853424	4000K								
RLASJLP853426	6500K								

\* Dimming not allowed, not for use with electronic ballast gear.

# LED Glass Tube (HO)

High Output and Energy Efficiency



## Applications



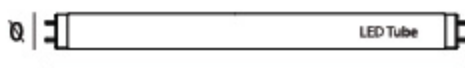
## Features

- Up to 50% energy saving compared with fluorescents
- Excellent light transmittance and uniform light distribution
- High quality GLASS tube with eco-friendly coating
- Long lifetime up to 50,000 hrs
- Easy installation
- No mercury material or UV radiation
- THD < 20

## Benefits

- Considerably lower energy cost
- Lowering maintenance cost
- Easy and flexible installation
- Environmental friendly

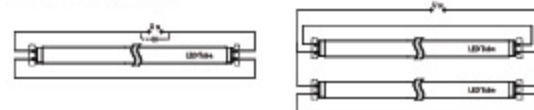
## Dimensions



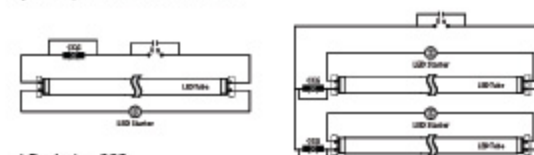
- ① Lamp to be used in dry conditions or in a luminaire that provides protection.
- ② Lamp suitable for 50 Hz or 60 Hz operation.
- ③ Lamp not suitable for emergency operation.
- ④ Dimming not allowed.
- ⑤ LED replacement starter.

## Wiring Diagram

a) Complete New Fixture



b) Used More Than 5 Years Fixture



c) Replacing CCG



## Retrofit Lamp Installation instructions:



## LED Glass Tube Lamp Installation instructions :

- (1) Switch off the power supply.
- (2) Turning the conventional lamp 90°.
- (3) Remove the conventional lamp.
- (4) Remove the conventional starter from the starter holder.
- (5) Insert the LED starter into the starter holder.
- (6) Insert the LED glass lamp into the lamp holder.
- (7) Secure it in position by turning the lamp 90°.
- (8) Switch on the power supply.(220-240V ~ 50/60Hz)

## Installation instructions:

- (1) Switch off electricity.
- (2) and (3) remove the conventional lamp and capacitor.
- (4) and (5) Retrofit refer to wiring method diagram b:
  - a) Bypass CCG & Replace the old starter with the LED tube starter.
- (6) Insert the LED lamp into the lamp holder.
- (7) Secure it in position by turning the lamp 90°.
- (8) Switch on electricity.

## Order Information

Model No.	Colour Temp. (CCT)	Type	Lampholder	Input Voltage	B. Angle (°)	Power Factor (PF)	Power (W)	Lumen (lm)	Efficiency (lm/W)	Size (ØxL) (mm)					
RLASELE122523	3000K	Core Level 3	G13	220-240V 50/60Hz	160	>0.90	8.5	1000	117	28 x 589					
RLASELE122524	4000K							1050	124						
RLASELE122526	6500K							2100	117						
RLASELE142123	3000K						Core Level 3	G13	220-240V 50/60Hz	160	>0.90	18	2100	117	28 x 1199
RLASELE142124	4000K														
RLASELE142126	6500K														

Note : Subject to +/- 1.5mm

\* Specification subject to change without prior notice.



IEC 60598-1  
IEC 60598-2-1  
PS008202



# SONIC LED

## SB T8 Bare Batten Series

### Features

LED T8 bare batten provides maximum light output and energy efficient solution. Ideal replacement for traditional fluorescent T8. Suitable for a wide range of general lighting applications.



### Applications

Ideal for indoor application, corridors, staircase, walkway, lift lobby and schools.

### Optional Features / Accessories

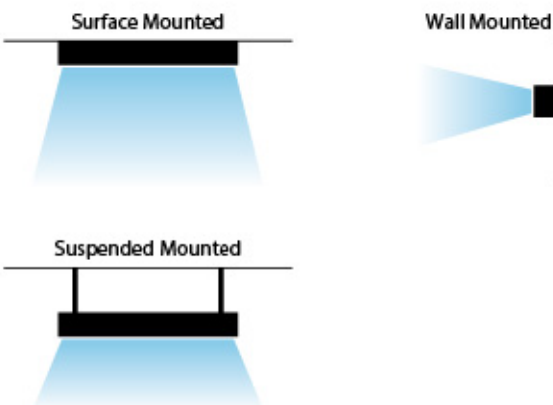
1-10V Dimming Control

### TM5 Utilization Factors

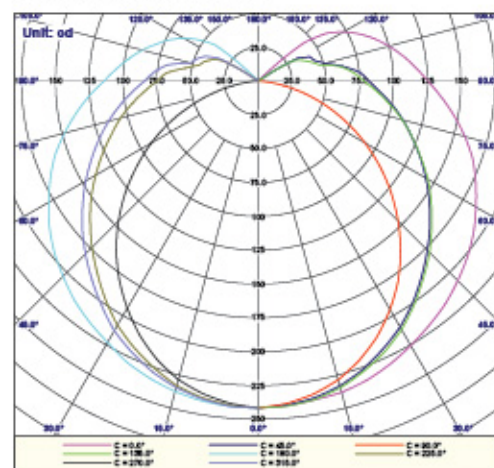
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.49	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93
0.70	0.30	0.20	0.41	0.48	0.56	0.61	0.69	0.74	0.79	0.84	0.88
0.70	0.10	0.20	0.35	0.42	0.50	0.55	0.63	0.69	0.73	0.80	0.84
0.50	0.50	0.20	0.46	0.53	0.59	0.64	0.70	0.75	0.78	0.83	0.86
0.50	0.30	0.20	0.39	0.46	0.52	0.57	0.64	0.69	0.73	0.78	0.82
0.50	0.10	0.20	0.34	0.40	0.47	0.52	0.59	0.65	0.69	0.74	0.78
0.30	0.50	0.20	0.43	0.49	0.55	0.59	0.65	0.69	0.72	0.76	0.79
0.30	0.30	0.20	0.37	0.43	0.49	0.54	0.60	0.65	0.68	0.73	0.76
0.30	0.10	0.20	0.32	0.38	0.45	0.49	0.56	0.61	0.64	0.70	0.73
0.00	0.00	0.00	0.29	0.34	0.40	0.44	0.50	0.54	0.57	0.62	0.65
Distribution Factors		Floor:	0.29	0.34	0.40	0.44	0.50	0.54	0.57	0.62	0.65
		Wall:	0.55	0.50	0.44	0.40	0.34	0.30	0.26	0.22	0.19
		Ceiling:	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
SZ Numbers:			6	6	6	6	6	6	6	6	6

SHR Nominal = 1.50:1 SHR Maximum = 1.50:1

### Mounting



### Lighting Data



Luminous intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024ED0303)



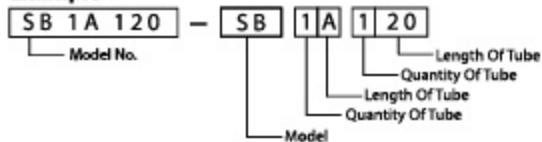
## Specifications

Model	SB 1A 120	SB 2A 220	SB 1C 140	SB 2C 240	SB 3C 340
Nominal Power	8W	16W	14W	28W	42W
Nominal System Lumen Output	1100 lm	2200 lm	2100 lm	4200 lm	6300 lm
Nominal System Efficacy	138 lm/W	138 lm/W	150 lm/W	150 lm/W	150 lm/W
Light Source	SJ Lite T8 LED Tube (HE)				
LED Tube Size	Ø26-588mm		Ø26-1198mm		
Colour Temperature (CCT)	3000K/4000K/6500K				
Input Voltage	240V~50Hz				
Colour Rendering Index (CRI)	>80				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-20°C ~ +45°C				
Power Factor	0.9PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class I				
Housing Material	Cold Roll Steel				
Ingress Protection	IP20				

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SB	1	A (2ft)
	2	C (4ft)
	3	D (5ft)
	4	

### Example :



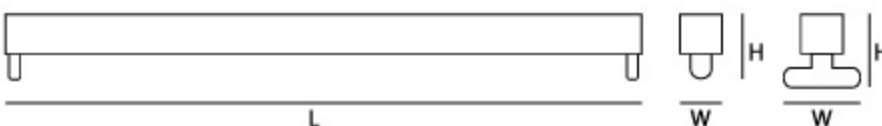
## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SB 1A 120	1	612	54	87
SB 2A 220	2	612	100	87
SB 1C 140	1	1221	54	87
SB 2C 240	2	1221	100	87
SB 3C 340	3	1221	129	87

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-1  
IEC 60598-2-1  
PS008202



# SONIC LED

## ECO SFB2 Bare Batten Series

### Features

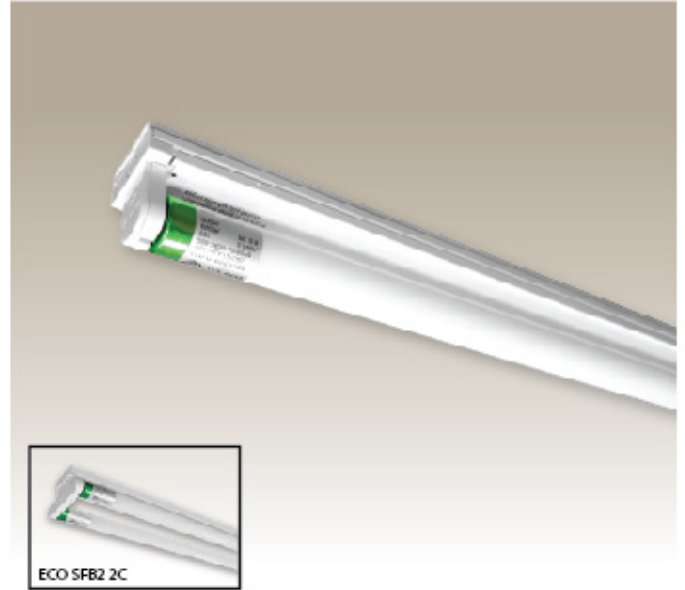
Ultra slim base width with integrated LED Tube. Offering easy of installation and quality of light

### Applications

Ideal for indoor general lighting, corridors, staircase, walkway, lift lobby and schools.

### Optional Features / Accessories

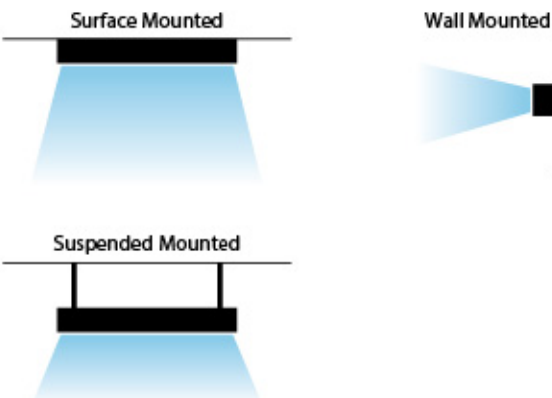
1-10V Dimming Control



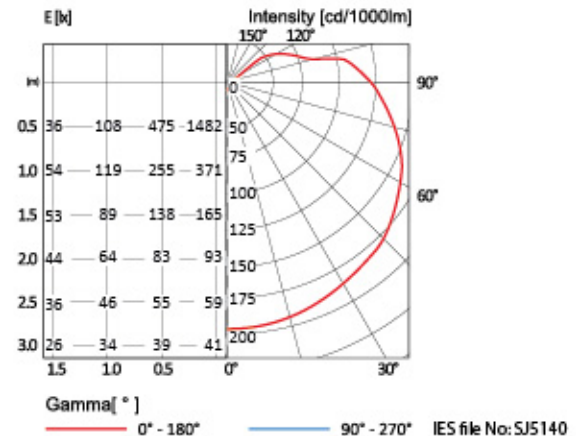
### TM5 Utilization Factors

Utilization factors			Room Index											
Room reflection			LOR=101.1%			DLOR=81.5%			ULOR=19.6%					
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5			
0.7	0.5	0.2	N.A.	57	64	69	76	81	84	89	93			
	0.3		N.A.	49	55	61	68	74	78	84	88			
	0.1		N.A.	42	49	54	62	68	72	79	83			
0.5	0.5	0.2	N.A.	53	58	63	69	74	77	82	85			
	0.3		N.A.	46	52	56	63	68	72	77	81			
	0.1		N.A.	40	46	51	58	63	67	73	77			
0.3	0.5	0.2	N.A.	49	54	58	64	67	70	74	77			
	0.3		N.A.	43	48	52	59	63	66	71	74			
	0.1		N.A.	38	44	48	54	59	63	68	71			
0.0	0.0	0.0	N.A.	34	38	42	48	52	55	59	62			
			SHR NOM=1.75			SHR MAX=1.77			SHR MAX					
						TR=2.25								

### Mounting



### Lighting Data



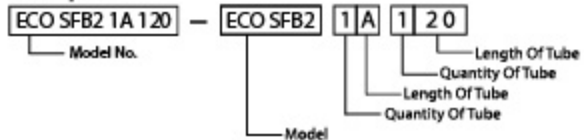
## Specifications

Model	ECO SFB2 1A 120	ECO SFB2 2A 220	ECO SFB2 1C 140	ECO SFB2 2C 240
Nominal Power	8.5W	17W	18W	36W
Nominal System Lumen Output	1050 lm	2100 lm	2100 lm	4200 lm
Nominal System Efficacy	124 lm/W	124 lm/W	117 lm/W	117 lm/W
Light Source	SJ Lite T8 LED Glass Tube (HO)			
LED Tube Size	Ø28-589mm		Ø28-1199mm	
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	220-240V~50/60Hz			
Colour Rendering Index (CRI)	80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
ECO SFB2	1	A (2ft)
	2	C (4ft)
	3	D (5ft)
	4	

### Example :



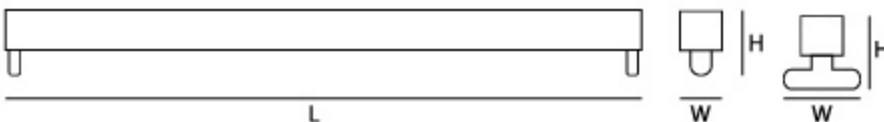
## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
ECO SFB2 1A 120	1	614	51	61
ECO SFB2 2A 220	2	614	100	66
ECO SFB2 1C 140	1	1223	51	61
ECO SFB2 2C 240	2	1223	100	66

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-1  
IEC 60598-2-1  
PS008202

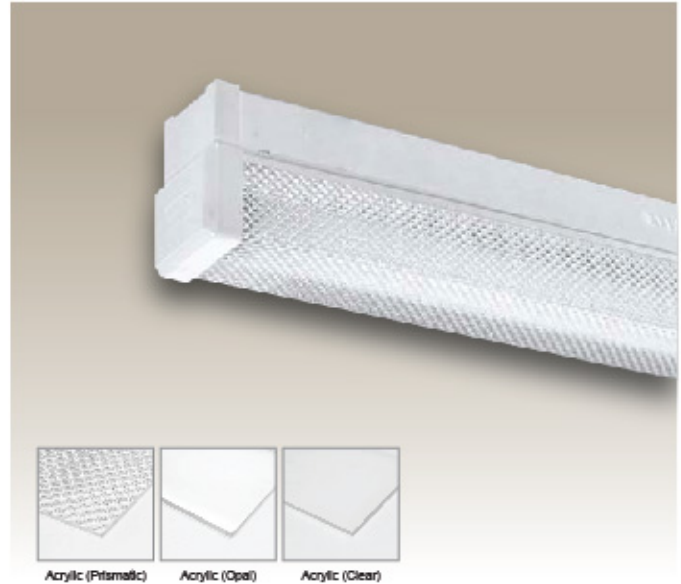


# SONIC LED

## SD T8 Daikon Diffused Batten Series

### Features

Daikon diffused batten provides visual comfort by reducing direct glare from the light source. Features with plastic snap-on endcap design for simple installation. Various type of diffuser for good upward light distribution and greater aesthetic appeal.



### Applications

Ideal for indoor application, corridors, staircase, walkway, lift lobby and retail shop.

### Optional Features / Accessories

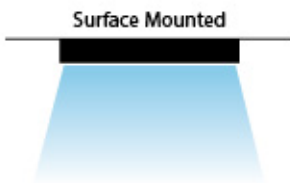
1-10V Dimming Control

### TM5 Utilisation Factor Table

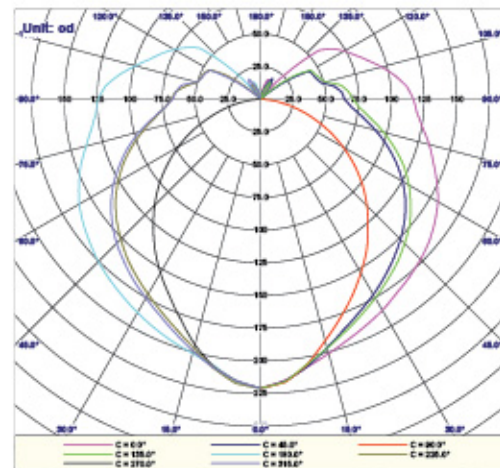
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.48	0.68	0.83	0.88	0.76	0.80	0.83	0.88	0.92
0.70	0.30	0.20	0.40	0.47	0.55	0.60	0.68	0.73	0.77	0.83	0.87
0.70	0.10	0.20	0.34	0.41	0.48	0.54	0.62	0.67	0.72	0.78	0.83
0.60	0.60	0.20	0.44	0.61	0.67	0.82	0.88	0.73	0.78	0.80	0.83
0.60	0.30	0.20	0.37	0.44	0.51	0.56	0.62	0.67	0.71	0.76	0.80
0.60	0.10	0.20	0.32	0.39	0.46	0.50	0.57	0.63	0.67	0.72	0.76
0.50	0.60	0.20	0.41	0.47	0.53	0.57	0.62	0.68	0.69	0.73	0.78
0.50	0.30	0.20	0.36	0.41	0.47	0.51	0.57	0.62	0.66	0.70	0.73
0.50	0.10	0.20	0.31	0.36	0.43	0.47	0.53	0.58	0.62	0.67	0.70
0.00	0.00	0.00	0.27	0.31	0.37	0.41	0.48	0.50	0.54	0.58	0.61
Distribution Factors		Floor:	0.27	0.31	0.37	0.41	0.48	0.50	0.54	0.58	0.61
		Wall:	0.62	0.47	0.42	0.38	0.32	0.28	0.26	0.21	0.18
		Ceiling:	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
BZ Numbers:			6	6	6	6	6	6	6	6	6

SHR Nominal = 1.60:1    SHR Maximum = 1.66:1

### Mounting



### Lighting Data



Lumens Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024EB0321)



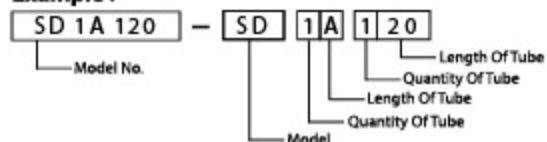
## Specifications

Model	SD 1A 120	SD 2A 220	SD 1C 140	SD 2C 240
Nominal Power	8W	16W	14W	28W
Nominal System Lumen Output	987 lm	1727 lm	1924 lm	3819 lm
Nominal System Efficacy	121 lm/W	107 lm/W	140 lm/W	136 lm/W
Light Source	SJ Lite T8 LED Tube (HE)			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SD	1	A (2ft)
	2	C (4ft)

### Example :



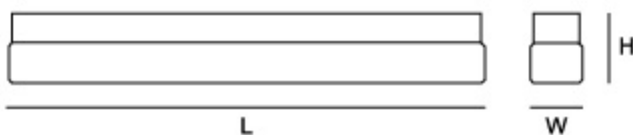
## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SD 1A 120	1	630	66	92
SD 2A 240	2	635	120	102
SD 1C 140	1	1238	66	92
SD 2C 240	2	1244	120	102

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-1  
IEC 60598-2-1  
PS008202



# SONIC LED

## SWG T8 Vandal Proof Batten Series

### Features

Specially fabricated to incorporate a built-in camlock or padlock. Prevention against pilferage or any acts of vandalism. The wire guard is hinged on one side of the casing of easy maintenance and installation. Discrete appearance achieved with adjustable lampholder. Cover plate held securely by treaded nut, offering large screw area using hand for fast installation.

### Applications

Ideal for car parks, staircase, loading bays, corridors and lift lobbies.

### Optional Features / Accessories

1-10V Dimming Control

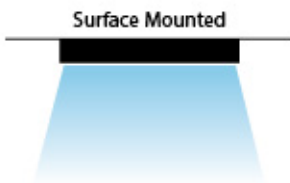


### TM5 Utilisation Factor Table

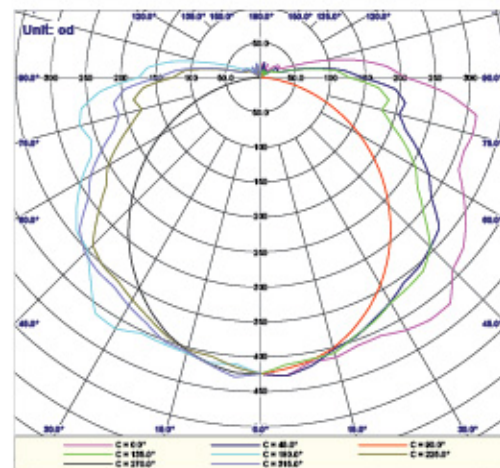
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.49	0.67	0.84	0.89	0.77	0.82	0.86	0.91	0.94
0.70	0.30	0.20	0.41	0.49	0.68	0.81	0.89	0.76	0.79	0.86	0.89
0.70	0.10	0.20	0.36	0.42	0.60	0.66	0.83	0.89	0.74	0.80	0.86
0.60	0.60	0.20	0.47	0.64	0.80	0.86	0.72	0.78	0.80	0.84	0.88
0.60	0.30	0.20	0.39	0.48	0.63	0.68	0.86	0.71	0.74	0.80	0.84
0.60	0.10	0.20	0.34	0.41	0.48	0.63	0.80	0.88	0.70	0.78	0.80
0.30	0.60	0.20	0.44	0.61	0.67	0.81	0.87	0.71	0.74	0.79	0.82
0.30	0.30	0.20	0.38	0.44	0.61	0.66	0.82	0.87	0.70	0.76	0.78
0.30	0.10	0.20	0.33	0.39	0.48	0.61	0.67	0.82	0.88	0.72	0.78
0.00	0.00	0.00	0.30	0.36	0.42	0.48	0.62	0.67	0.80	0.86	0.88
Distribution Factors		Floor:	0.30	0.36	0.42	0.48	0.62	0.67	0.80	0.86	0.88
		Wall:	0.69	0.63	0.47	0.43	0.37	0.32	0.29	0.24	0.20
		Ceiling:	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
BZ Numbers:			6	6	6	6	6	6	6	6	6

SHR Nominal = 1.60:1    SHR Maximum = 1.84:1

### Mounting



### Lighting Data



Luminaire Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024EB0330)



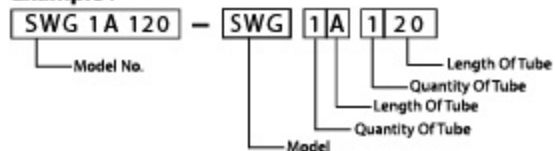
## Specifications

Model	SWG 1A 120	SWG 2A 220	SWG 1C 140	SWG 2C 240
Nominal Power	8W	16W	14W	28W
Nominal System Lumen Output	939 lm	1587 lm	1880 lm	3678 lm
Nominal System Efficacy	115 lm/W	100 lm/W	133 lm/W	129 lm/W
Light Source	SJ Lite T8 LED Tube (HE)			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SWG	1	A (2ft)
	2	C (4ft)

### Example :



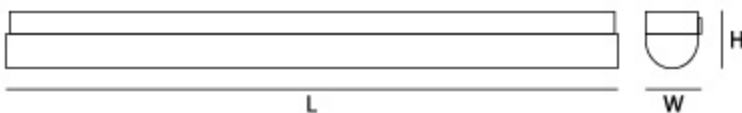
## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SWG 1A 120	1	629	81	109
SWG 2A 220	2	629	105	115
SWG 1C 140	1	1233	81	109
SWG 2C 240	2	1233	105	115

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-1  
IEC 60598-2-1  
PS008202



# SONIC LED

## Surface Mounted Sym Radius Series

### Features

Designed for direct surface mounted, single parabolic with mirror optic louvre and christmas cross blades. An attractive appearances is enhanced with its rounded edge body surround.

### Applications

Ideal for use in modern interiors such as hotels, schools, government building, shopping complexes, offices, hospitals, and etc.

### Optional Features / Accessories

1-10V Dimming Control

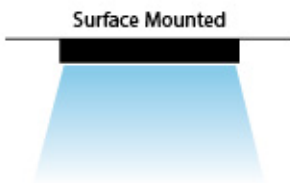


### TM5 Utilisation Factor Table

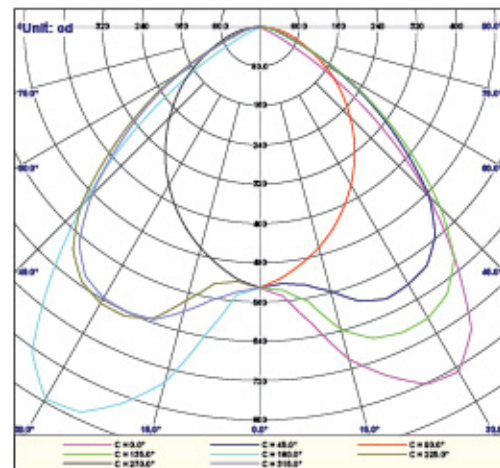
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.69	0.70	0.78	0.83	0.90	0.95	0.98	1.02	1.05
0.70	0.30	0.20	0.62	0.63	0.71	0.77	0.85	0.90	0.94	0.99	1.02
0.70	0.10	0.20	0.48	0.68	0.88	0.72	0.80	0.88	0.90	0.98	0.99
0.60	0.60	0.20	0.68	0.88	0.75	0.80	0.87	0.92	0.95	0.98	1.01
0.60	0.30	0.20	0.61	0.82	0.89	0.75	0.83	0.87	0.91	0.95	0.98
0.60	0.10	0.20	0.48	0.67	0.85	0.71	0.79	0.84	0.88	0.93	0.96
0.30	0.60	0.20	0.68	0.88	0.73	0.78	0.84	0.88	0.91	0.95	0.97
0.30	0.30	0.20	0.60	0.81	0.88	0.73	0.80	0.85	0.88	0.92	0.95
0.30	0.10	0.20	0.48	0.68	0.84	0.70	0.77	0.82	0.88	0.90	0.93
0.00	0.00	0.00	0.43	0.64	0.81	0.87	0.74	0.78	0.82	0.88	0.88
Distribution Factors		Floor:	0.43	0.64	0.81	0.87	0.74	0.78	0.82	0.88	0.88
		Wall:	0.68	0.48	0.38	0.33	0.28	0.21	0.18	0.14	0.11
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			4	4	4	4	3	3	3	3	3

SHR Nominal = 0.76:1 SHR Maximum = 0.87:1

### Mounting



### Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024EB0272)



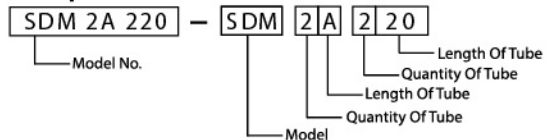
## Specifications

Model	SDM 2A 220 (1X2)	SDM 1C 140 (1X4)	SDM 2C 240 (1X4)
Nominal Power	16W	14W	28W
Nominal System Lumen Output	1730 lm	1585 lm	3312 lm
Nominal System Efficacy	108 lm/W	115 lm/W	120 lm/W
Light Source	SJ Lite T8 LED Tube (HE)		
Colour Temperature (CCT)	3000K/4000K/6500K		
Input Voltage	240V~50Hz		
Colour Rendering Index (CRI)	>80		
Luminaire Rated Life	50,000hrs (L70B50)		
Operating Temperature	-20°C ~ +45°C		
Power Factor	>0.9PF		
Total Harmonic Distortion	≤20%		
Insulation Class	Class I		
Housing Material	Cold Roll Steel		
Ingress Protection	IP20		

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SDM	1	A (2ft)
	2	C (4ft)

### Example :



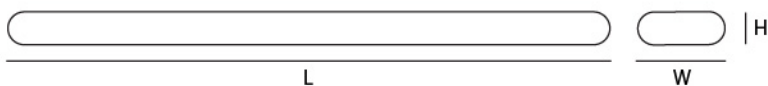
## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SDM 2A 220 (1X2)	2	680	295	65
SDM 1C 140 (1X4)	1	1293	190	65
SDM 2C 240 (1X4)	2	1293	295	65

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-1  
IEC 60598-2-1  
PS008202



# SONIC LED

## SCR T8 Weatherproof Series

### Features

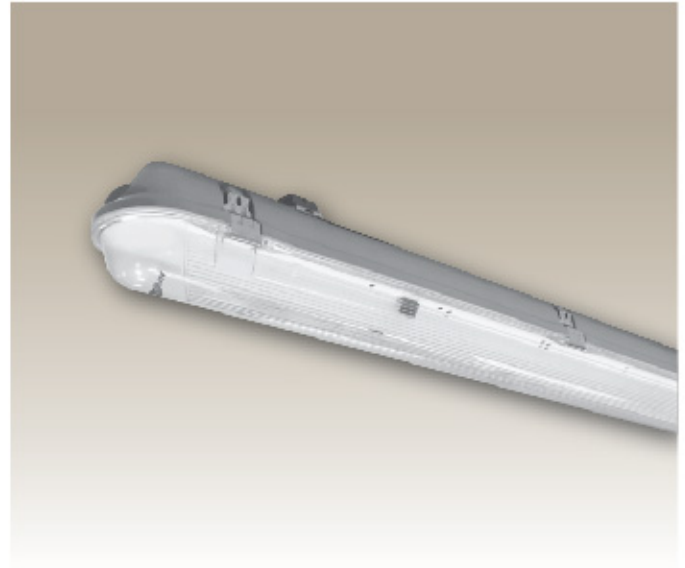
IP 65 weatherproof light fitting is a durable, robust polycarbonate base and diffuser. Gear tray retaining strap for easy installation and maintenance. Knockout and IP gland supplied for connections and through wiring. Use only the fixing brackets supplied, screws should not be used directly through the base.

### Applications

Ideal for car parks, loading bays, corridors, warehouses, workshops and laboratories.

### Optional Features / Accessories

1-10V Dimming Control

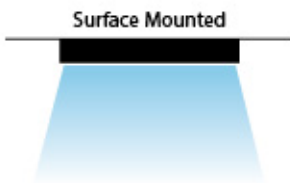


### TM5 Utilisation Factor Table

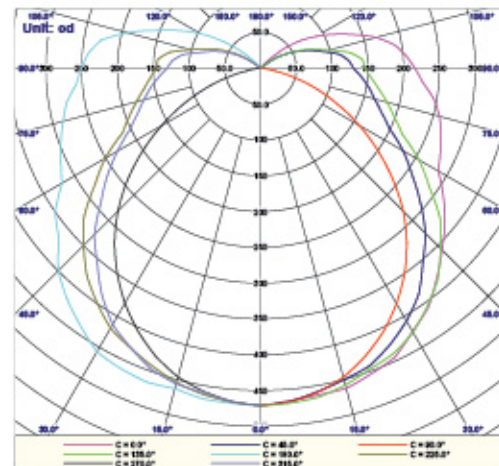
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.61	0.69	0.88	0.71	0.78	0.82	0.88	0.91	0.94
0.70	0.30	0.20	0.43	0.51	0.58	0.83	0.71	0.76	0.80	0.88	0.89
0.70	0.10	0.20	0.38	0.46	0.52	0.57	0.86	0.71	0.75	0.81	0.86
0.60	0.60	0.20	0.48	0.55	0.81	0.88	0.72	0.76	0.79	0.84	0.87
0.60	0.30	0.20	0.41	0.48	0.55	0.69	0.88	0.71	0.75	0.80	0.83
0.60	0.10	0.20	0.38	0.43	0.49	0.54	0.81	0.87	0.70	0.76	0.80
0.30	0.60	0.20	0.46	0.51	0.57	0.81	0.87	0.71	0.73	0.77	0.80
0.30	0.30	0.20	0.39	0.45	0.52	0.58	0.82	0.88	0.70	0.74	0.77
0.30	0.10	0.20	0.36	0.41	0.47	0.51	0.58	0.83	0.88	0.71	0.74
0.00	0.00	0.00	0.31	0.38	0.42	0.48	0.52	0.58	0.59	0.83	0.88
Distribution Factors		Floor:	0.31	0.38	0.42	0.48	0.52	0.58	0.59	0.83	0.88
		Wall:	0.63	0.47	0.42	0.38	0.32	0.28	0.25	0.21	0.18
		Ceiling:	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
BZ Numbers:			5	5	5	5	5	5	5	5	5

SHR Nominal = 1.60:1 SHR Maximum = 1.67:1

### Mounting



### Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (JOB NO: 2024EB0325)



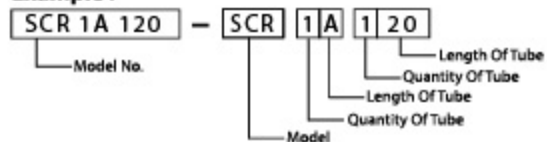
## Specifications

Model	SCR 1A 120 (IP65)	SCR 2A 220 (IP65)	SCR 1C 140 (IP65)	SCR 2C 240 (IP65)
Nominal Power	8W	16W	14W	28W
Nominal System Lumen Output	965 lm	1640 lm	1970 lm	3643 lm
Nominal System Efficacy	119 lm/W	104 lm/W	140 lm/W	131 lm/W
Light Source	SJ Lite T8 LED Tube (HE)			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Polycarbonate			
Ingress Protection	IP65			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SCR	1	A (2ft)
	2	C (4ft)

### Example :



## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SCR 1A 120 (IP65)	1	660	85	87
SCR 2A 220 (IP65)	2	660	134	87
SCR 1C 140 (IP65)	1	1269	85	87
SCR 2C 240 (IP65)	2	1269	134	87

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

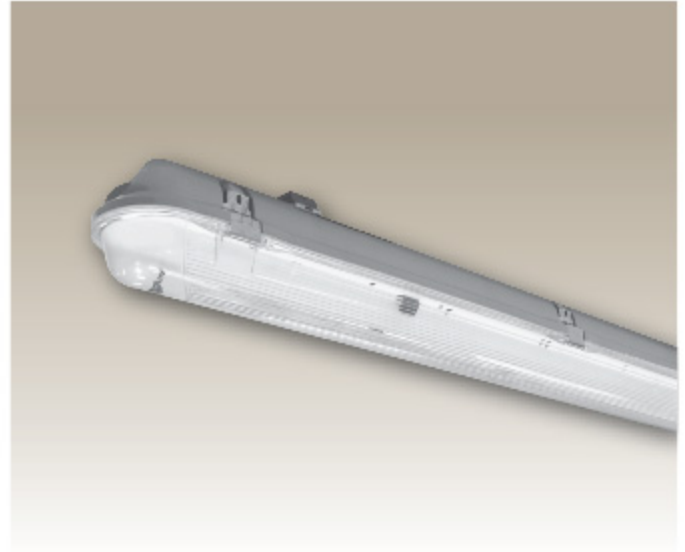


# SONIC LED

## SCR LED Linear Weatherproof Series

### Features

IP 65 weatherproof batten is a durable, robust polycarbonate base and diffuser. Gear tray retaining strap for easy installation and maintenance. Knockout and IP gland supplied for connections and through wiring. Use only fixing brackets supplied, screw should not be used directly through the base.



### Applications

Ideal for car parks, loading bays, corridors, warehouses, workshops and laboratories.

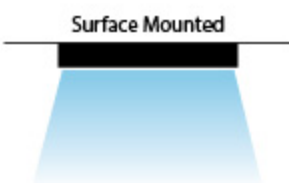
### Optics

Diffuser Material Polycarbonate

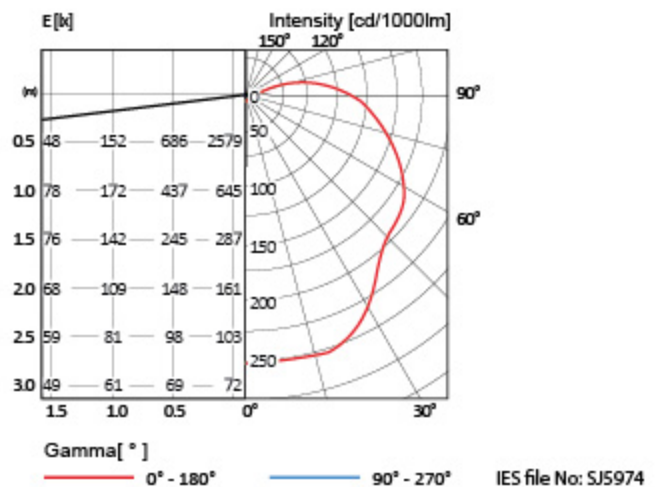
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



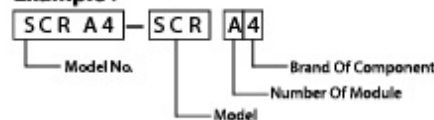
## Specifications

Model	SCR A4 120		SCR B4 220		SCR B4 140		SCR D4 240	
Nominal Power	12W	17W	23W	34W	23W	33W	46W	68W
Nominal System Lumen Output	1250 lm	1800 lm	2450 lm	3450 lm	2550 lm	3600 lm	5050 lm	7250 lm
Nominal System Efficacy	104 lm/W	106 lm/W	107 lm/W	101 lm/W	111 lm/W	109 lm/W	110 lm/W	107 lm/W
LED Driver	Philips CertaDrive							
Light Source	Philips CertaFlux							
Colour Temperature (CCT)	3000K/4000K/6500K							
Input Voltage	240V~50Hz							
Colour Rendering Index (CRI)	>80							
Luminaire Rated Life	50,000hrs (L70B50)							
Operating Temperature	-20°C ~ +35°C							
Power Factor	0.95PF							
Total Harmonic Distortion	≤20%							
Insulation Class	Class I							
Housing Material	Polycarbonate							
Ingress Protection	IP65							
Impact Protection	IK08							

## Order Reference

Model	Number Of Module	Brand Of Component
SCR	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SCR A4 120	660	85	87
SCR B4 220	660	134	87
SCR B4 140	1269	85	87
SCR D4 240	1269	134	87

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

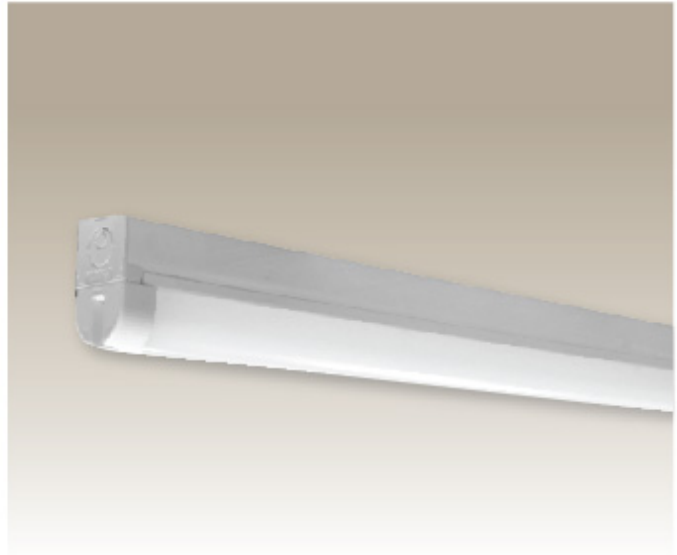


# SONIC LED

## SFS LED Linear Diffused Batten Series

### Features

Provide high efficiency and even light distribution. Easy access for installation and maintenance. Allows end to end installation.



### Applications

Ideal for most application in commercials, industrial and domestic areas.

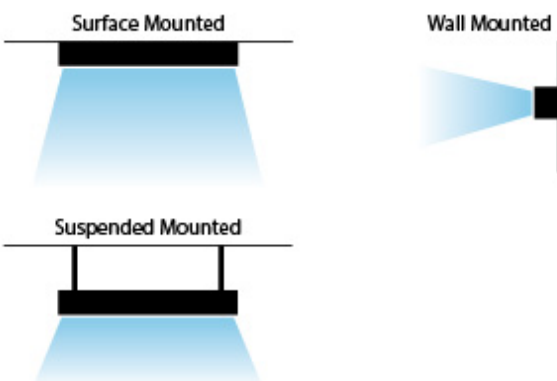
### Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted

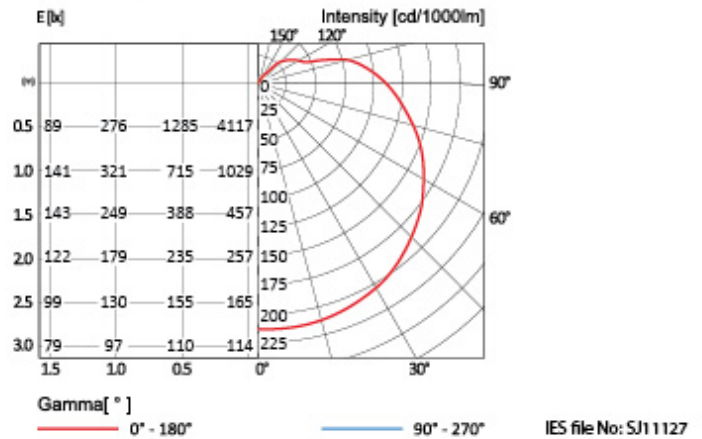
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data





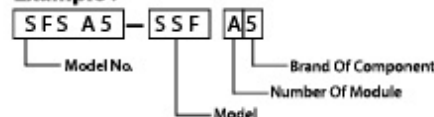
## Specifications

Model	SFS A5 SO (2ft)	SFS A5 HO (2ft)	SFS A7 SO (2ft)	SFS A7 HO (2ft)
Nominal Power	14W	20W	14W	20W
Nominal System Lumen Output	1720 lm	2330 lm	1570 lm	2280 lm
Nominal System Efficacy	123 lm/W	117 lm/W	112 lm/W	114 lm/W
Model	SFS B5 SO (4ft)	SFS B5 HO (4ft)	SFS B7 SO (4ft)	SFS B7 HO (4ft)
Nominal Power	25W	36W	25W	36W
Nominal System Lumen Output	3680 lm	4860 lm	3230 lm	4720 lm
Nominal System Efficacy	147 lm/W	135 lm/W	129 lm/W	131 lm/W
LED Driver	Tridonic LC	Tridonic LC	Osram IT FIT	Osram IT FIT
Light Source	Tridonic LLE	Tridonic LLE	Osram BA-LIN	Osram BA-LIN
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SFS	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



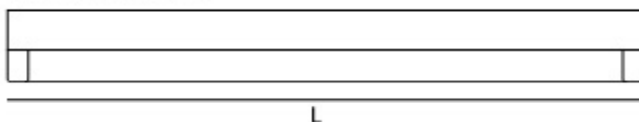
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SFS A5 SO (2ft)	622	39	66
SFS A5 HO (2ft)	622	39	66
SFS A7 SO (2ft)	622	39	66
SFS A7 HO (2ft)	622	39	66
SFS B5 SO (4ft)	1178	39	66
SFS B5 HO (4ft)	1178	39	66
SFS B7 SO (4ft)	1178	39	66
SFS B7 HO (4ft)	1178	39	66

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# SONIC LED

## SGB LED Linear Green Batten Series

### Features

Designed for ceiling mounted and pendant installation using suspension system, complete with a diffuser to enhance visual comfort. The LED green batten offer higher light transmittance and provide improved light distribution.



### Applications

Ideal for offices, retail stores, supermarkets, school and hotels.

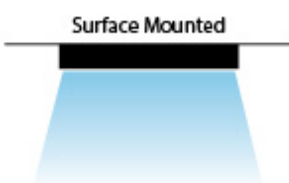
### Optics

Diffuser Material	PC
Diffuser Pattern	Frosted

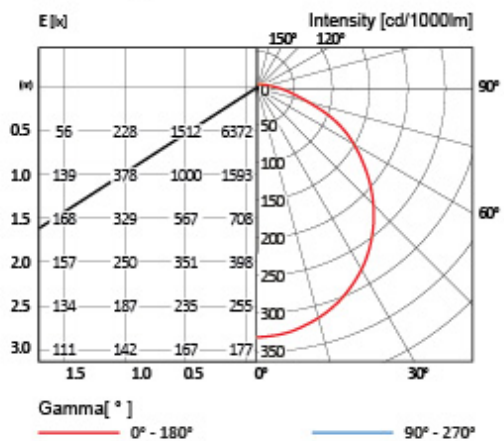
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



IES file No: SJ11400



## Specifications

Model	SGB B5 SO (2ft)	SGB B5 HO (2ft)	SGB B7 SO (2ft)	SGB B7 HO (2ft)
Nominal Power	25W	36W	25W	36W
Nominal System Lumen Output	3020 lm	4040 lm	2710 lm	3970 lm
Nominal System Efficacy	121 lm/W	112 lm/W	108 lm/W	110 lm/W

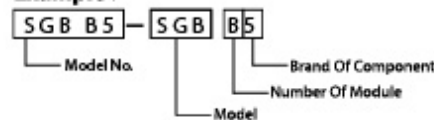
  

Model	SGB D5 SO (4ft)	SGB D5 HO (4ft)	SGB D7 SO (4ft)	SGB D7 HO (4ft)
Nominal Power	49W	72W	49W	72W
Nominal System Lumen Output	4840 lm	7710 lm	5330 lm	7720 lm
Nominal System Efficacy	99 lm/W	107 lm/W	109 lm/W	107 lm/W
LED Driver	Tridonic LC	Tridonic LC	Osram IT FIT	Osram IT FIT
Light Source	Tridonic LLE	Tridonic LLE	Osram BA-LIN	Osram BA-LIN
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V, 50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Rolled Steel			
Ingress Protection	IP20			
Impact Protection	IK07			

## Order Reference

Model	Number Of Module	Brand Of Component
SGB	A ( 1 module )	4 - Philips
	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



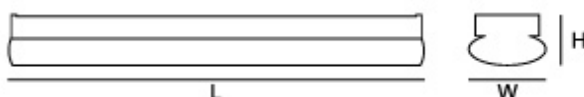
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SGB B5 SO (2ft)	605	150	56
SGB B5 HO (2ft)	605	150	56
SGB B7 SO (2ft)	605	150	56
SGB B7 HO (2ft)	605	150	56
SGB D5 SO (4ft)	1176	150	56
SGB D5 HO (4ft)	1176	150	56
SGB D7 SO (4ft)	1176	150	56
SGB D7 HO (4ft)	1176	150	56

Note : Subject to +/- 1.5mm

\*Other various types are available upon request

## Dimensions



\*All LED component are subject to the LED component manufacturers warranty terms and condition.

# SONIC LED

## STP Tri-Proof Series

### Features

New series of two-colour extruded tri-proof LED fitting. Two side end caps can be rotated by hand for easy pulling out of the gear tray plate. Flexible installation through sliding mounting bracket. The body is made of PC material and sealed by the latest thermal induction technology to ensure IP stability.

### Applications

Ideal for parking lot, subway corridor, factory, tunnel, warehouse, railway staircase and industrial areas.

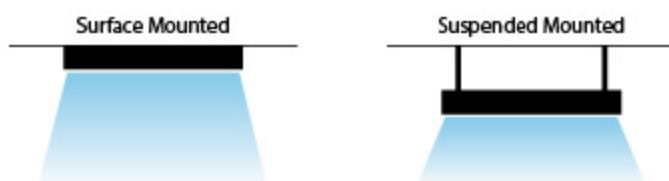
### Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted

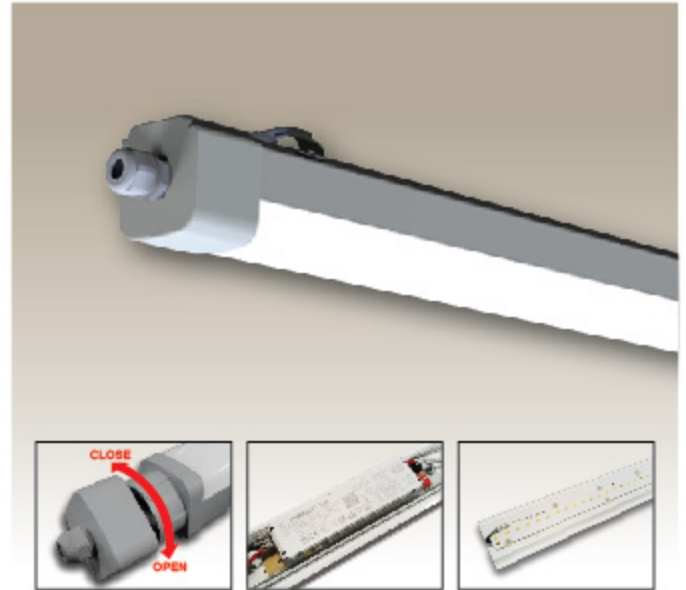
### Optional Features / Accessories

Dali/1-10V Dimming Control
Motion Sensor, Photo Cell
IoT Smart Lighting Control

### Mounting



\* This luminaires should be mounted in a sheltered areas to minimize exposure to direct sunlight and do not install in the high concentration of acidic or alkaline environment.

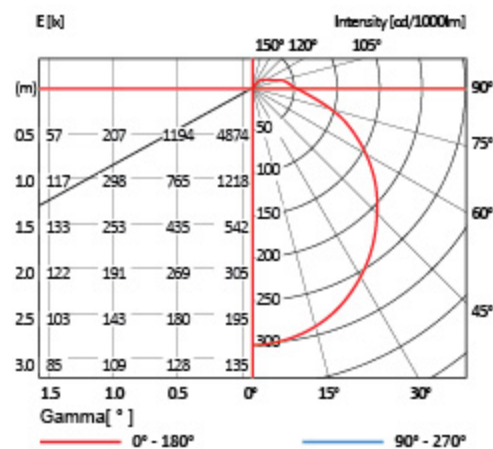


### Accessories



PVC Cable Gland, Brackets, Screws & Wall Plugs

### Lighting Data



IES file No: SJ10530

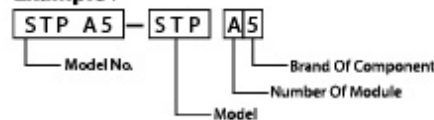
## Specifications

Model	STP A5 (IP65)	STP B5 (IP65)	STP C5 (IP65)
Nominal Power	18W	34W	42W
Nominal System Lumen Output	1974 lm	4552 lm	5638 lm
Nominal System Efficacy	110 lm/W	134 lm/W	134 lm/W
LED Driver	Tridonic LC		
Light Source	Tridonic LLE ADV		
Colour Temperature (CCT)	3000K/4000K/6500K		
Input Voltage	220-240V, 50/60Hz		
Colour Rendering Index (CRI)	>80		
Luminaire Rated Life	50,000hrs (L70B50)		
Operating Temperature	-20°C~+45°C		
Power Factor	>0.9PF		
Total Harmonic Distortion	≤20%		
Insulation Class	Class I		
Housing Material	Polycarbonate		
Ingress Protection	IP65		
Impact Protection	IK08		
Weight	0.6kg	1.0kg	1.2kg

## Order Reference

Model	Number Of Module	Brand Of Component
STP	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



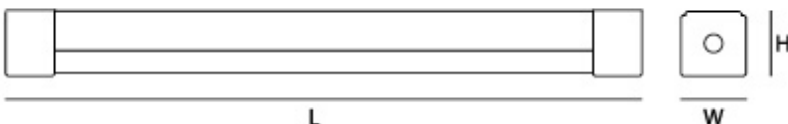
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
STP A5 (IP65)	600	65	68
STP B5 (IP65)	1200	65	68
STP C5 (IP65)	1500	65	68

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

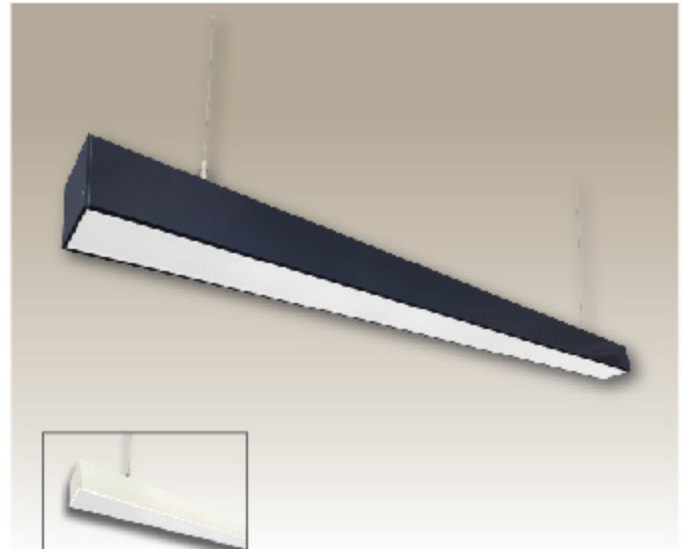


# ECLIPSE LED

SEU Surface/Suspended Mounted  
LED Linear Diffused Series

## Features

Aesthetically designed LED Linear Trunking series suitable for suspended downward type with housing made from high-quality extruded aluminium. It provides low-glare illumination and can be installed as a standalone unit or as a continuous modular units.



## Applications

Ideal for offices, schools, commercial, hospital, department stores and supermarkets.

## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted



Suspension Kits



Surface Mounting Brackets

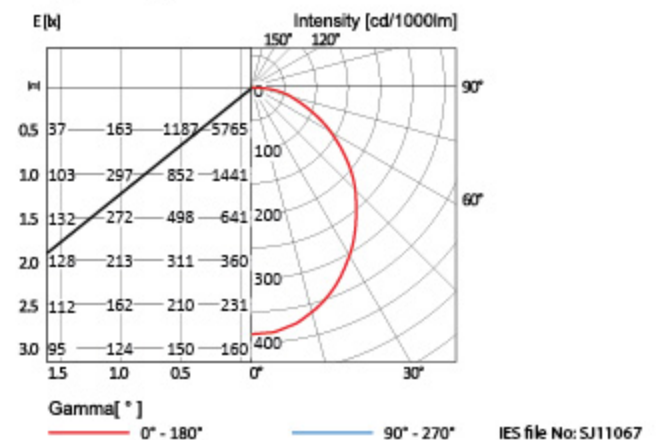
## Optional Features / Accessories

Dali/1-10V Dimming Control
Suspension Kits
Surface Mounting Brackets

## Mounting



## Lighting Data





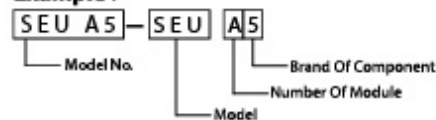
## Specifications

Model	SEU A5	SEU B5
Nominal Power	18W	34W
Nominal System Lumen Output	1800 lm	3700 lm
Nominal System Efficacy	100 lm/W	108 lm/W
LED Driver	Tridonic LC	
Light Source	Tridonic LLE	
Colour Temperature (CCT)	3000K/4000K/6500K	
Input Voltage	240V~50Hz	
Colour Rendering Index (CRI)	>80	
Luminaire Rated Life	50,000hrs (L70B50)	
Operating Temperature	-20°C ~ +45°C	
Power Factor	>0.9PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Extruded Aluminium	
Ingress Protection	IP20	

## Order Reference

Model	Number Of Module	Brand Of Component
SEU	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



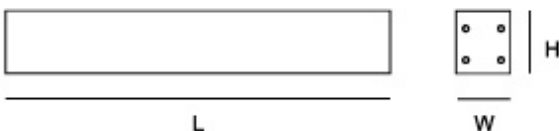
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SEU A5	568	50	75
SEU B5	1128	50	75

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

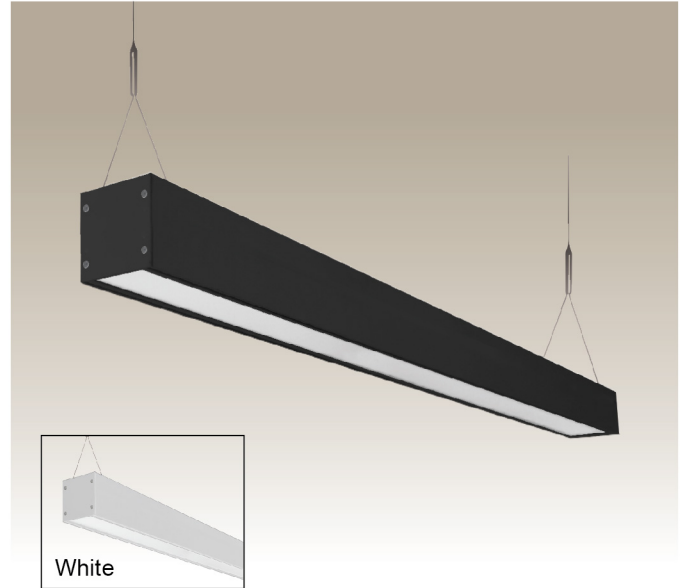


# ECLIPSE LED

## SCF Surface/Suspended Mounted LED Linear Diffused Series (Metal)

### Features

Fixture constructed of a cold rolled steel housing. Clip in frosted diffuser for uniform light distribution. Field adjustable cable hanger can be located at nearly any point along the fixture length. Each trunk can be installed as standalone unit or as modular unit to be assembled continuously with only one end feed. Up to 3m in single piece without joins. Continuous runs fitted with quick connects for simple, efficient wiring. Model variations offered for surface and cable suspended applications. Flexible solution for various application as vary beam optics can be selected.



### Applications

Ideal for offices, schools, commercial, hospital and residential

### Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted

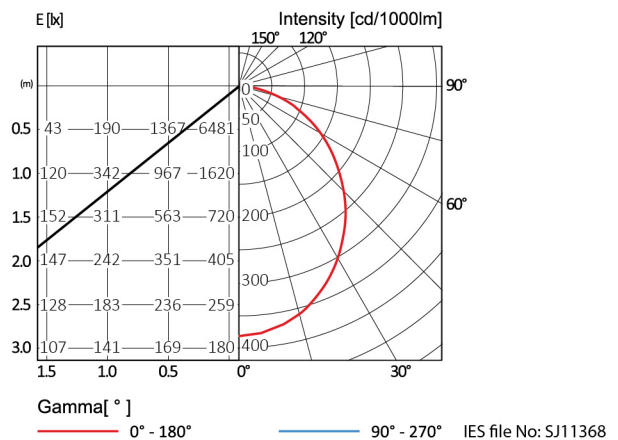
### Optional Features / Accessories

Dali/1-10V Dimming Control
----------------------------

### Mounting



### Lighting Data





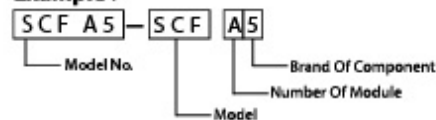
## Specifications

Model	SCF A5		SCF B5	
Nominal Power	12W	18W	24W	34W
Nominal System Lumen Output	1440 lm	1950 lm	3230 lm	4260 lm
Nominal System Efficacy	120 lm/W	108 lm/W	135 lm/W	125 lm/W
LED Driver	Tridonic LC			
Light Source	Tridonic LLE			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Rolled Steel			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SCF	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

Example :



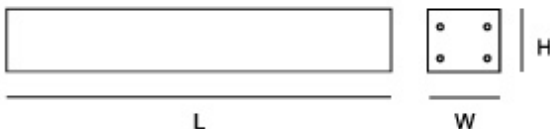
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SCF A5	568	91	81
SCF B5	1128	90	80

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# ECLIPSE LED

SEF Surface/Suspended Mounted  
LED Linear Diffused Series

## Features

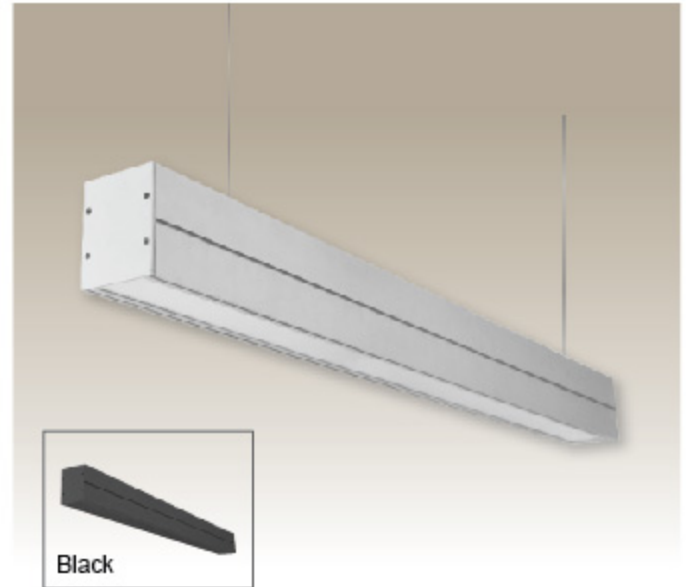
Fixture constructed of an extruded aluminium housing. Clip in frosted diffuser for uniform light distribution. Field adjustable cable hanger can be located at nearly any point along the fixture length. Each trunk can be installed as standalone unit or as modular unit to be assembled continuously with only one end feed. Up to 3m in single piece without joins. Continuous runs fitted with quick connects for simple, efficient wiring. Model variations offered for surface and cable suspended applications. Flexible solution for various application as vary beam optics can be selected.

## Applications

Ideal for offices, schools, commercial, hospital and residential

## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted



## Accessories



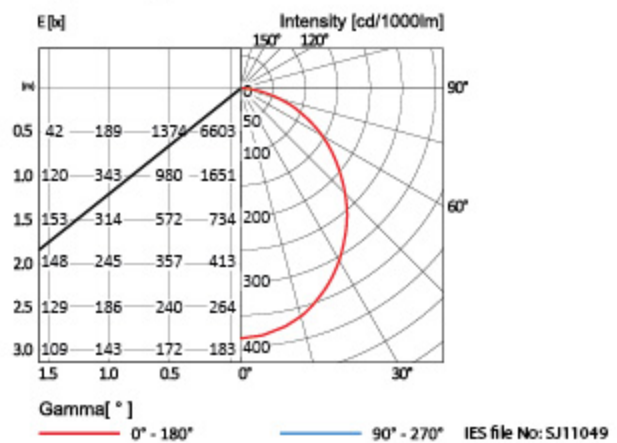
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data





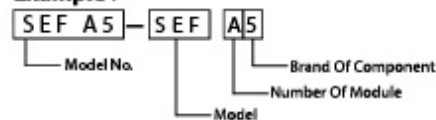
## Specifications

Model	SEF A5		SEF B5	
Nominal Power	12W	18W	25W	34W
Nominal System Lumen Output	1510 lm	2050 lm	3240 lm	4280 lm
Nominal System Efficacy	126 lm/W	114 lm/W	130 lm/W	126 lm/W
LED Driver	Tridonic LC			
Light Source	Tridonic LLE			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Extruded Aluminium			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SEF	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



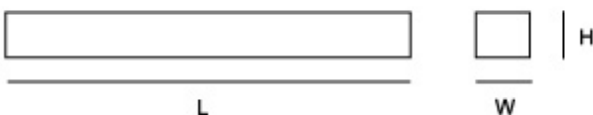
## Order Information

Model No.	L (mm)	W (mm)	H (mm)
SEF A5	568	80	100
SEF B5	1128	80	100

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# ECLIPSE LED

## SEF Wood/Plaster Ceiling Recessed Mounted LED Linear Diffused Series

### Features

Fixture constructed of an extruded aluminium housing. Clip in frosted diffuser for uniform light distribution. Field adjustable cable hanger can be located at nearly any point along the fixture length. Each trunk can be installed as standalone unit or as modular unit to be assembled continuously with only one end feed. Up to 3m in single piece without joins. Continuous runs fitted with quick connects for simple, efficient wiring. Model variations offered for surface and cable suspended applications. Flexible solution for various application as vary beam optics can be selected.

### Applications

Ideal for offices, schools, commercial, hospital and residential.

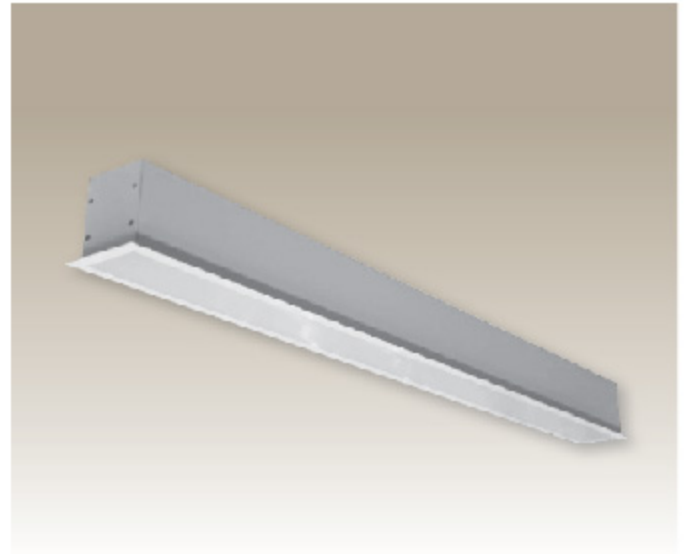
### Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted

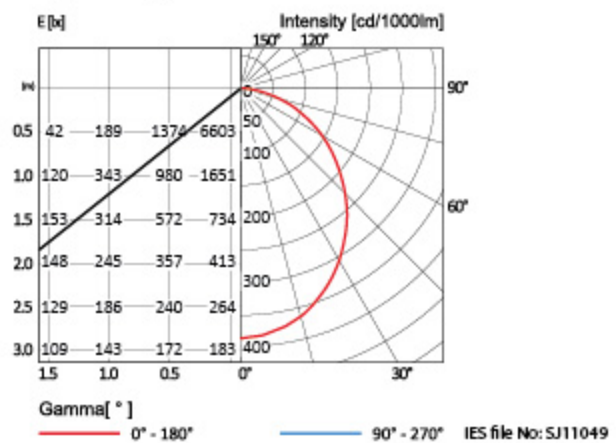
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



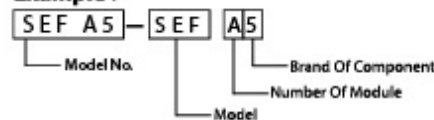
## Specifications

Model	SEF A5 Wood/Plaster		SEF B5 Wood/Plaster	
Nominal Power	12W	18W	25W	34W
Nominal System Lumen Output	1510 lm	2050 lm	3240 lm	4280 lm
Nominal System Efficacy	126 lm/W	114 lm/W	130 lm/W	126 lm/W
LED Driver	Tridonic LC			
Light Source	Tridonic LLE			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Extruded Aluminium			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SEF	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



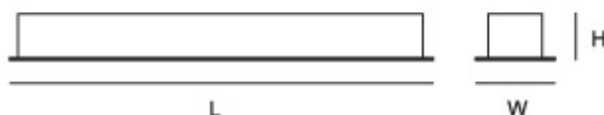
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SEF A5 Wood/Plaster	593	105	100
SEF B5 Wood/Plaster	1154	105	100

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



SEF A4 Wood/Plaster - 94x577mm  
SEF B4 Wood/Plaster - 94x1138mm

# ECLIPSE LED

SEC Surface/Suspended Mounted  
LED Linear Curve Series

## Features

Curve shape combines with parabolic louvre for an efficient profile with better glare control and bat wing light distribution. Curvelite can also be supplied in a continuous run configuration.

## Applications

Ideal for general lighting in offices, supermarkets and complexes.

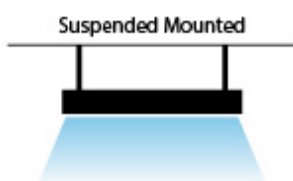
## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted
Louvre Material	Specular Anodised Aluminium

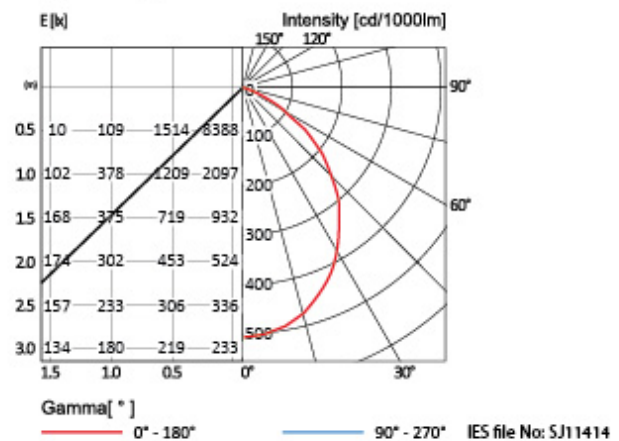
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data



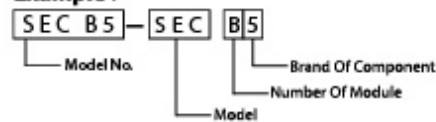
## Specifications

Model	SEC B5	
Nominal Power	24W	34W
Nominal System Lumen Output	3150 lm	4180 lm
Nominal System Efficacy	131 lm/W	123 lm/W
LED Driver	Tridonic LC	
Light Source	Tridonic LLE	
Colour Temperature (CCT)	3000K/4000K/6500K	
Input Voltage	240V~50Hz	
Colour Rendering Index (CRI)	>80	
Luminaire Rated Life	50,000hrs (L70B50)	
Operating Temperature	-20°C ~ +45°C	
Power Factor	>0.9PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Extruded Aluminium	
Ingress Protection	IP20	

## Order Reference

Model	Number Of Module	Brand Of Component
SEC	A ( 1 module )	4 - Philips
	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



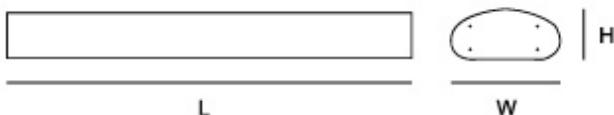
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SEC B5	1128	160	70

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# PLUTO LED

## SL 123 / SL 124 Downlight Series

### Features

Designed for surface mounted with high performance led light source. Surface mounted downlight provides optimal light distribution and energy savings.



### Applications

Ideal for commercial building, lobby, conventional hall, ballroom, and concourse.

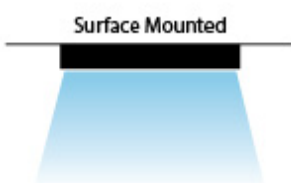
### Optics

Diffuser Type	Clear or Frosted PMMA
Reflector Material	Aluminium
Beam Angle	20°/40°/60°

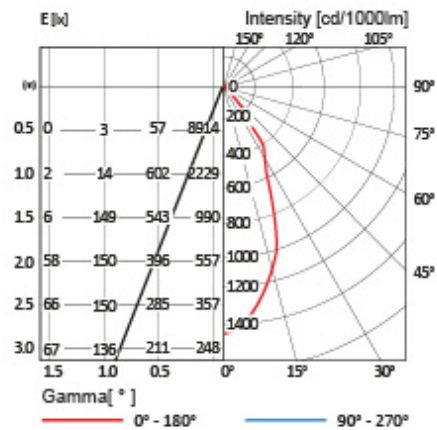
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



IES file No: SJ6807

## Specifications

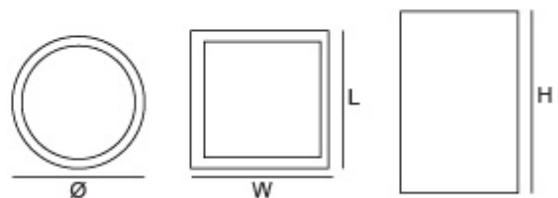
Model	SL 123.3 RD	SL 123.4 RD	SL 123.5 RD	SL 123.6 RD	SL 124.3 SQ	SL 124.4 SQ	SL 124.5 SQ
Nominal Power	5W	14W	27W	41W	5W	14W	34W
	9W	19W	32W	49W	9W	19W	41W
	11W	24W	34W		11W	24W	
	14W				14W	27W 32W	
Nominal System Lumen Output	600 lm	1700 lm	3400 lm	4900 lm	600 lm	1700 lm	4100 lm
	1000 lm	2400 lm	3850 lm	6000 lm	1000 lm	2400 lm	4900 lm
	1550 lm	2900 lm	4300 lm		1550 lm	2900 lm	
	1700 lm				1700 lm	3300 lm 3700 lm	
Nominal System Efficacy	120 lm/W	121 lm/W	125 lm/W	119 lm/W	120 lm/W	121 lm/W	120 lm/W
	111 lm/W	126 lm/W	120 lm/W	122 lm/W	111 lm/W	126 lm/W	119 lm/W
	140 lm/W	120 lm/W	126 lm/W		140 lm/W	120 lm/W	
	121 lm/W				121 lm/W	122 lm/W 115 lm/W	
LED Driver	VS / Philips						
Light Source	VS COB						
Colour Temperature (CCT)	3000K/4000K/5700K						
Input Voltage	220-240V~50/60Hz						
Colour Rendering Index (CRI)	80						
Luminaire Rated Life	50,000hrs (L70B50)						
Operating Temperature	-20°C ~ +40°C						
Power Factor	0.9PF						
Total Harmonic Distortion	≤20%						
Insulation Class	Class I						
Housing Material	Aluminium						
Ingress Protection	IP20						

## Order Reference

Model	Size	Shape
SL 123	3	RD
SL124	4	SQ
	5	
	6	



## Dimensions



## Order Information

Model No.	Ø/L(mm)	W(mm)	H(mm)
SL 123.3 RD	110	-	120
SL 123.4 RD	133	-	153
SL 123.5 RD	171	-	195
SL 123.6 RD	196	-	198
SL 124.3 SQ	110	110	120
SL 124.4 SQ	133	133	135
SL 124.5 SQ	160	160	165

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.



MS IEC 60598-1  
MS IEC 60598-2-1  
PS008202



# PLUTO LED

## SL 177 Downlight Series

### Features

Designed for surface mounting ceiling with better glare control. LED downlight lights with white reflector highlighting the use of a new generation of low power and high power LED as light source.

### Applications

Ideal for commercial building, offices, conference room, classrooms, shops and etc.

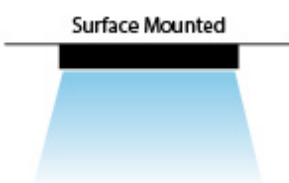
### Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	White Paint Die Cast Aluminium

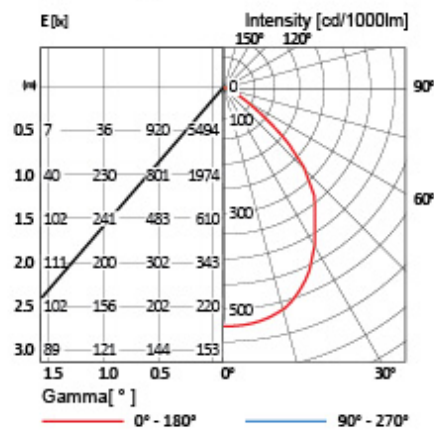
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



IES file No: SJ4927

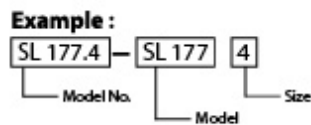


## Specifications

Model	SL 177.4 (850LM)	SL 177.4 (1250LM)	SL 177.4 (2000LM)	SL 177.6 (2000LM)
Nominal Power	11W	15W	20W	20W
Nominal System Lumen Output	850 lm	1250 lm	2000 lm	2000 lm
Nominal System Efficacy	77 lm/W	83 lm/W	100 lm/W	100 lm/W
Model	SL 177.6 (3000LM)	SL 177.6 (4000LM)	SL 177.8 (5000LM)	SL 177.8 (6000LM)
Nominal Power	30W	42W	50W	60W
Nominal System Lumen Output	3000 lm	4000 lm	5000 lm	6000 lm
Nominal System Efficacy	100 lm/W	95 lm/W	100 lm/W	100 lm/W
LED Driver	Philips CertaDrive / Xitanium			
Light Source	Cree CXA			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	220-240V~50/60Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model No.	Size
SL 177	4
	6
	8



## Dimensions



## Order Information

Model No.	Ø(mm)	H(mm)
SL 177.4 (850LM)	160	155
SL 177.4 (1250LM)	160	155
SL 177.4 (2000LM)	160	155
SL 177.6 (2000LM)	188	155
SL 177.6 (3000LM)	188	155
SL 177.6 (4000LM)	188	205
SL 177.8 (5000LM)	235	205
SL 177.8 (6000LM)	235	255

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.



MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# PLUTO LED

## SL 190 Downlight Series

### Features

Full portfolio from 600lm - 2000lm, available in 830/840/865 CCT with 4°/6°/8°. Optimized diffuser provides good uniformity.

### Applications

Ideal for commercial building, offices, conference room, classrooms, shops and etc.

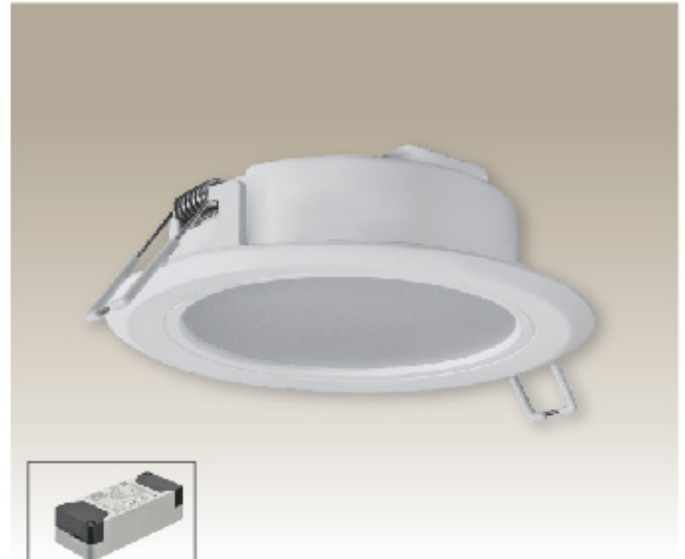
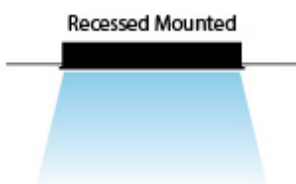
### Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted

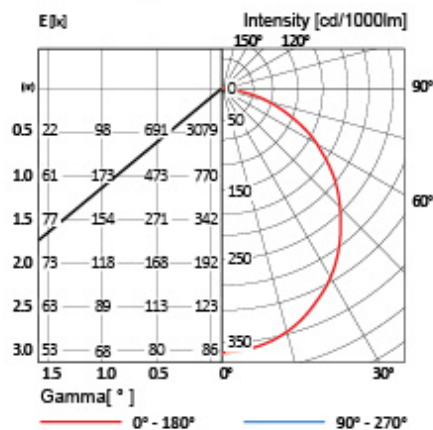
### Optional Features / Accessories

Dali/1-10V Dimming Control
----------------------------

### Mounting



### Lighting Data



IES file No: SJ5321

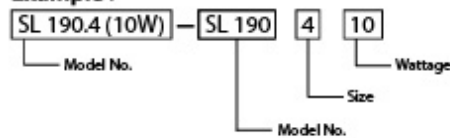
## Specifications

Model	SL 190.4 (10W)	SL 190.4 (12W)	SL 190.6 (12W)	SL 190.6 (15W)	SL 190.6 (20W)	SL 190.8 (20W)	SL 190.8 (23W)
Nominal Power	10W	12W	12W	15W	20W	20W	23W
Nominal System Lumen Output	1030 lm	1178 lm	1277 lm	1510 lm	2095 lm	2134 lm	2390 lm
Nominal System Efficacy	103 lm/W	98 lm/W	106 lm/W	101 lm/W	105 lm/W	107 lm/W	104 lm/W
LED Driver	Philips CertaDrive						
Light Source	DLM Slim						
Colour Temperature (CCT)	3000K/4000K/6500K						
Input Voltage	240V, 50Hz						
Colour Rendering Index (CRI)	>80						
Luminaire Rated Life	50,000hrs (L70B50)						
Operating Temperature	-20°C ~ +45°C						
Power Factor	>0.9PF						
Total Harmonic Distortion	≤20%						
Insulation Class	Class II						
Housing Material	Metal						
Ring Material	PBT						
Ingress Protection	IP20						

## Order Reference

Model	Size	Wattage	
SL 190	4	10	20
	6	12	23
	8	15	

### Example :



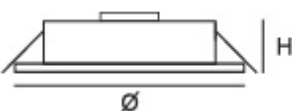
## Order Information

Model No.	Ø (mm)	H (mm)
SL190.4 (10W)	120	36
SL190.4 (12W)	120	36
SL190.6 (12W)	170	36
SL190.6 (15W)	170	36
SL190.6 (20W)	170	36
SL190.8 (20W)	223	37
SL190.8 (23W)	223	37

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



SL190.4 - 105±2mm  
SL190.6 - 155±2mm  
SL190.8 - 205±2mm

# PLUTO LED

## SL 189 Downlight Series

### Features

Designed for recess mounting ceiling with better glare control. Tool free assembly, simple as push and rotate.

### Applications

Ideal for commercial building, offices, conference room, classrooms, shops and etc.

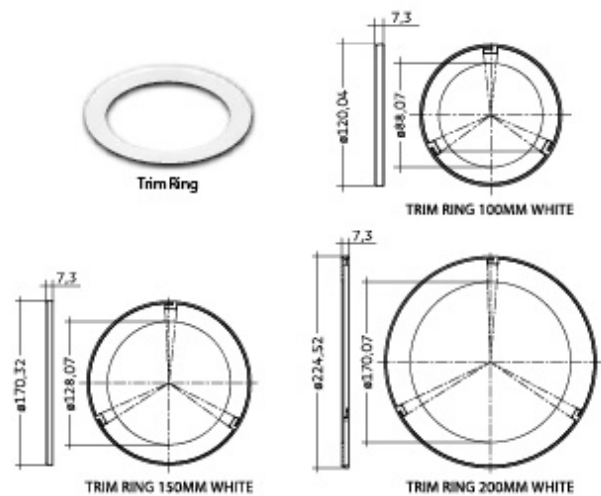
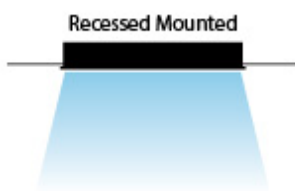
### Optics

Reflector Material	Aluminium Reflector
Beam Angle	60° / 90°

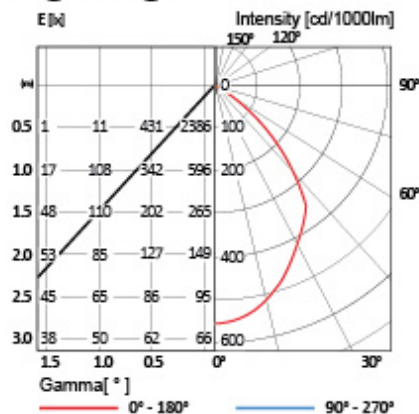
### Optional Features / Accessories

Dali/1-10V Dimming Control
Trim Ring
Reflector 60D
Reflector 90D

### Mounting



### Lighting Data



IES file No: SJ6098

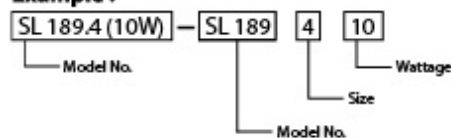
## Specifications

Model	SL 189.4 (10W)	SL 189.6 (10W)	SL 189.6 (20W)	SL 189.8 (20W)	SL 189.8 (30W)
Nominal Power	10W	10W	20W	20W	30W
Nominal System Lumen Output	1110 lm	1120 lm	2210 lm	2250 lm	3180 lm
Nominal System Efficacy	111 lm/W	112 lm/W	111 lm/W	113 lm/W	106 lm/W
LED Driver	Tridonic DLA ECG				
Light Source	Tridonic DLA				
Colour Temperature (CCT)	3000K/4000K/6500K				
Input Voltage	240V~50Hz				
Colour Rendering Index (CRI)	>80				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-20°C ~ +40°C				
Power Factor	>0.9PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class II				
Housing Material	Aluminium				
Ingress Protection	IP20				

## Order Reference

Model	Size	Wattage
SL 189	4	10
	6	20
	8	30

### Example :



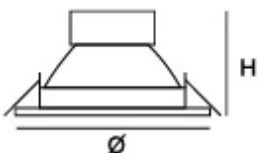
## Order Information

Model No.	Ø(mm)	H(mm)
SL189.4 (10W)	120	85
SL189.6 (10W)	170	115
SL189.6 (20W)	170	115
SL189.8 (20W)	225	135
SL189.8 (30W)	225	135

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



SL 189.4 - 105 ± 2mm  
 SL 189.6 - 145 ± 2mm  
 SL 189.8 - 190 ± 2mm



IEC 60598-2-2  
IEC 60598-1  
PS008206



# PLUTO LED

## SL 173 / SL 181 Downlight Series

### Features

Designed for recess mounting ceiling with better glare control. LED downlight lights with white reflector, highlighting the use of a new generation of low power and high power LED as light source.



### Applications

Ideal for commercial building, offices, conference room, classrooms, shops and etc.

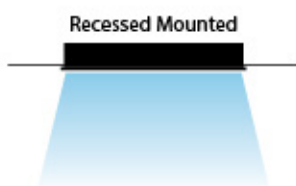
### Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	Epoxy Powder Die Cast Aluminium

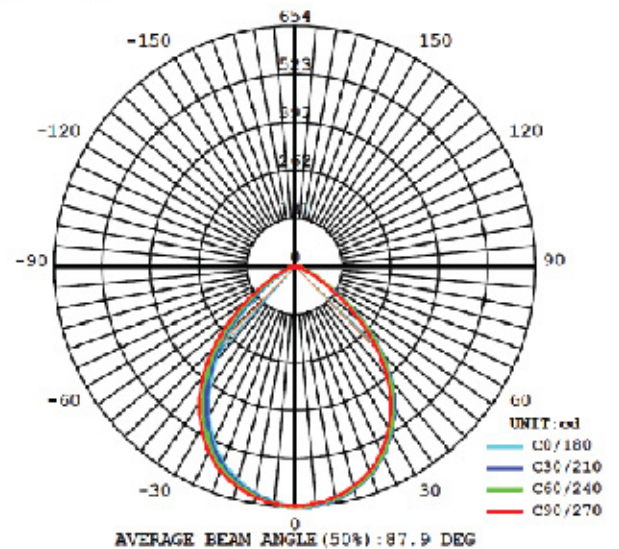
### Optional Features / Accessories

Dali/1-10V Dimming Control
----------------------------

### Mounting



### Lighting Data



Report No: QAV-0124-0063

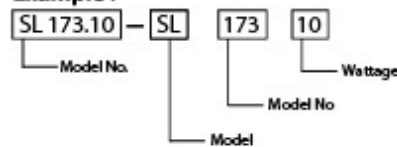
## Specifications

Model	SL 173.10	SL 173.15	SL 181.10	SL 181.15	SL 181.20	SL 181.30
Nominal Power	10W	15W	10W	15W	20W	30W
Nominal System Lumen Output	800 lm	1210 lm	970 lm	1280 lm	2100 lm	3000 lm
Nominal System Efficacy	80 lm/W	81 lm/W	97 lm/W	85 lm/W	105 lm/W	100 lm/W
LED Driver	Tridonic/Xitanium					
Light Source	Cree CXA					
Colour Temperature (CCT)	3000K/4000K/ 6500K					
Input Voltage	240V~50Hz					
Colour Rendering Index (CRI)	≥80					
Luminaire Rated Life	50,000hrs (L70B50)					
Operating Temperature	-20°C ~ +45°C					
Power Factor	≥0.9PF					
Total Harmonic Distortion	≤20%					
Insulation Class	Class I					
Housing Material	Die-cast Aluminium					
Ingress Protection	IP20					

## Order Reference

Model	Model No.	Wattage
SL	173	10
	181	15
		20

### Example :



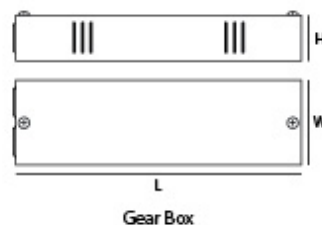
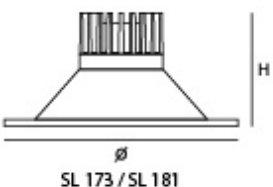
## Order Information

Model No.	Ø (mm)	H (mm)
SL 173.10	160	60
SL 173.15	160	60
SL 181.10	188	78
SL 181.15	188	78
SL 181.20	188	98
SL 181.30	188	98

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



### Size Measurement

L : 220mm  
W : 65mm  
H : 35mm



IEC 60598-2-2  
IEC 60598-1  
PS008206



# PLUTO LED

## SL 176 Downlight Series

### Features

Designed for recess mounting ceiling with better glare control. LED downlight lights with white reflector, highlighting the use of a new generation of low power and high power LED as light source.

### Applications

Ideal for commercial building, offices, conference room, classrooms, shops and etc.

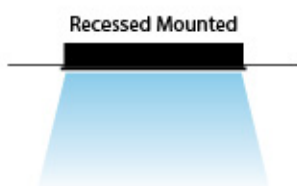
### Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	Epoxy Powder Die Cast Aluminium

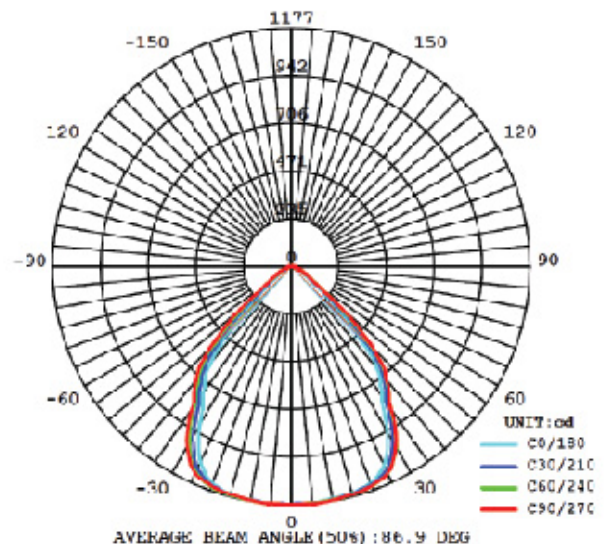
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



Report No: QAW-0124-0060

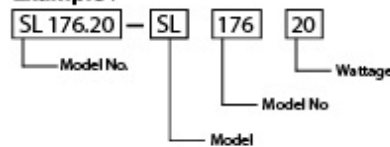
## Specifications

Model	SL 176.20	SL 176.40	SL 176.50	SL 176.60
Nominal Power	20W	40W	50W	60W
Nominal System Lumen Output	2080 lm	4000 lm	5000 lm	6000 lm
Nominal System Efficacy	104 lm/W	100 lm/W	100 lm/W	100 lm/W
LED Driver	Tridonic/Xitanium			
Light Source	Cree CXA			
Colour Temperature (CCT)	3000K/4000K/ 6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	≥80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	≥0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Die-cast Aluminium			
Ingress Protection	IP20			

## Order Reference

Model	Model No.	Wattage
SL	176	20
		40
		50
		60

### Example :



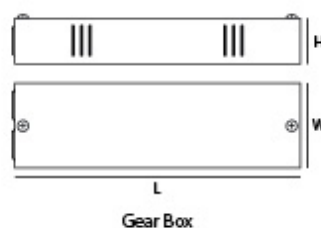
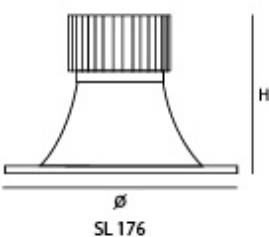
## Order Information

Model No.	Ø (mm)	H (mm)
SL 176.20	235	130
SL 176.40	235	165
SL 176.50	235	165
SL 176.60	235	210

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



### Size Measurement

L : 220mm  
W : 65mm  
H : 35mm

# PLUTO LED

## SL 195 / SL 196 Downlight Series

### Features

Designed for recessed mounted with high performance LED light source. Provides optimal light distribution and energy savings.



### Applications

Ideal for commercial building, lobby, conventional hall, ballroom and etc.

### Optics

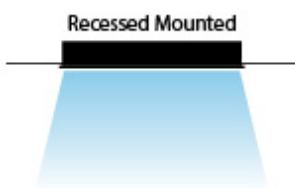
Diffuser Material Clear / Frosted Glass

Reflector Material Aluminium

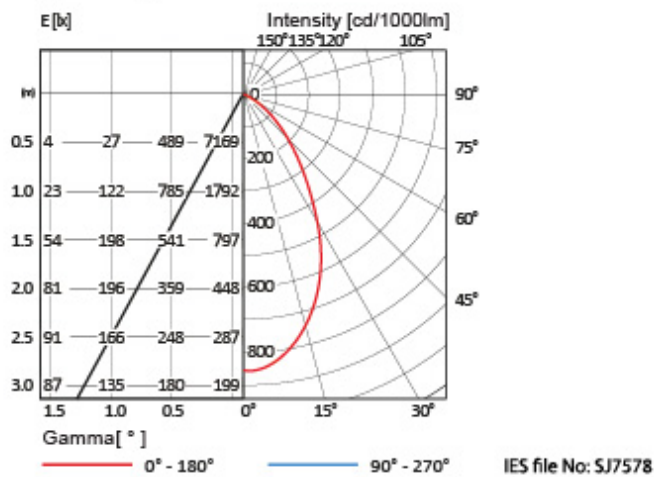
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data

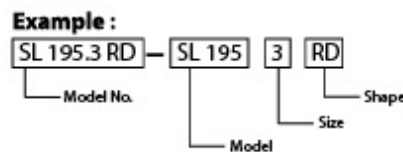


## Specifications

Model	SL 195.3 RD	SL 195.4 RD	SL 195.6 RD	SL 195.8 RD	SL 196.3 SQ	SL 196.4 SQ	SL 196.6 SQ	SL 196.8 SQ
Nominal Power	5W	19W	27W	34W	5W	19W	27W	34W
	9W	24W	32W	41W	9W	24W	32W	41W
	11W			49W	11W			49W
	14W			53W	14W			53W
Nominal System Lumen Output	560 lm	2100 lm	2900 lm	4150 lm	560 lm	2000 lm	3100 lm	4100 lm
	870 lm	2400 lm	3250 lm	4650 lm	840 lm	2500 lm	3200 lm	4600 lm
	1250 lm			5500 lm	1300 lm			6000 lm
	1400 lm			6000 lm	1450 lm			6400 lm
Nominal System Efficacy	112 lm/W	110 lm/W	107 lm/W	122 lm/W	112 lm/W	105 lm/W	114 lm/W	120 lm/W
	96 lm/W	100 lm/W	101 lm/W	113 lm/W	96 lm/W	104 lm/W	100 lm/W	112 lm/W
	113 lm/W			112 lm/W	118 lm/W			122 lm/W
	100 lm/W			113 lm/W	103 lm/W			120 lm/W
LED Driver	VS/Philips							
Light Source	VS COB							
Colour Temperature	3000K/4000K/5700K							
Input Voltage	220-240V, 50/60Hz							
Colour Rendering Index	80							
Luminaire Rated Life	50,000hrs (L70B50)							
Operating Temperature	-20°C ~ +40°C							
Power Factor	0.9PF							
Total Harmonic Distortion	≤20%							
Insulation Class	Class I							
Housing Material	Aluminium							
Ingress Protection	IP20							

## Order Reference

Model	Size	Shape
SL 195	3	RD
SL196	4	SQ
	6	
	8	



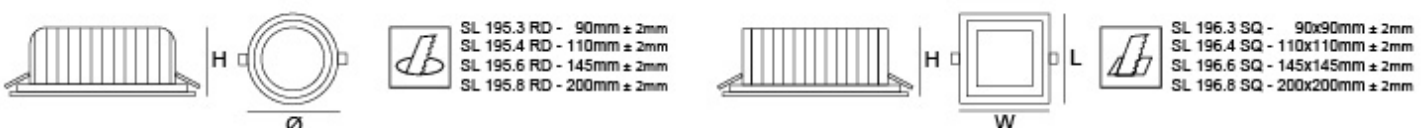
## Order Information

Model No.	Ø/L(mm)	W(mm)	H(mm)
SL 195.3 RD	110	-	59
SL 195.4 RD	127	-	70
SL 195.6 RD	164	-	81
SL 195.8 RD	220	-	90
SL 196.3 SQ	110	110	59
SL 196.4 SQ	127	127	70
SL 196.6 SQ	164	164	81
SL 196.8 SQ	220	220	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





MS IEC 60598-2-2  
MS IEC 60598-1  
PC003594



# PLUTO LED

CL 100 / CL 101 Downlight Series (HE)

## Features

Recessed mounted LED Downlight in white finish and separate energy efficient electronic driver.

## Applications

Ideal for restaurants, general shops, small offices, reception area and etc.

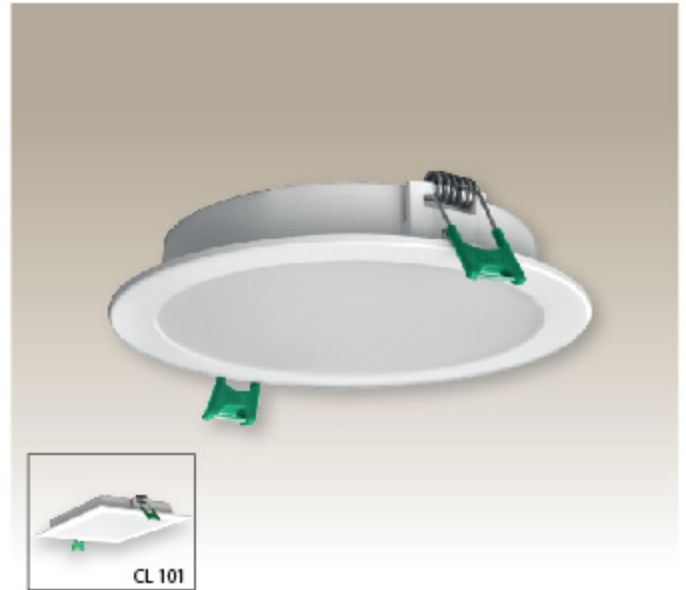
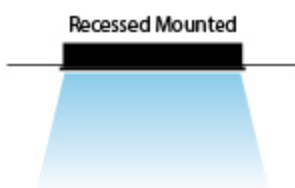
## Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted

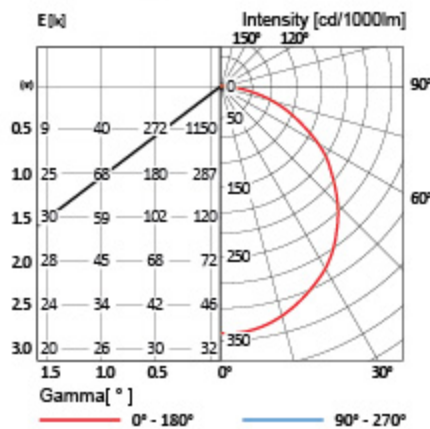
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data



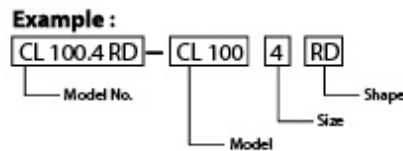
IES file No: SJ5183

## Specifications

Model	CL 100.4 RD	CL 100.6 RD	CL 100.8 RD	CL 101.4 SQ	CL 101.6 SQ	CL 101.8 SQ
Nominal Power	12W	18W	24W	12W	18W	24W
Nominal System Lumen Output	1000 lm	1500 lm	1900 lm	1090 lm	1550 lm	1900 lm
Nominal System Efficacy	83 lm/W	83 lm/W	79 lm/W	91 lm/W	86 lm/W	79 lm/W
LED Driver	SJ Lite Eco					
Light Source	SJ Lite Eco					
Colour Temperature (CCT)	3000K/4000K/6500K					
Input Voltage	220-240V~50Hz					
Colour Rendering Index (CRI)	80					
Luminaire Rated Life	25,000hrs (L70B50)					
Operating Temperature	-20°C ~ +45°C					
Power Factor	0.9PF					
Total Harmonic Distortion	>20%					
Insulation Class	Class II					
Housing Material	Die Cast Aluminium					
Ingress Protection	IP20					

## Order Reference

Model	Size	Shape
CL 100	4	RD
CL 101	6 8	SQ



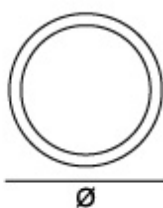
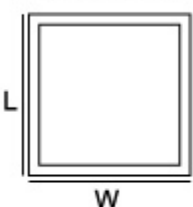
## Order Information

Model No.	Ø/L (mm)	W(mm)	H(mm)
CL 100.4 RD	150	-	25
CL 100.6 RD	175	-	25
CL 100.8 RD	225	-	25
CL 101.4 SQ	150	150	25
CL 101.6 SQ	175	175	25
CL 101.8 SQ	225	225	25

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



CL 100.4 RD - 138 ± 2mm  
CL 100.6 RD - 160 ± 2mm  
CL 100.8 RD - 215 ± 2mm



CL 101.4 SQ - 138x138 ± 2mm  
CL 101.6 SQ - 160x160 ± 2mm  
CL 101.8 SQ - 212x212 ± 2mm



MS IEC 60598-1  
MS IEC 60598-2-1  
PC005089

SIRIM



# PLUTO LED

CL 102 / CL 103 Downlight Series (HE)

## Features

Surface mounted LED downlight with polycarbonate housing.  
Easy and simple connection with an integrated driver.



## Applications

Ideal for restaurants, general shops, small offices, reception area and etc.

## Optics

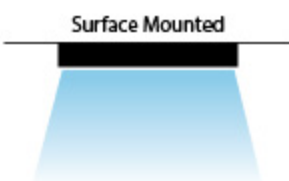
Reflector Material Acrylic

Diffuser Pattern Frosted

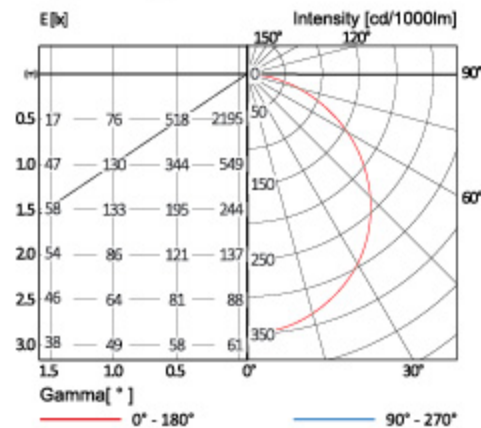
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data



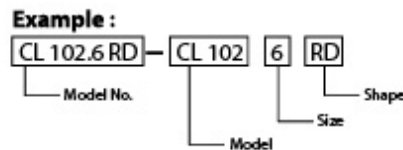
IES file No: SJ6673

## Specifications

Model	CL 102.6 RD	CL 102.8 RD	CL 103.6 SQ	CL 103.8 SQ
Nominal Power	12W	18W	12W	18W
Nominal System Lumen Output	1075 lm	1600 lm	1050 lm	1530 lm
Nominal System Efficacy	90 lm/W	89 lm/W	88 lm/W	85 lm/W
LED Driver	Integrated			
Light Source	Integrated			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	220-240V, 50/60Hz			
Colour Rendering Index (CRI)	80			
Luminaire Rated Life	30,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	0.5PF			
Total Harmonic Distortion	>20%			
Insulation Class	Class II			
Housing Material	Polycarbonate			
Ingress Protection	IP20			

## Order Reference

Model	Size	Shape
CL 102	6	RD
CL 103	8	SQ



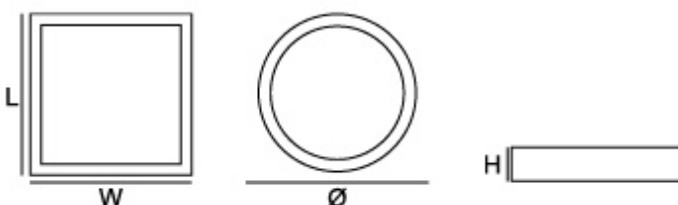
## Order Information

Model No.	Ø/L (mm)	W(mm)	H(mm)
CL 102.6 RD	175	-	35
CL 102.8 RD	225	-	35
CL 103.6 SQ	175	175	35
CL 103.8 SQ	225	225	35

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# PLUTO LED

SL 125 Spotlight Series (IP65)

## Features

Designed for surface mounted with high performance LED light source. Provides optimal light distribution and energy savings.

## Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

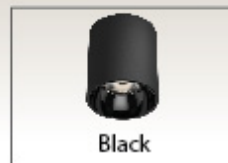
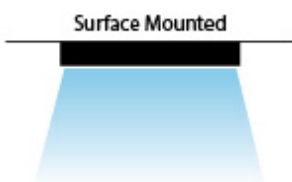
## Optics

Reflector Material	Metallized Silver, White, Black, Gold & Dark
Diffuser Material	PMMA Lens
Beam Angle	20° / 40° / 60°

## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



Range of interchange-able reflector





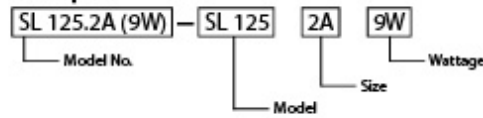
## Specifications

Model	SL 125.2A (9W)	SL 125.2 (9W)	SL 125.2A (14W)	SL 125.2 (14W)	SL 125.3A (19W)	SL 125.3 (19W)
Nominal Power	9.4W	9.4W	13.5W	13.5W	18.5W	18.5W
Nominal System Lumen Output	1360 lm	1360 lm	1810 lm	1810 lm	2380 lm	2380 lm
	1430 lm	1430 lm	1905 lm	1905 lm	2505 lm	2505 lm
Nominal System Efficacy	1475 lm/W	1475 lm/W	1960 lm/W	1960 lm/W	2580 lm/W	2580 lm/W
	1490 lm/W	1490 lm/W	1980 lm/W	1980 lm/W	2605 lm/W	2605 lm/W
Nominal System Efficacy	159 lm/W	159 lm/W	147 lm/W	147 lm/W	131 lm/W	131 lm/W
	167 lm/W	167 lm/W	154 lm/W	154 lm/W	137 lm/W	137 lm/W
Nominal System Efficacy	172 lm/W	172 lm/W	159 lm/W	159 lm/W	141 lm/W	141 lm/W
	174 lm/W	174 lm/W	161 lm/W	161 lm/W	143 lm/W	143 lm/W
Model	SL 125.4 (24W)	SL 125.4 (27W)	SL 125.4 (32W)	SL 125.5 (34W)	SL 125.5 (41W)	SL 125.5 (49W)
Nominal Power	22.5W	26.5W	30.7W	34.1W	40.2W	46.5W
Nominal System Lumen Output	3185 lm	3615 lm	4010 lm	4635 lm	5210 lm	5730 lm
	3355 lm	3805 lm	4220 lm	4880 lm	5485 lm	6030 lm
Nominal System Efficacy	3455 lm/W	3915 lm/W	4345 lm/W	5025 lm/W	5645 lm/W	6210 lm/W
	3485 lm/W	3955 lm/W	4390 lm/W	5075 lm/W	5700 lm/W	6270 lm/W
Nominal System Efficacy	156 lm/W	150 lm/W	144 lm/W	150 lm/W	142 lm/W	135 lm/W
	164 lm/W	158 lm/W	151 lm/W	158 lm/W	150 lm/W	142 lm/W
Nominal System Efficacy	169 lm/W	162 lm/W	156 lm/W	162 lm/W	154 lm/W	147 lm/W
	170 lm/W	164 lm/W	158 lm/W	164 lm/W	156 lm/W	148 lm/W
Model	SL 125.5 (53W)	SL 125.6 (57W)	SL 125.6 (62W)	SL 125.8 (67W)		
Nominal Power	50W	54W	59W	63W		
Nominal System Lumen Output	6045 lm	7160 lm	7535 lm	7895 lm		
	6365 lm	7535 lm	7930 lm	8310 lm		
Nominal System Efficacy	6550 lm/W	7760 lm/W	8165 lm/W	8555 lm/W		
	6615 lm/W	7835 lm/W	8245 lm/W	8640 lm/W		
Nominal System Efficacy	131 lm/W	146 lm/W	143 lm/W	139 lm/W		
	138 lm/W	154 lm/W	150 lm/W	146 lm/W		
Nominal System Efficacy	142 lm/W	158 lm/W	155 lm/W	151 lm/W		
	143 lm/W	160 lm/W	156 lm/W	164 lm/W		
LED Driver	VS Type ECXe					
Light Source	Comfort COB					
Colour Temperature (CCT)	2700K/3000K/4000K/5700K					
Input Voltage	220-240V~50/60Hz					
Colour Rendering Index (CRI)	>80					
UGR	>12					
Luminaire Rated Life	50,000hrs (L80/B10)					
Operating Temperature	-20°C ~ +40°C					
Power Factor	≥0.95PF					
Total Harmonic Distortion	<20%					
Insulation Class	Class I					
Housing Material	Die-cast aluminium					
Ingress Protection	IP65					

## Order Reference

Model	Size	Wattage
SL 125	2A 4 9 41	
	2 5 14 49	
	3A 6 19 53	
	3 8 24 57	
		27 62
		32 67
		34

### Example :



## Order Information

Model No.	Ø(mm)	H(mm)
SL 125.2A (9W)	75	100
SL 125.2 (9W)	75	152
SL 125.2A (14W)	75	100
SL 125.2 (14W)	75	152
SL 125.3A (19W)	95	100
SL 125.3 (19W)	95	152
SL 125.4 (24W)	115	152
SL 125.4 (27W)	115	152
SL 125.4 (32W)	115	152
SL 125.5 (34W)	115	152
SL 125.5 (41W)	140	162
SL 125.5 (49W)	140	162
SL 125.5 (53W)	140	162
SL 125.6 (57W)	170	182
SL 125.6 (62W)	170	182
SL 125.8 (67W)	205	212

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

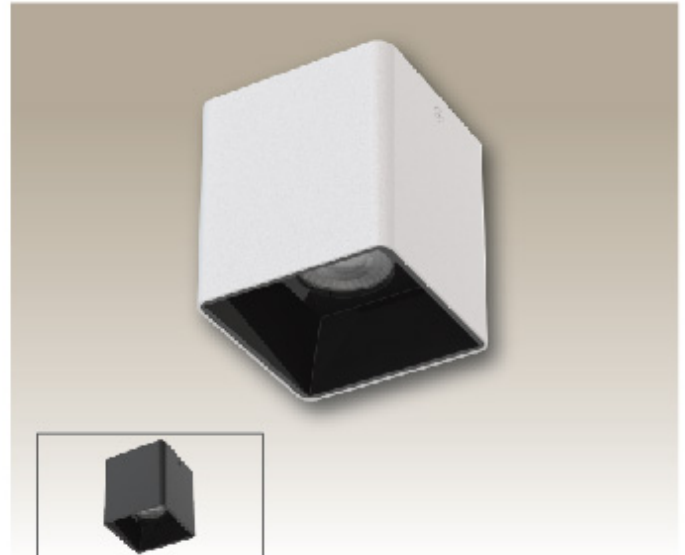


# PLUTO LED

SL 126 Spotlight Series (IP65)

## Features

Designed for surface mounted with high performance LED light source. Provides optimal light distribution and energy savings.



## Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

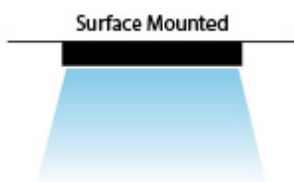
## Optics

Reflector Material	Metallized Silver, White, Black & Gold
Diffuser Material	PMMA Lens
Beam Angle	15° / 24° / 36° / 60°

## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting





## Specifications

Model	SL 126.2 (9W)	SL 126.3 (9W)	SL 126.3 (14W)	SL 126.3 (19W)	SL 126.4 (24W)
Nominal Power	9.4W	9.4W	13.5W	18.5W	23W
Nominal System Lumen Output	1360 lm	1360 lm	1810 lm	2380 lm	3185 lm
	1430 lm	1430 lm	1905 lm	2505 lm	3355 lm
	1475 lm	1475 lm	1960 lm	2580 lm	3455 lm
	1490 lm	1490 lm	1980 lm	2605 lm	3485 lm
Nominal System Efficacy	159 lm/W	159 lm/W	147 lm/W	131 lm/W	156 lm/W
	167 lm/W	167 lm/W	154 lm/W	137 lm/W	164 lm/W
	172 lm/W	172 lm/W	159 lm/W	141 lm/W	169 lm/W
	174 lm/W	174 lm/W	161 lm/W	143 lm/W	170 lm/W

Model	SL 126.4 (27W)	SL 126.4 (32W)	SL 126.4 (34W)	SL 126.5 (34W)	SL 126.5 (41W)
Nominal Power	26.5W	30.7W	34.1W	34.1W	40.2W
Nominal System Lumen Output	3615 lm	4010 lm	4635 lm	4635 lm	5210 lm
	3805 lm	4220 lm	4880 lm	4880 lm	5485 lm
	3915 lm	4345 lm	5025 lm	5025 lm	5645 lm
	3955 lm	4390 lm	5075 lm	5075 lm	5700 lm
Nominal System Efficacy	150 lm/W	144 lm/W	150 lm/W	150 lm/W	142 lm/W
	158 lm/W	151 lm/W	158 lm/W	158 lm/W	150 lm/W
	162 lm/W	156 lm/W	162 lm/W	162 lm/W	154 lm/W
	164 lm/W	158 lm/W	164 lm/W	164 lm/W	156 lm/W
LED Driver	DONE				
Light Source	Comfort COB				
Colour Temperature (CCT)	2700K/3000K/4000K/5700K				
Input Voltage	220-240V~50/60Hz				
Colour Rendering Index (CRI)	>80				
UGR	>12				
Luminaire Rated Life	50,000hrs (L80/B10)				
Operating Temperature	-20°C ~ +40°C				
Power Factor	0.95PF				
Total Harmonic Distortion	<20%				
Insulation Class	Class I				
Housing Material	Die-cast aluminium				
Ingress Protection	IP65				

## Order Reference

Model	Size	Wattage	
SL 126	2	9	27
	3	14	32
	4	19	34
	5	24	41

### Example :





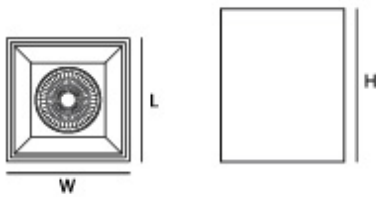
## Order Information

Model No.	W(mm)	L(mm)	H(mm)
SL 126.2 (9W)	74	74	90
SL 126.3 (9W)	92	92	100
SL 126.3 (14W)	92	92	100
SL 126.3 (19W)	92	92	100
SL 126.4 (24W)	113	113	120
SL 126.4 (27W)	113	113	120
SL 126.4 (32W)	113	113	120
SL 126.4 (34W)	113	113	120
SL 126.5 (34W)	130	130	140
SL 126.5 (41W)	130	130	140

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# PLUTO LED

## SL 272 Adjustable Spotlight Series

### Features

Designed for consistent performance and excellent light output. Adjustable lighting direction and choice of beam angles. Available in white and black finishes.



### Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

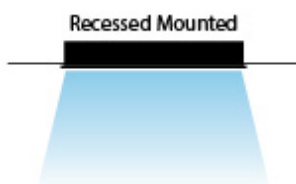
### Optics

Reflector Material	Aluminium
Diffuser Material	PMMA Lens
Beam Angle	15° / 24° / 38° / 60° degree

### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting





## Specifications

Model	SL 272.2 5W (90 x 70MM)	SL 272.2 9W (90 x 70MM)	SL 272.3 11W (114 x 95MM)	SL 272.3 14W (114 x 95MM)
Nominal Power	5 W	9 W	11 W	14 W
Nominal System Lumen Output	665 lm	1045 lm	1630 lm	1865 lm
Nominal System Efficacy	133 lm/W	116 lm/W	148 lm/W	133 lm/W
Model	SL 272.3 16W (114 x 95MM)	SL 272.4 19W (138 x 120MM)	SL 272.4 24W (138 x 120MM)	SL 272.4 27W (138 x 120MM)
Nominal Power	16 W	19 W	24 W	27 W
Nominal System Lumen Output	2090 lm	2805 lm	3280 lm	3730 lm
Nominal System Efficacy	131 lm/W	148 lm/W	137 lm/W	138 lm/W
Model	SL 272.5 34W (165 x 145MM)	SL 272.6 41W (190 x 165MM)	SL 272.6 49W (190 x 165MM)	SL 272.6 53W (190 x 165MM)
Nominal Power	34 W	41 W	49 W	53 W
Nominal System Lumen Output	4830 lm	5465 lm	6060 lm	6430 lm
Nominal System Efficacy	142 lm/W	133 lm/W	124 lm/W	121 lm/W
LED Driver	VS Type ECXe			
Light Source	Comfort COB			
Colour Temperature (CCT)	2700K/3000K/4000K/5700K			
Input Voltage	220-240V, 50/60Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L80/B10)			
Operating Temperature	-20°C ~ +40°C			
Power Factor	>0.9 PF			
Total Harmonic Distortion	<20%			
Insulation Class	Class I			
Housing Material	Die-cast Aluminium			
Ingress Protection	IP20			

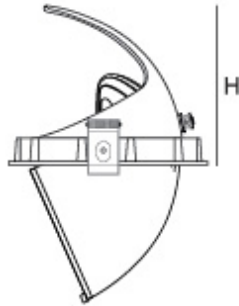
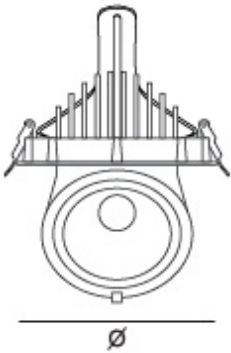
## Order Reference

Model	Size	Wattage	
SL 272	2	5	24
	3	9	27
	4	11	34
	5	14	41
	6	16	49
		19	53

### Example :



## Dimensions



SL 272.2 5W (90 x 70MM) - 75MM  
 SL 272.2 9W (90 X 70MM) - 75MM  
 SL 272.3 11W (114 X 95MM) - 100MM  
 SL 272.3 14W (114 X 95MM) - 100MM  
 SL 272.3 16W (114 X 95MM) - 100MM  
 SL 272.4 19W (138 X 120MM) - 128MM  
 SL 272.4 24W (138 X 120MM) - 128MM  
 SL 272.4 27W (138 X 120MM) - 128MM  
 SL 272.5 34W (165 X 145MM) - 155MM  
 SL 272.6 41W (190 X 165MM) - 175MM  
 SL 272.6 49W (190 X 165MM) - 175MM  
 SL 272.6 53W (190 X 165MM) - 175MM

## Order Information

Model No.	Ø(mm)	H(mm)
SL 272.2 5W (90 x 70MM)	90	70
SL 272.2 9W (90 x 70MM)	90	70
SL 272.3 11W (114 x 95MM)	114	95
SL 272.3 14W (114 x 95MM)	114	95
SL 272.3 16W (114 x 95MM)	114	95
SL 272.4 19W (138 x 120MM)	138	120
SL 272.4 24W (138 x 120MM)	138	120
SL 272.4 27W (138 x 120MM)	138	120
SL 272.5 34W (165 x 145MM)	165	145
SL 272.6 41W (190 x 165MM)	190	165
SL 272.6 49W (190 x 165MM)	190	165
SL 272.6 53W (190 x 165MM)	190	165

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

# PLUTO LED

## SL 271 Adjustable Spotlight Series

### Features

Designed for recessed mounted with high performance LED light source. Provides optimal light distribution and energy savings.



### Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

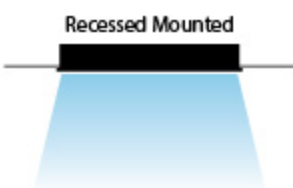
### Optics

Reflector Material	Aluminium
Diffuser Material	PMMA Lens
Beam Angle	15° / 24° / 36° degree

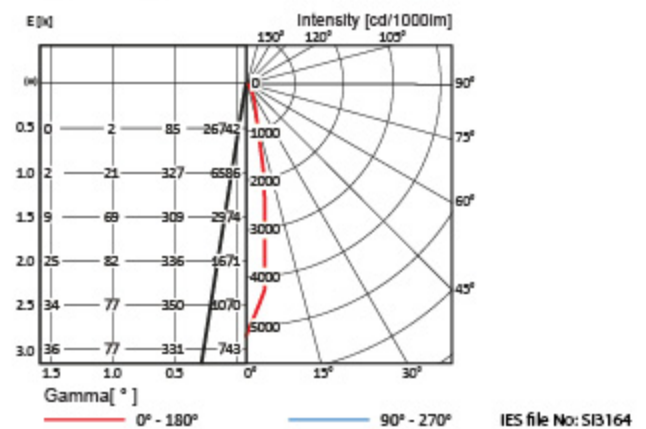
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data





## Specifications

Model	SL 271.2 (3W)	SL 271.3 (5W)	SL 271.4 (9W)
Nominal Power	3.5W	5.6W	9.4W
Nominal System Lumen Output	520 lm	750 lm	1165 lm
	545 lm	790 lm	1230 lm
Nominal System Efficacy	560 lm	815 lm	1265 lm
	565 lm	825 lm	1275 lm
Nominal System Efficacy	161 lm/W	151 lm/W	135 lm/W
	169 lm/W	159 lm/W	142 lm/W
Nominal System Efficacy	173 lm/W	164 lm/W	147 lm/W
	175 lm/W	166 lm/W	148 lm/W

Model	SL 271.4 (12W)	SL 271.5 (14W)	SL 271.5 (19W)
Nominal Power	11.5W	13.5W	18.5W
Nominal System Lumen Output	1590 lm	1810 lm	2730 lm
	1675 lm	1905 lm	2875 lm
Nominal System Efficacy	1725 lm	1960 lm	2960 lm
	1740 lm	1980 lm	2990 lm
Nominal System Efficacy	152 lm/W	147 lm/W	162 lm/W
	161 lm/W	154 lm/W	171 lm/W
Nominal System Efficacy	165 lm/W	159 lm/W	176 lm/W
	167 lm/W	161 lm/W	178 lm/W

Model	SL 271.6 (24W)	SL 271.6 (27W)	SL 271.6 (32W)
Nominal Power	22.5W	26.5W	30.7W
Nominal System Lumen Output	3185 lm	3615 lm	4010 lm
	3355 lm	3805 lm	4220 lm
Nominal System Efficacy	3455 lm	3915 lm	4345 lm
	3485 lm	3955 lm	4390 lm
Nominal System Efficacy	156 lm/W	150 lm/W	144 lm/W
	164 lm/W	158 lm/W	151 lm/W
Nominal System Efficacy	169 lm/W	162 lm/W	156 lm/W
	170 lm/W	164 lm/W	158 lm/W

LED Driver	VS Type ECXe
Light Source	Comfort COB
Colour Temperature (CCT)	2700K/3000K/4000K/5700K
Input Voltage	220-240V~50/60Hz
Colour Rendering Index (CRI)	>80
Luminaire Rated Life	50,000hrs (L80/B10)
Operating Temperature	-20°C ~ +40°C
Power Factor	>0.95PF
Total Harmonic Distortion	<20%
Insulation Class	Class I
Housing Material	Die-cast Aluminium
Ingress Protection	IP20

## Order Reference

Model	Size	Wattage	
SL 271	2	3	19
	3	5	24
	4	9	27
	5	12	32
	6	14	

### Example :



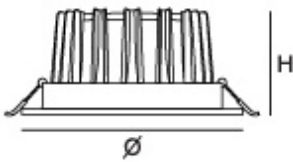
## Order Information

Model No.	Ø (mm)	H (mm)
SL 271.2 (3W)	68	36
SL 271.3 (5W)	85	40
SL 271.4 (9W)	110	57
SL 271.4 (12W)	110	57
SL 271.5 (14W)	135	71
SL 271.5 (19W)	135	71
SL 271.6 (24W)	160	75
SL 271.6 (27W)	160	75
SL 271.6 (32W)	160	75

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



SL 271.2 (3W)	- 55mm
SL 271.3 (5W)	- 75mm
SL 271.4 (9W)	- 95mm
SL 271.4 (12W)	- 95mm
SL 271.5 (14W)	- 120mm
SL 271.5 (19W)	- 120mm
SL 271.6 (24W)	- 140mm
SL 271.6 (27W)	- 140mm
SL 271.6 (32W)	- 140mm

# PLUTO LED

SL 132 / SL 133 Anti-Glare Spotlight Series (IP65)

## Features

Designed for recessed mounted with high performance LED light source. Provides optimal light distribution and energy savings.

## Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

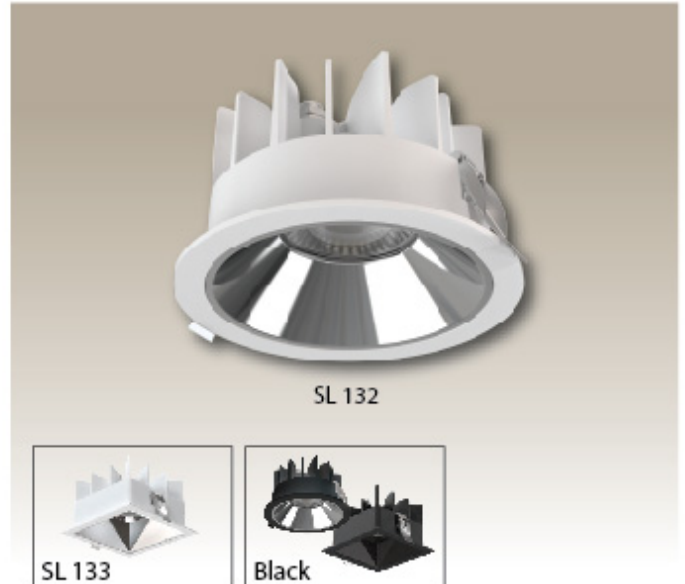
## Optics

Reflector Material	Aluminium (Silver, Black, White)
Diffuser Material	Frosted PMMA
Beam Angle	15°, 24°, 36°, 60°

## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



Range of interchangeable reflector





## Specifications

Model	SL 132.2 (5W) RD	SL 132.2 (9W) RD	SL 132.2 (11W) RD	SL 132.3 (14W) RD	SL 132.3 (19W) RD
Nominal Power	5.6W	9.4W	11.4W	13.5W	18.5W
Nominal System Lumen Output	855 lm	1360 lm	1590 lm	1810 lm	2730 lm
	900 lm	1430 lm	1675 lm	1905 lm	2875 lm
Nominal System Efficacy	925 lm	1475 lm	1725 lm	1960 lm	2960 lm
	935 lm	1490 lm	1740 lm	1980 lm	2990 lm
Nominal System Efficacy	172 lm/W	159 lm/W	152 lm/W	147 lm/W	162 lm/W
	181 lm/W	167 lm/W	161 lm/W	154 lm/W	171 lm/W
Nominal System Efficacy	186 lm/W	172 lm/W	165 lm/W	159lm/W	176 lm/W
	188 lm/W	174 lm/W	167 lm/W	161 lm/W	178 lm/W

Model	SL 132.4 (19W) RD	SL 132.4 (24W) RD	SL 132.5 (27W) RD	SL 132.5 (32W) RD	SL 132.6 (34W) RD
Nominal Power	18.5W	22.5W	26.5W	30.7W	34.1W
Nominal System Lumen Output	2730 lm	3185 lm	3615 lm	4010 lm	4635 lm
	2875 lm	3355 lm	3805 lm	4220 lm	4880 lm
Nominal System Efficacy	2960 lm	3455 lm	3915 lm	4345 lm	5025 lm
	2990 lm	3485 lm	3955 lm	4390 lm	5075 lm
Nominal System Efficacy	162 lm/W	156 lm/W	150 lm/W	144 lm/W	150 lm/W
	171 lm/W	164 lm/W	158 lm/W	151 lm/W	158 lm/W
Nominal System Efficacy	176 lm/W	169 lm/W	162 lm/W	156 lm/W	162 lm/W
	178 lm/W	170 lm/W	164 lm/W	158 lm/W	164 lm/W

Model	SL 132.6 (41W) RD	SL 132.6 (47W) RD	SL 132.8 (53W) RD	SL 132.8 (60W) RD	SL 133.2 (5W) SQ
Nominal Power	40.2W	46.5W	53W	60W	5.6W
Nominal System Lumen Output	5210 lm	5730 lm	6765 lm	7535 lm	855 lm
	5485 lm	6030 lm	7120 lm	7930 lm	900 lm
Nominal System Efficacy	5645 lm	6210 lm	7335 lm	8165 lm	925 lm
	5700 lm	6270 lm	7405 lm	8245 lm	935 lm
Nominal System Efficacy	142 lm/W	135 lm/W	150 lm/W	143 lm/W	172 lm/W
	150 lm/W	142 lm/W	157 lm/W	150 lm/W	181 lm/W
Nominal System Efficacy	154 lm/W	147 lm/W	162 lm/W	155 lm/W	186 lm/W
	156 lm/W	148 lm/W	164 lm/W	156 lm/W	188 lm/W

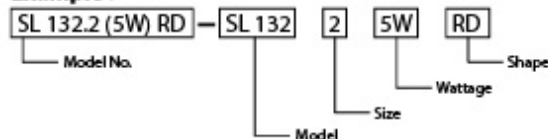
Model	SL 133.2 (9W) SQ	SL 133.2 (11W) SQ	SL 133.2 (14W) SQ	SL 133.3 (19W) SQ	SL 133.3 (24 W) SQ
Nominal Power	9.4W	11.4W	13.5W	18.5W	23W
Nominal System Lumen Output	1360 lm	1590 lm	1810 lm	2730 lm	3185 lm
	1430 lm	1675 lm	1905 lm	2875 lm	3355 lm
Nominal System Efficacy	1475 lm	1725 lm	1960 lm	2960 lm	3455 lm
	1490 lm	1740 lm	1980 lm	2990 lm	3485 lm
Nominal System Efficacy	159 lm/W	152 lm/W	147 lm/W	162 lm/W	156 lm/W
	167 lm/W	161 lm/W	154 lm/W	171 lm/W	164 lm/W
Nominal System Efficacy	172 lm/W	165 lm/W	159lm/W	176 lm/W	169 lm/W
	174 lm/W	167 lm/W	161 lm/W	178 lm/W	170 lm/W

Model	SL 133.4 (27W) SQ	SL 133.4 (32W) SQ	SL 133.4 (34W) SQ	SL 133.5 (34W) SQ	SL 133.5 (41W) SQ
Nominal Power	26.5W	30.7W	34.1W	34.1W	40.2W
Nominal System Lumen Output	3615 lm	4010 lm	4635 lm	4635 lm	5210 lm
	3805 lm	4220 lm	4880 lm	4880 lm	5485 lm
Nominal System Efficacy	3915 lm	4345 lm	5025 lm	5025 lm	5645 lm
	3955 lm	4390 lm	5075 lm	5075 lm	5700 lm
Nominal System Efficacy	150 lm/W	144 lm/W	150 lm/W	150 lm/W	142 lm/W
	158 lm/W	151 lm/W	158 lm/W	158 lm/W	150 lm/W
	162 lm/W	156 lm/W	162 lm/W	162 lm/W	154 lm/W
	164 lm/W	158 lm/W	164 lm/W	164 lm/W	156 lm/W
LED Driver	VS Type ECXe				
Light Source	Comfort COB				
Colour Temperature (CCT)	2700K/3000K/4000K/5700K				
Input Voltage	220-240V, 50/60Hz				
Colour Rendering Index (CRI)	>80				
UGR	<13				
Luminaire Rated Life	50,000hrs (L80/B10)				
Operating Temperature	-20°C ~ +40°C				
Power Factor	≥0.95PF				
Total Harmonic Distortion	<20%				
Insulation Class	Class I				
Housing Material	Die-cast Aluminium				
Ingress Protection	IP65				

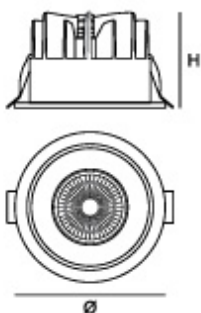
## Order Reference

Model	Size	Wattage	Size
SL 126	2	5	32 RD
	3	9	34 SQ
	4	11	41
	5	14	47
	6	19	53
	8	24	60
			27

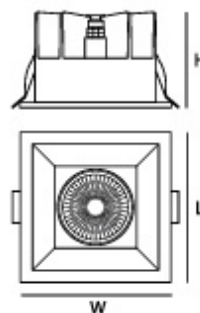
### Example :



## Dimensions



SL 132.2 (5W) RD	- 75mm
SL 132.2 (9W) RD	- 75mm
SL 132.2 (11W) RD	- 75mm
SL 132.3 (14W) RD	- 95mm
SL 132.3 (19W) RD	- 95mm
SL 132.4 (19W) RD	- 115mm
SL 132.4 (24W) RD	- 115mm
SL 132.5 (27W) RD	- 135mm
SL 132.5 (32W) RD	- 135mm
SL 132.6 (34W) RD	- 175mm
SL 132.6 (41W) RD	- 175mm
SL 132.6 (47W) RD	- 175mm
SL 132.6 (53W) RD	- 200mm
SL 132.6 (60W) RD	- 200mm



SL 133.2 (5W) SQ	- 75x75mm
SL 133.2 (9W) SQ	- 75x75mm
SL 133.2 (11W) SQ	- 75x75mm
SL 133.2 (14W) SQ	- 75x75mm
SL 133.3 (19W) SQ	- 95x95mm
SL 133.3 (24W) SQ	- 95x95mm
SL 133.4 (27W) SQ	- 115x115mm
SL 133.4 (32W) SQ	- 115x115mm
SL 133.4 (34W) SQ	- 115x115mm
SL 133.5 (34W) SQ	- 135x135mm
SL 133.5 (41W) SQ	- 135x135mm



## Order Information

Model No.	Ø/L(mm)	W(mm)	H(mm)
SL 132.2 (5W) RD	85	-	55
SL 132.2 (9W) RD	85	-	55
SL 132.2 (11W) RD	85	-	55
SL 132.3 (14W) RD	105	-	65
SL 132.3 (19W) RD	105	-	65
SL 132.4 (19W) RD	130	-	75
SL 132.4 (24W) RD	130	-	75
SL 132.5 (27W) RD	150	-	80
SL 132.5 (32W) RD	150	-	80
SL 132.6 (34W) RD	190	-	95
SL 132.6 (41W) RD	190	-	95
SL 132.6 (47W) RD	190	-	95
SL 132.8 (53W) RD	215	-	105
SL 132.8 (60W) RD	215	-	105
SL 133.2 (5W) SQ	84	84	60
SL 133.2 (9W) SQ	84	84	60
SL 133.2 (11W) SQ	84	84	60
SL 133.2 (14W) SQ	84	84	60
SL 133.3 (19W) SQ	105	105	70
SL 133.3 (24W) SQ	105	105	70
SL 133.4 (27W) SQ	129	129	80
SL 133.4 (32W) SQ	129	129	80
SL 133.4 (34W) SQ	129	129	80
SL 133.5 (34W) SQ	148	148	90
SL 133.5 (41W) SQ	148	148	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

# PLUTO LED

## SL 197 Anti-Glare Spotlight Series

### Features

Designed for recessed mounted with high performance LED light source. Provides optimal light distribution and energy savings.



### Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

### Optics

Reflector Material	Aluminium
Diffuser Pattern	Prismatic
Beam Angle	12° / 24° / 36° / 60°

Range of interchange-able reflector



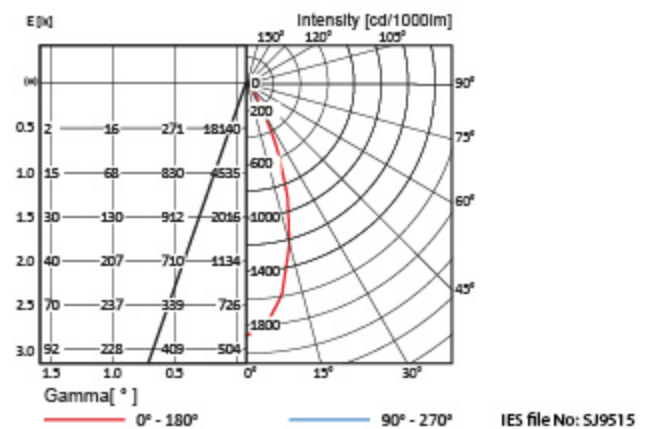
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data





## Specifications

Model	SL 197.3 (5W)	SL 197.3 (9W)	SL 197.3 (11W)	SL 197.4 (14W)
Nominal Power	5.6 W	9 W	11.5 W	14.5 W
Nominal System Lumen Output	645 lm 665 lm 670 lm	1015 lm 1045 lm 1055 lm	1585 lm 1630 lm 1645 lm	1810 lm 1865 lm 1885 lm
Nominal System Efficacy	115 lm/W 119 lm/W 120 lm/W	113 lm/W 116 lm/W 117 lm/W	138 lm/W 142 lm/W 143 lm/W	125 lm/W 129 lm/W 130 lm/W

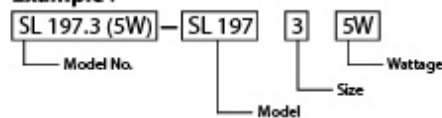
Model	SL 197.4 (19W)	SL 197.5 (27W)	SL 197.5 (32W)	SL 197.5 (34W)
Nominal Power	19.5 W	24 W	30.7 W	34.5 W
Nominal System Lumen Output	2725 lm 2805 lm 2830 lm	3185 lm 3280 lm 3315 lm	4220 lm 4345 lm 4390 lm	4690 lm 4830 lm 4875 lm
Nominal System Efficacy	140 lm/W 144 lm/W 145 lm/W	133 lm/W 137 lm/W 138 lm/W	137 lm/W 142 lm/W 143 lm/W	136 lm/W 140 lm/W 141 lm/W

LED Driver	VS Type ECXe
Light Source	Comfort COB
Colour Temperature (CCT)	3000K/4000K/5700K
Input Voltage	220-240V~50/60Hz
Colour Rendering Index (CRI)	>80
Luminaire Rated Life	50,000hrs (L80/B10)
Operating Temperature	-20°C ~ +40°C
Power Factor	>0.95PF
Total Harmonic Distortion	<20%
Insulation Class	Class I
Housing Material	Die-cast aluminium
Ingress Protection	IP20

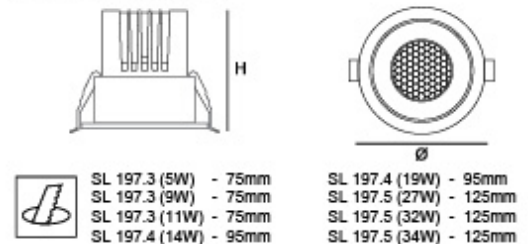
## Order Reference

Model	Size	Wattage	
SL 197	3	5	19
	4	9	27
	5	11	32
		14	34

### Example :



## Dimensions



## Order Information

Model No.	Ø(mm)	H(mm)
SL 197.3 (5W)	85	70
SL 197.3 (9W)	85	70
SL 197.3 (11W)	85	70
SL 197.4 (14W)	108	85
SL 197.4 (19W)	108	85
SL 197.5 (27W)	135	125
SL 197.5 (32W)	135	125
SL 197.5 (34W)	135	125

Note : Subject to +/- 1.5mm

\*All LED component are subject to the LED component manufacturers warranty terms and condition.

\*Other various types are available upon request.  
\*SJ Lite reserves the right to change and amend the specification without prior notice.

# PLUTO LED

## SL 713 Linear Fixed Spotlight Series

### Features

Recessed LED linear light with anti-glare features. Provides precise light distribution.

### Applications

Ideal for Office, Commercial Building, Lobby, Residential, Retails and etc.

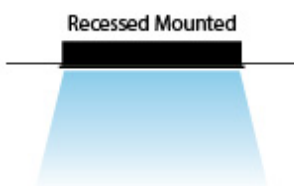
### Optics

Reflector Material	Aluminium (Dark Chrome)
Diffuser Material	PMMA Lens
Beam Angle	15° / 24° / 38° / 50° / Asymm

### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



## Specifications

Model	SL 713.1C	SL 713.3C	SL 713.4C	SL 713.5C	SL 713.9C	SL 713.10C
Nominal Power	3W	9W	12W	15W	27W	30W
Nominal System Lumen Output	240 lm	720 lm	960 lm	1200 lm	2160 lm	2400 lm
Nominal System Efficacy	80 lm/W					
LED Driver	VS Type ECXe					
Light Source	SMD LEDs					
Colour Temperature (CCT)	3000K/4000K/6000K					
Input Voltage	220-240V, 50/60Hz					
Colour Rendering Index (CRI)	>90/80					
Luminaire Rated Life	50,000hrs (L80/B10)					
Operating Temperature	-20°C ~ +40°C					
Power Factor	>0.9PF					
Total Harmonic Distortion	<20%					
Insulation Class	Class I					
Housing Material	Aluminium					
Ingress Protection	IP20					

## Order Reference

Model	Number Of Cell
SL 713	1C 5C
	3C 9C
	4C 10C



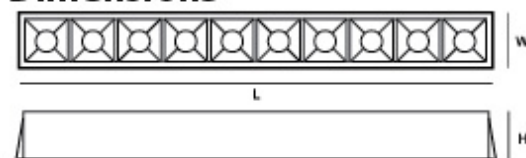
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SL 713.1C	51.5	51.5	56
SL 713.3C	127	51.5	56
SL 713.4C	90	90	56
SL 713.5C	203	51.5	56
SL 713.9C	128	128	56
SL 713.10C	393	51.5	56

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



SL 713.1C	- 43x43mm
SL 713.3C	- 120x43mm
SL 713.4C	- 82x82mm
SL 713.5C	- 196x43mm
SL 713.9C	- 120x120mm
SL 713.10C	- 386x43mm

# PLUTO LED

## SL 206 Adjustable Spotlight Series

### Features

Designed for recessed mounted with high performance LED light source. Provides optimal light distribution and energy savings.

### Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

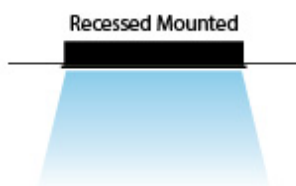
### Optics

Reflector Material	Aluminium
Diffuser Material	Clear PMMA
Beam Angle	12° / 24° / 36°

### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



SL 206.1



SL 206.2



SL 206.3



## Specifications

Model	SL 206.1 (14W)	SL 206.2 (14W)	SL 206.3 (14W)	SL 206.1 (19W)	SL 206.2 (19W)	SL 206.3 (19W)
Nominal Power	1x13.5W	2x13.5W	3x13.5W	1x18.5W	2x18.5W	3x18.5W
Nominal System	1x1810 lm	2x1810 lm	3x1810 lm	1x2730 lm	2x2730 lm	3x2730 lm
	1x1905 lm	2x1905 lm	3x1905 lm	1x2875 lm	2x2875 lm	3x2875 lm
Lumen Output	1x1960 lm	2x1960 lm	3x1960 lm	1x2960 lm	2x2960 lm	3x2960 lm
	1x1980 lm	2x1980 lm	3x1980 lm	1x2990 lm	2x2990 lm	3x2990 lm
Nominal System	147 lm/W	147 lm/W	147 lm/W	162 lm/W	162 lm/W	162 lm/W
	154 lm/W	154 lm/W	154 lm/W	171 lm/W	171 lm/W	171 lm/W
Efficacy	159 lm/W	159 lm/W	159 lm/W	176 lm/W	176 lm/W	176 lm/W
	161 lm/W	161 lm/W	161 lm/W	178 lm/W	178 lm/W	178 lm/W

Model	SL 206.1 (27W)	SL 206.2 (27W)	SL 206.3 (27W)	SL 206.1 (32W)	SL 206.2 (32W)	SL 206.3 (32W)
Nominal Power	1x26.5W	2x26.5W	3x26.5W	1x30.7W	2x30.7W	3x30.7W
Nominal System	1x3615 lm	2x3615 lm	3x3615 lm	1x4010 lm	2x4010 lm	3x4010 lm
	1x3805 lm	2x3805 lm	3x3805 lm	1x4220 lm	2x4220 lm	3x4220 lm
Lumen Output	1x3915 lm	2x3915 lm	3x3915 lm	1x4345 lm	2x4345 lm	3x4345 lm
	1x3955 lm	2x3955 lm	3x3955 lm	1x4390 lm	2x4390 lm	3x4390 lm
Nominal System	150 lm/W	150 lm/W	150 lm/W	144 lm/W	144 lm/W	144 lm/W
	158 lm/W	158 lm/W	158 lm/W	151 lm/W	151 lm/W	151 lm/W
Efficacy	162 lm/W	162 lm/W	162 lm/W	156 lm/W	156 lm/W	156 lm/W
	164 lm/W	164 lm/W	164 lm/W	158 lm/W	158 lm/W	158 lm/W

Model	SL 206.1 (41W)	SL 206.2 (41W)	SL 206.3 (41W)			
Nominal Power	1x40.2W	2x40.2W	3x40.2W			
Nominal System	1x5210 lm	2x5210 lm	3x5210 lm			
	1x5485 lm	2x5485 lm	3x5485 lm			
Lumen Output	1x5645 lm	2x5645 lm	3x5645 lm			
	1x5700 lm	2x5700 lm	3x5700 lm			
Nominal System	142 lm/W	142 lm/W	142 lm/W			
	150 lm/W	150 lm/W	150 lm/W			
Efficacy	154 lm/W	154 lm/W	154 lm/W			
	156 lm/W	156 lm/W	156 lm/W			

LED Driver	VS Type ECXe
Light Source	Comfort COB
Colour Temperature (CCT)	2700K/3000K/4000K/5700K
Input Voltage	220-240V~50/60Hz
Colour Rendering Index (CRI)	>80
Luminaire Rated Life	50,000hrs (L80/B10)
Operating Temperature	-20°C ~ +40°C
Power Factor	≥0.95PF
Total Harmonic Distortion	<20%
Insulation Class	Class I
Housing Material	Die-cast Aluminium
Ingress Protection	IP20

## Order Reference

Model	Number Of Cell	Wattage
SL 206	1	14
	2	19
	3	27
		32
		41

### Example :



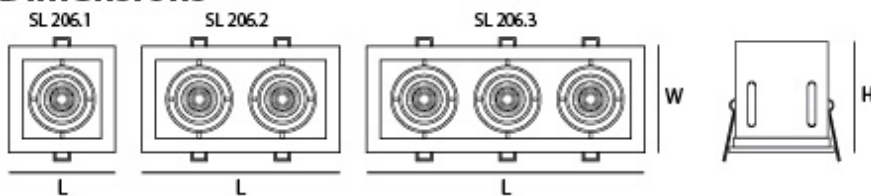
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SL 206.1 (14W)	135	135	140
SL 206.2 (14W)	237	135	140
SL 206.3 (14W)	343	135	140
SL 206.1 (19W / 27W / 32W / 41W)	185	185	230
SL 206.2 (19W / 27W / 32W / 41W)	370	185	230
SL 206.3 (19W / 27W / 32W / 41W)	505	185	230

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



SL206.1 (14W)	- 115x115mm
SL206.2 (14W)	- 215x115mm
SL206.3 (14W)	- 330x115mm
SL206.1 (19W / 27W / 32W / 41W)	- 165x165mm
SL206.2 (19W / 27W / 32W / 41W)	- 345x165mm
SL206.3 (19W / 27W / 32W / 41W)	- 485x165mm

# COMET LED

## SL 270 LED Track Spotlight Series

### Features

Adjustable track spotlight providing great flexibility to directional lighting.

### Applications

Ideal for commercial building, lobby, conventional hall, ballroom and concourse.

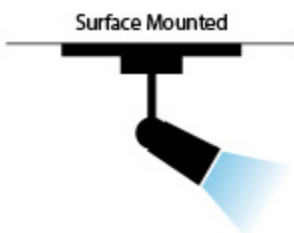
### Optics

Diffuser Material	Clear PMMA
Beam Angle	15° / 24° / 36°

### Optional Features / Accessories

Dali/1-10V Dimming Control
Track Rail - 1m/2m/3m

### Mounting





## Specifications

Model	SL 270 (5W)	SL 270 (9W)	SL 270 (14W)
Nominal Power	5.6W	9W	13.5W
Nominal System Lumen Output	855 lm	1360 lm	1810 lm
	900 lm	1430 lm	1905 lm
Lumen Output	925 lm	1475 lm	1960 lm
	935 lm	1490 lm	1980 lm
Nominal System Efficacy	172 lm/W	159 lm/W	147 lm/W
	181 lm/W	167 lm/W	154 lm/W
Efficacy	186 lm/W	172 lm/W	159 lm/W
	188 lm/W	174 lm/W	161 lm/W

Model	SL 270 (19W)	SL 270 (24W)	SL 270 (27W)
Nominal Power	18.5W	22.5W	26.5W
Nominal System Lumen Output	2730 lm	3185 lm	3615 lm
	2875 lm	3355 lm	3805 lm
Lumen Output	2960 lm	3455 lm	3915 lm
	2990 lm	3485 lm	3955 lm
Nominal System Efficacy	162 lm/W	156 lm/W	150 lm/W
	171 lm/W	164 lm/W	158 lm/W
Efficacy	176 lm/W	169 lm/W	162 lm/W
	178 lm/W	170 lm/W	164 lm/W

Model	SL 270 (34W)	SL 270 (41W)	SL 270 (49W)
Nominal Power	34.1W	40.2W	46.5W
Nominal System Lumen Output	4635 lm	5210 lm	5730 lm
	4880 lm	5485 lm	6030 lm
Lumen Output	5025 lm	5645 lm	6210 lm
	5075 lm	5700 lm	6270 lm
Nominal System Efficacy	150 lm/W	142 lm/W	135 lm/W
	158 lm/W	150 lm/W	142 lm/W
Efficacy	162 lm/W	154 lm/W	147 lm/W
	164 lm/W	156 lm/W	148 lm/W

LED Driver	VS Type ECXe
Light Source	Comfort COB
Colour Temperature (CCT)	2700K/3000K/4000K/5700K
Input Voltage	220-240V~50/60Hz
Colour Rendering Index (CRI)	>80
Luminaire Rated Life	50,000hrs (L80/B10)
Operating Temperature	-20°C ~ +40°C
Power Factor	≥0.95PF
Total Harmonic Distortion	<25%
Insulation Class	Class I
Housing Material	Die-cast Aluminium
Ingress Protection	IP20

## Order Reference

Model	Wattage	
SL 270	5	27
	9	34
	14	41
	19	49
	24	

### Example :



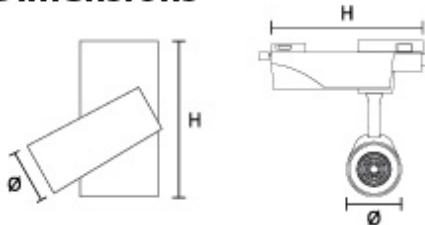
## Order Information

Model No.	Ø(mm)	H(mm)
SL 270 (5W)	50	110
SL 270 (9W)	50	110
SL 270 (14W)	50	110
SL 270 (19W)	60	140
SL 270 (24W)	60	140
SL 270 (27W)	80	160
SL 270 (34W)	80	160
SL 270 (41W)	90	170
SL 270 (49W)	90	170

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# COMET LED

## SL 265 LED Tracklight Series

### Features

Perfect for highlighting products. Choice of color temperature and beam angles. Available in white and black finishes.

### Applications

Ideal for retail shops, showroom, office, restaurants and etc.

### Optics

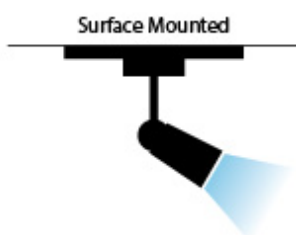
Reflector Material Aluminium Reflector

Reflector Angle 15° / 30° / 40° / 55°

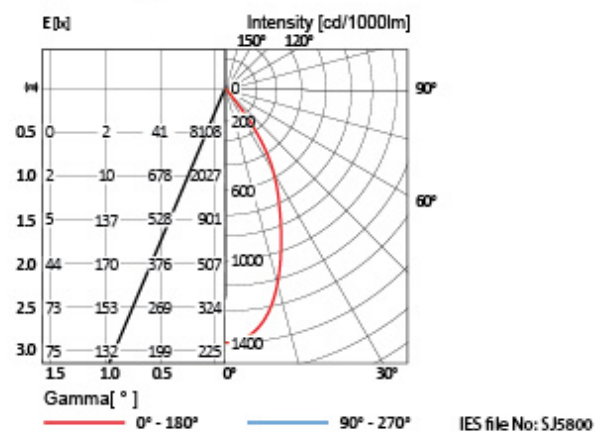
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data





## Specifications

Model	SL 265			
Nominal Power	8W	15W	22W	30W
Nominal System Lumen Output	650 lm	1250 lm	2000 lm	3000 lm
Nominal System Efficacy	81 lm/W	83 lm/W	91 lm/W	100 lm/W
LED Driver	Philips CertaDrive/Xitanium			
Light Source	Cree CXA			
Colour Temperature (CCT)	3000K/3500K/4000K			
Input Voltage	220-240V~50/60Hz			
Colour Rendering Index (CRI)	80			
Luminaire Rated Life	30,000hrs/50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Die Cast Aluminium			
Ingress Protection	IP20			

## Order Reference

Model No.	Example :
SL 265	<div style="display: inline-block; border: 1px solid black; padding: 2px;">SL 265</div> - <div style="display: inline-block; border: 1px solid black; padding: 2px;">SL 265</div> <div style="display: flex; justify-content: space-around; width: 100%; margin-top: 5px;"> <span>Model No.</span> <span>Model</span> </div>

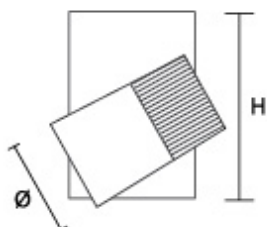
## Order Information

Model No.	Ø (mm)	H (mm)
SL 265	95	145

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# AURORAS LED

SP 105 - LED Star Panel Series

## Features

An elegant appearance directly replace the conventional grid panel with fluorescent tubes. Combine with innovative optional and mechanical design features achieve a soft and uniform light distribution. Revolutionary LENS design to offer high efficiency lighting output with lower UGR of less than 16.

## Applications

Ideal for office, conference rooms, school, retail spaces, reception areas and etc.

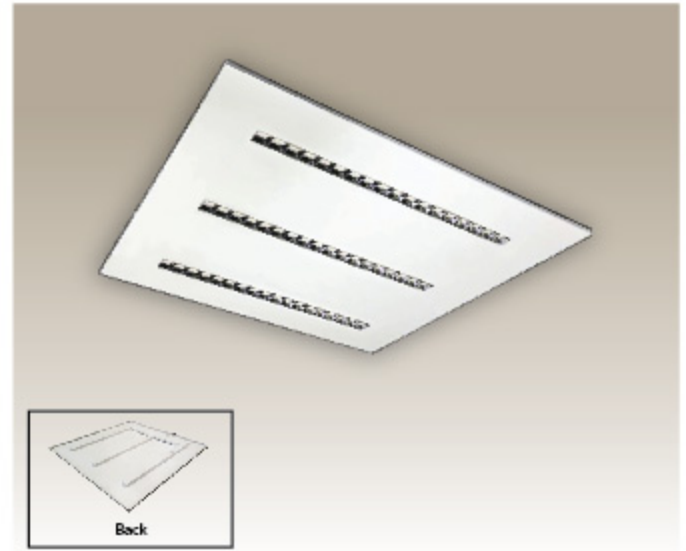
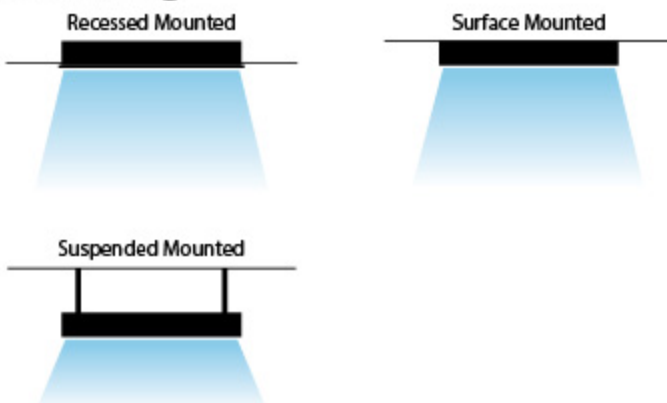
## Optics

Lens/Reflector Material	Polycarbonate
Beam Angle	60°

## Optional Features / Accessories

Dali/1-10V Dimming Control
Wood/Plaster Mounting Frame
Surface Mounting Frame
Suspension Kits

## Mounting



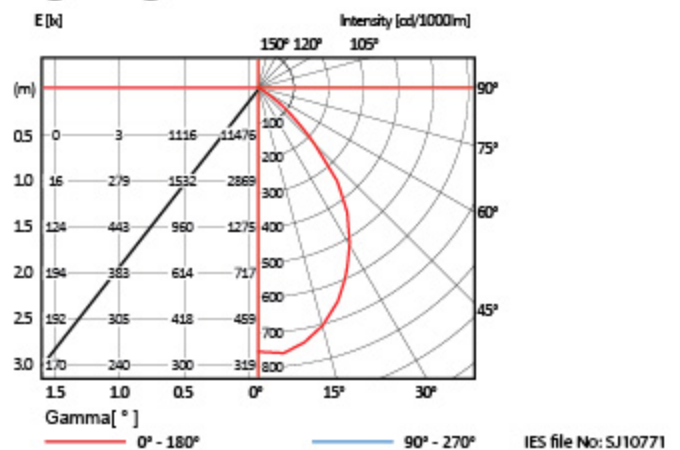
Wood / Plaster Mounting Frame

Surface Mounting Frame



Suspension Kits

## Lighting Data





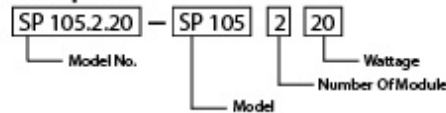
## Specifications

Model	SP 105.2.20 (2x2)	SP 105.3.30 (2x2)	SP 105.2.30 (1x4)	SP 105.2.40 (2x4)	SP 105.3.50 (2x4)	SP 105.3.60 (2x4)
Nominal Power	18W	29W	28W	37W	48W	53W
Nominal System Lumen Output	2400 lm	3700 lm	4000 lm	5300 lm	6900 lm	7500 lm
Nominal System Efficacy	133 lm/W	127 lm/W	142 lm/W	143 lm/W	143 lm/W	141 lm/W
LED Driver	Tridonic LC / Philips Xitanium					
Light Source	SMD 2835					
Colour Temperature (CCT)	3000K/4000K/6500K					
Input Voltage	220-240V, 50/60Hz					
Colour Rendering Index (CRI)	>90					
UGR	<16					
Luminaire Rated Life	50,000hrs (L70B50)					
Operating Temperature	-20°C ~ +45°C					
Power Factor	>0.9PF					
Total Harmonic Distortion	≤20%					
Insulation Class	Class II					
Housing Material	Cold Roll Steel					
Ingress Protection	IP40					
Weight	1.8 KG	2.4 KG	4.0 KG	2.2 KG	4.4 KG	4.4 KG

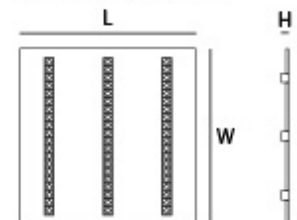
## Order Reference

Model	Number Of Module	Wattage	
SP 105	2	20	50
	3	30	60
		40	

Example :



## Dimensions



## Order Information

Model No.	Number of Module	Type	L(mm)	W(mm)	H(mm)
SP 105.2.20 (2x2)	2	Imperial	600	600	16
SP 105.3.30 (2x2)	3	Imperial	600	600	16
SP 105.2.30 (1x4)	2	Imperial	300	1210	16
SP 105.2.40 (2x4)	2	Imperial	600	1210	16
SP 105.3.50 (2x4)	3	Imperial	600	1210	16
SP 105.3.60 (2x4)	3	Imperial	600	1210	16

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

\*\* Metric size available upon request



MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# AURORAS LED

## SP 101 LED Backlit Panel Light Series

### Features

An efficient energy saving long life solution for replacing conventional fluorescent light fittings. Provide high efficient direct illumination. 30mm depth profile offer uniform distribution and deliver high lumen output. Luminous efficacy up to 100 lm/w. High quality low flicker driver. Light weight housing allow easy handling and installation.

### Applications

Ideal for offices, retail store, schools and hospital.

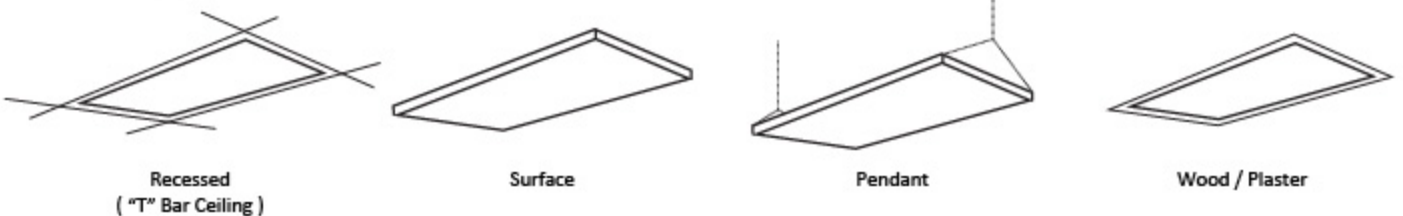
### Optics

Diffuser Material	Polystyrene
Diffuser Pattern	Frosted

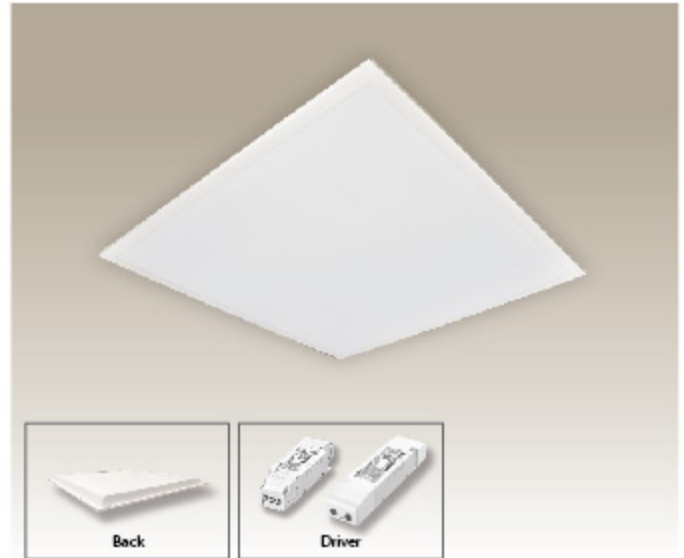
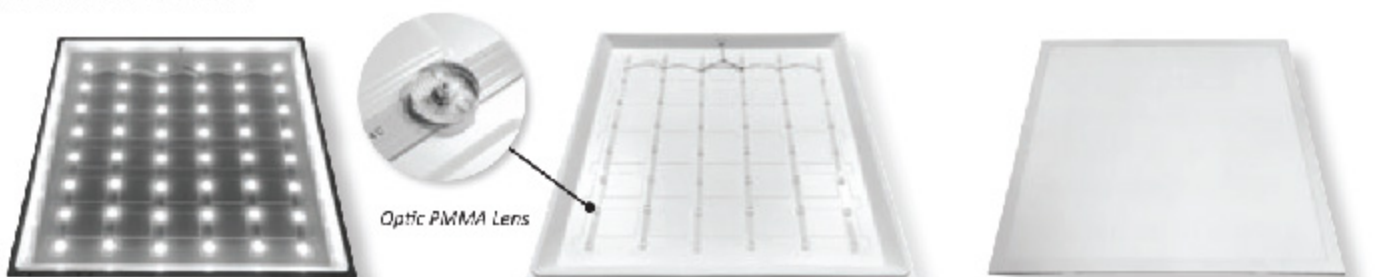
### Optional Features / Accessories

CCT switch
------------

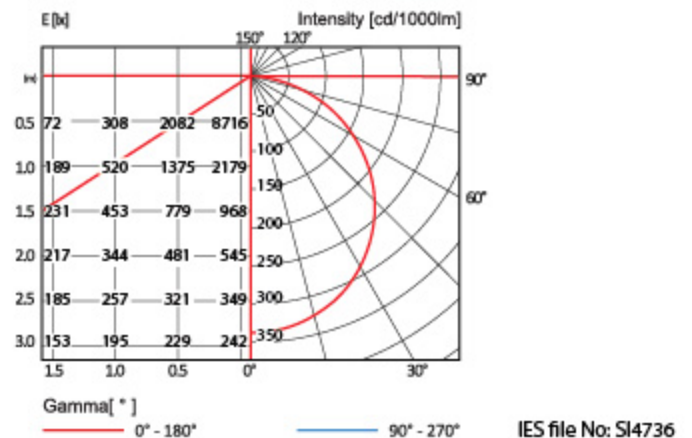
### Mounting



### Product Details



### Lighting Data



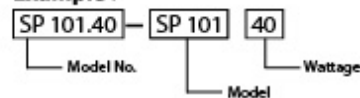
## Specifications

Model	SP 101.40 (2x2)	SP 101.40 (1x4)	SP 101.60 (2x4)	SP 101.40 (2x2)	SP 101.40 (1x4)	SP 101.60 (2x4)
Nominal Power	42W	42W	52W	36W	36W	52W
Nominal System Lumen Output	4300 lm	4300 lm	6400 lm	3700 lm	3700 lm	5800 lm
Nominal System Efficacy	102 lm/W	102 lm/W	123 lm/W	102 lm/W	102 lm/W	112 lm/W
LED Driver	Tridonic/Philips					
Light Source	SMD 2835					
Colour Temperature (CCT)	3000K/4000K/6500K					
Input Voltage	220-240V, 50/60Hz					
Colour Rendering Index (CRI)	>80					
UGR	<22			<19		
Luminaire Rated Life	50,000hrs (L70B50)					
Operating Temperature	-20°C ~ +45°C					
Power Factor	>0.9PF					
Total Harmonic Distortion	≤20%					
Insulation Class	Class II					
Housing Material	CRS & Aluminium					
Ingress Protection	IP20					
Weight	1.5 KG	1.7 KG	3.3 KG	1.5 KG	1.7 KG	3.3 KG

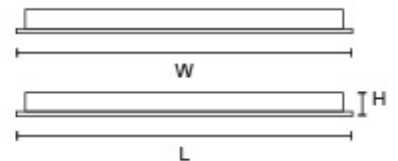
## Order Reference

Model	Wattage
SP 101	40
	60

### Example :



## Dimensions



## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SP 101.40 (2x2)	600	600	30
SP 101.40 (1x4)	1210	300	30
SP 101.60 (2x4)	1210	600	30

Note : Subject to +/- 1.5mm

\*Other various types are available upon request  
\*\* Metric size available upon request

## Accessories



Surface Mounting Frame



Pendant Mounting Suspension Kits

1x4 - 4pcs  
2x2 - 4pcs  
2x4 - 6pcs



Wood / Plaster Mounting Frame

# AURORAS LED

SWL Recessed Mounted Diffused  
LED Linear Series

## Features

Designed for recess mounting ceiling. LED double row panel lights highlighting the use of a new generation of low power and high power LED as light source. Higher transmittance with special diffusion additives. Greater diffusion with better lamp hiding.

## Applications

Ideal for hospitals, offices, retail stores, supermarkets, schools, hotels, factories, car parks and etc.

## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted

## Optional Features / Accessories

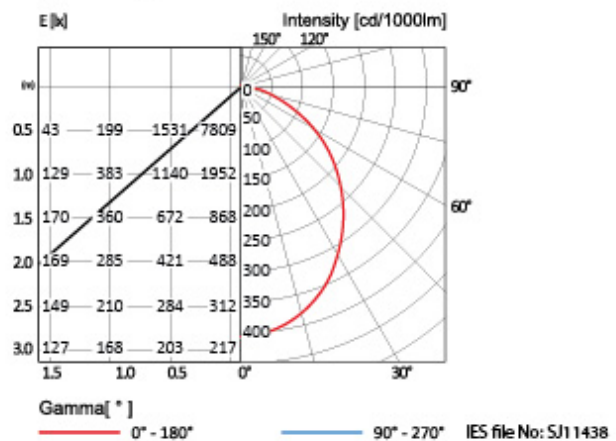
Dali/1-10V Dimming Control

## Mounting

Recessed Mounted



## Lighting Data



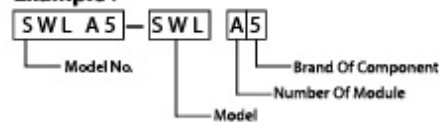
## Specifications

Model	SWL A5 (1x2)	SWL B5 (1x4)	SWL B5 (2x2)	SWL D5 (2x4)
Nominal Power	18W	34W	34W	47W
Nominal System Lumen Output	2420 lm	4960 lm	4800 lm	6380 lm
Nominal System Efficacy	134 lm/W	146 lm/W	141 lm/W	136 lm/W
LED Driver	Tridonic LC			
Light Source	Tridonic LLE			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SWL	A ( 1 module )	4 - Philips
	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SWL A5 (1x2)	595	295	37
SWL B5 (1x4)	1195	295	40
SWL B5 (2x2)	595	595	37
SWL D5 (2x4)	1195	595	40

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# AURORAS LED

SAC Recessed T-Bar Mounted - Hinged Diffused Series (HD)

## Features

Designed for exposed T-bar ceiling grid. Diffuser designed in normal hinged for either side for easy maintenance. Provided even light distribution glare control and maximum light transmission, combined with a vary low luminosity at angle approaching the horizontal surface. This range was designed to minimize glare and maximize light output and visual comfort together with a good degree of protection.

## Applications

Ideal for technical workshop, laboratories, office and supermarkets.

## Optional Features / Accessories

1-10V Dimming Control

## Mounting

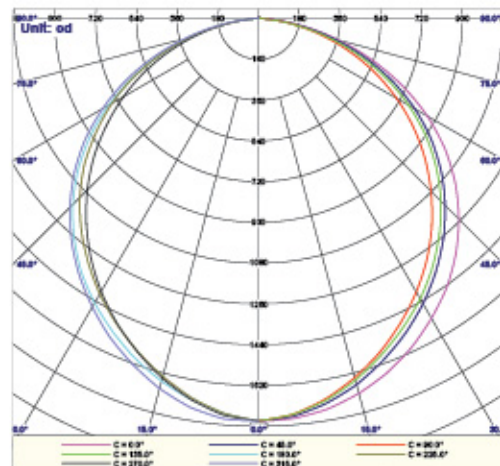


## TM5 Utilisation Factor Table

Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.68	0.87	0.74	0.78	0.87	0.92	0.96	1.00	1.03
0.70	0.30	0.20	0.48	0.59	0.67	0.72	0.81	0.88	0.90	0.98	1.00
0.70	0.10	0.20	0.43	0.53	0.61	0.67	0.78	0.82	0.88	0.92	0.98
0.60	0.60	0.20	0.64	0.84	0.71	0.77	0.84	0.88	0.92	0.98	0.99
0.60	0.30	0.20	0.47	0.58	0.66	0.71	0.78	0.84	0.87	0.93	0.98
0.60	0.10	0.20	0.42	0.52	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.50	0.60	0.20	0.63	0.82	0.69	0.74	0.81	0.85	0.88	0.92	0.96
0.50	0.30	0.20	0.47	0.57	0.64	0.69	0.78	0.81	0.85	0.89	0.92
0.50	0.10	0.20	0.42	0.52	0.59	0.65	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.58	0.62	0.69	0.74	0.78	0.82	0.85
Distribution Factors		Floor:	0.40	0.49	0.58	0.62	0.69	0.74	0.78	0.82	0.85
		Wall:	0.68	0.60	0.43	0.37	0.30	0.25	0.21	0.17	0.13
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			5	5	5	5	5	4	4	4	4

SHR Nominal = 1.25:1 SHR Maximum = 1.48:1

## Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024ED0100)



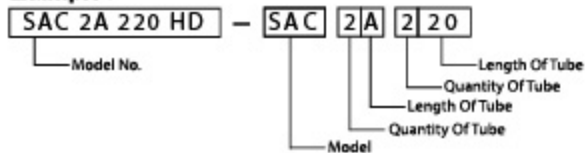
## Specifications

Model	SAC 2A 220 (HD) (1X2)	SAC 2A 220 (HD)	SAC 3A 320 (HD)	SAC 2C 240 (HD) (1X4)	SAC 2C 240 (HD)	SAC 3C 340 (HD)
Nominal Power	16W	16W	24W	28W	28W	42W
Nominal System Lumen Output	1700 lm	1654 lm	2448 lm	2808 lm	3422 lm	4934 lm
Nominal System Efficacy	106 lm/W	102 lm/W	100 lm/W	102 lm/W	120 lm/W	118 lm/W
Light Source	SJ Lite T8 LED Tube (HE)					
Colour Temperature (CCT)	3000K/4000K/6500K					
Input Voltage	240V~50Hz					
Colour Rendering Index (CRI)	>80					
Luminaire Rated Life	50,000hrs (L70B50)					
Operating Temperature	-20°C ~ +45°C					
Power Factor	>0.9PF					
Total Harmonic Distortion	≤20%					
Insulation Class	Class I					
Housing Material	Cold Roll Steel					
Ingress Protection	IP20					

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



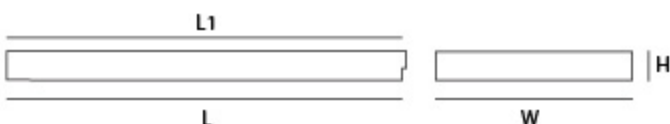
## Order Information

Model No.	No. Of Lamp	L(mm)	L1(mm)	W(mm)	H(mm)
SAC 2A 220 (HD) (1x2)	2	600	612	302	90
SAC 2A 220 (HD)	2	600	612	600	90
SAC 3A 320 (HD)	3	600	612	600	90
SAC 2C 240 (HD) (1X4)	2	1210	1222	302	90
SAC 2C 240 (HD)	2	1210	1222	600	90
SAC 3C 340 (HD)	3	1210	1222	600	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# AURORAS LED

SAC Wood/Plaster Ceiling Mounted - Hinged Diffused Series (HD)

## Features

Designed for wood ceiling mounting. Diffuser designed in normal hinged type for easy maintenance. Provided even light distribution glare control and maximum light transmission. Optional convert to IP rating type with gasket to prevent the build-up of dust and dirt.

## Applications

Ideal for technical workshop, laboratories, office and supermarkets.

## Optional Features / Accessories

1-10V Dimming Control



## TM5 Utilisation Factor Table

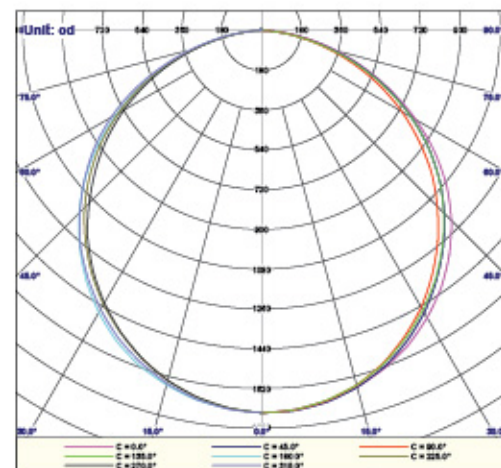
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.68	0.87	0.74	0.78	0.87	0.92	0.96	1.00	1.03
0.70	0.30	0.20	0.48	0.59	0.67	0.72	0.81	0.88	0.90	0.98	1.00
0.70	0.10	0.20	0.43	0.53	0.61	0.67	0.78	0.82	0.88	0.92	0.98
0.60	0.60	0.20	0.65	0.84	0.72	0.77	0.84	0.88	0.92	0.98	0.99
0.60	0.30	0.20	0.47	0.58	0.66	0.71	0.78	0.84	0.87	0.93	0.98
0.60	0.10	0.20	0.42	0.52	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.50	0.60	0.20	0.63	0.83	0.69	0.74	0.81	0.86	0.88	0.92	0.96
0.50	0.30	0.20	0.47	0.57	0.64	0.69	0.78	0.81	0.86	0.89	0.92
0.50	0.10	0.20	0.42	0.52	0.59	0.65	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.58	0.61	0.69	0.74	0.77	0.82	0.86
Distribution Factors		Floor:	0.40	0.49	0.58	0.61	0.69	0.74	0.77	0.82	0.86
		Wall:	0.60	0.60	0.43	0.38	0.30	0.26	0.22	0.17	0.14
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			5	5	5	5	5	5	4	4	4

SHR Nominal = 1.26:1 SHR Maximum = 1.48:1

## Mounting



## Lighting Data



Luminous intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024E0290)



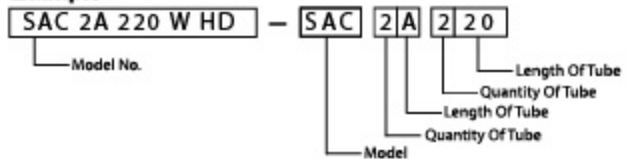
## Specifications

Model	SAC 2A 220/W (HD)	SAC 3A 320/W (HD)	SAC 2C 240/W (HD) (1X4)	SAC 2C 240/W (HD)	SAC 3C 340/W (HD)
Nominal Power	16W	24W	28W	28W	42W
Nominal System Lumen Output	1560 lm	2340 lm	2872 lm	3343 lm	4967 lm
Nominal System Efficacy	96 lm/W	96 lm/W	103 lm/W	117 lm/W	117 lm/W
Light Source	SJ Lite T8 LED Tube (HE)				
Colour Temperature (CCT)	3000K/4000K/6500K				
Input Voltage	240V~50Hz				
Colour Rendering Index (CRI)	>80				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-20°C ~ +45°C				
Power Factor	>0.9PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class I				
Housing Material	Cold Roll Steel				
Ingress Protection	IP20				

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



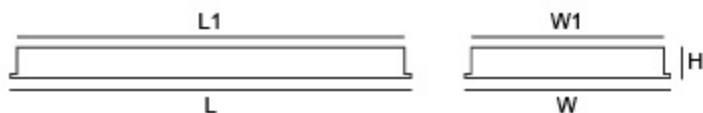
## Order Information

Model No.	No. Of Lamp	L(mm)	L1(mm)	W(mm)	W1(mm)	H(mm)
SAC 2A 220/W (HD)	2	636	610	620	571	90
SAC 3A 320/W (HD)	3	636	610	620	571	90
SAC 2C 240/W (HD) (1X4)	2	1246	1215	329	280	90
SAC 2C 240/W (HD)	2	1246	1215	620	571	90
SAC 3C 340/W (HD)	3	1246	1215	620	571	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# AURORAS LED

SAC Recessed T-Bar Mounted - Clean Room Fitting Series (IP54)

## Features

Designed for recess mounting ceiling. Diffuser designed in normal hinged type for easy maintenance. Provided even light distribution glare control and maximum light transmission. IP54 rating type with gasket to prevent the build-up of dust and dirt.

## Applications

Ideal for offices, retail stores, stores, supermarkets, schools, hotels, factories, car parks and other indoor places to use.

## Optional Features / Accessories

1-10V Dimming Control



## TM5 Utilisation Factor Table

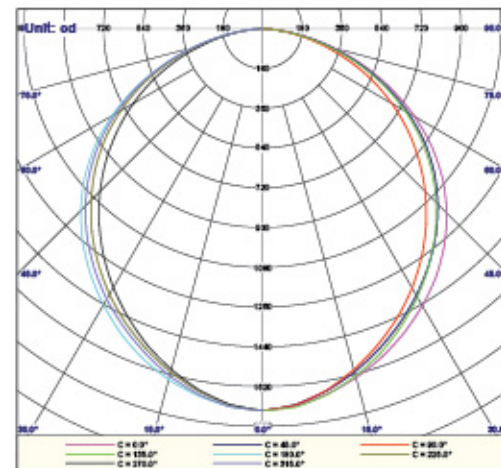
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.68	0.87	0.74	0.79	0.87	0.92	0.98	1.00	1.03
0.70	0.30	0.20	0.48	0.59	0.67	0.72	0.81	0.88	0.91	0.98	1.00
0.70	0.10	0.20	0.43	0.53	0.61	0.67	0.78	0.82	0.88	0.92	0.98
0.60	0.60	0.20	0.65	0.85	0.72	0.77	0.84	0.88	0.92	0.98	0.99
0.60	0.30	0.20	0.48	0.58	0.66	0.71	0.78	0.84	0.88	0.93	0.98
0.60	0.10	0.20	0.42	0.53	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.50	0.60	0.20	0.63	0.83	0.69	0.74	0.81	0.85	0.88	0.92	0.95
0.50	0.30	0.20	0.47	0.57	0.64	0.69	0.78	0.81	0.85	0.90	0.93
0.50	0.10	0.20	0.42	0.52	0.59	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.58	0.62	0.69	0.74	0.78	0.83	0.88
Distribution Factors		Floor:	0.40	0.49	0.58	0.62	0.69	0.74	0.78	0.83	0.88
		Wall:	0.60	0.60	0.43	0.38	0.30	0.25	0.22	0.17	0.14
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			5	5	5	5	5	5	4	4	4

SHR Nominal = 1.26:1 SHR Maximum = 1.48:1

## Mounting



## Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024ED0183)



## Specifications

Model	SAC 2A 220 CRF (1X2)(IP54)	SAC 2A 220 CRF (IP54)	SAC 3A 320 CRF (1X4) (IP54)	SAC 4A 420 CRF (IP54)
Nominal Power	16W	16W	24W	32W
Nominal System Lumen Output	1360 lm	1632 lm	2414 lm	2753 lm
Nominal System Efficacy	85 lm/W	100 lm/W	98 lm/W	85 lm/W

Model	SAC 2C 240 CRF (1X4)(IP54)	SAC 2C 240 CRF (IP54)	SAC 3C 340 CRF (IP54)	SAC 4C 440 CRF (IP54)
Nominal Power	28W	28W	42W	56W
Nominal System Lumen Output	2722 lm	3302 lm	4791 lm	8400 lm
Nominal System Efficacy	96 lm/W	116 lm/W	113 lm/W	150 lm/W

Light Source	SJ Lite T8 LED Tube (HE)			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP54			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



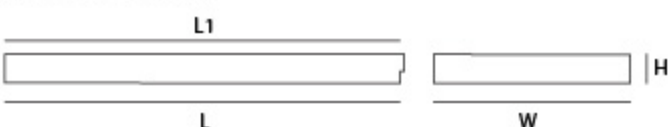
## Order Information

Model No.	No. Of Lamp	L(mm)	L1(mm)	W(mm)	H(mm)
SAC 2A 220 CRF (1X2)(IP54)	2	600	612	302	90
SAC 2A 220 CRF (IP54)	2	600	612	600	90
SAC 3A 320 CRF (IP54)	3	600	612	600	90
SAC 4A 420 CRF (IP54)	4	600	612	600	90
SAC 2C 240 CRF (1X4) (IP54)	2	1210	1222	302	90
SAC 2C 240 CRF (IP54)	2	1210	1222	600	90
SAC 3C 340 CRF (IP54)	3	1210	1222	600	90
SAC 4C 440 CRF (IP54)	4	1210	1222	600	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





MS IEC 60598-1  
MS IEC 60598-2-1  
PS008202



# AURORAS LED

SAC Surface Mounted - Clean Room Fitting Series (IP54)

## Features

Designed for direct mounting ceiling. Diffuser designed in normal hinged type for easy maintenance. Provided even light distribution glare control and maximum light transmission. IP54 rating type with gasket to prevent the build-up of dust and dirt.

## Applications

Ideal for technical workshop, laboratories, office and supermarkets.

## Optional Features / Accessories

1-10V Dimming Control

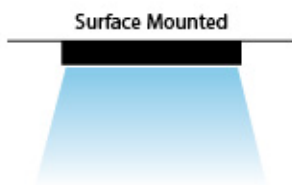


## TM5 Utilisation Factor Table

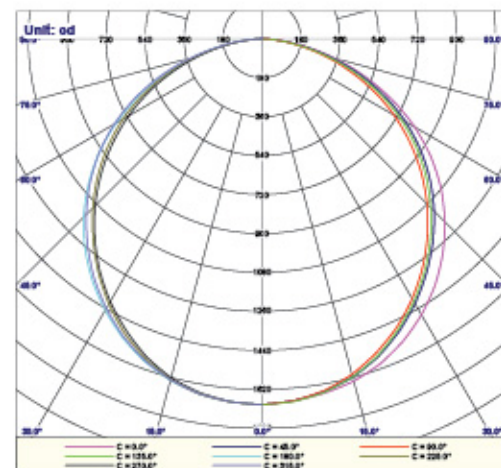
Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.68	0.87	0.74	0.79	0.87	0.92	0.96	1.00	1.03
0.70	0.30	0.20	0.48	0.69	0.67	0.72	0.81	0.88	0.90	0.98	1.00
0.70	0.10	0.20	0.43	0.63	0.61	0.67	0.76	0.82	0.88	0.92	0.98
0.60	0.60	0.20	0.64	0.84	0.72	0.77	0.84	0.88	0.92	0.98	0.98
0.60	0.30	0.20	0.47	0.68	0.66	0.71	0.78	0.84	0.88	0.93	0.98
0.60	0.10	0.20	0.42	0.62	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.50	0.60	0.20	0.63	0.83	0.69	0.74	0.81	0.86	0.88	0.92	0.96
0.50	0.30	0.20	0.47	0.67	0.64	0.69	0.76	0.81	0.85	0.90	0.93
0.50	0.10	0.20	0.42	0.62	0.60	0.66	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.66	0.62	0.69	0.74	0.78	0.82	0.88
Distribution Factors		Floor:	0.40	0.49	0.66	0.62	0.69	0.74	0.78	0.82	0.88
		Wall:	0.60	0.60	0.43	0.38	0.31	0.28	0.22	0.17	0.14
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			5	5	5	5	5	5	5	4	4

SHR Nominal = 1.26:1 SHR Maximum = 1.48:1

## Mounting



## Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024E0206)



## Specifications

Model	SAC 2A 220/S CRF (1X2)(IP54)	SAC 2A 220/S CRF (IP54)	SAC 3A 320/S CRF (IP54)	SAC 4A 420/S CRF (IP54)
Nominal Power	16W	16W	24W	32W
Nominal System Lumen Output	1631 lm	1631 lm	2377 lm	4400 lm
Nominal System Efficacy	100 lm/W	100 lm/W	98 lm/W	138 lm/W

Model	SAC 2C 240/S CRF (1X4)(IP54)	SAC 2C 240/S CRF (IP54)	SAC 3C 340/S CRF (IP54)	SAC 4C 440/S CRF (IP54)
Nominal Power	28W	28W	42W	56W
Nominal System Lumen Output	2622 lm	3310 lm	4854 lm	8400 lm
Nominal System Efficacy	94 lm/W	119 lm/W	117 lm/W	150 lm/W

Light Source	SJ Lite T8 LED Tube (HE)			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP54			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SAC 2A 220/S CRF (1X2)(IP54)	2	612	302	90
SAC 2A 220/S CRF (IP54)	2	612	598	90
SAC 3A 320/S CRF (IP54)	3	612	598	90
SAC 4A 420/S CRF (IP54)	4	612	598	90
SAC 2C 240/S CRF (1X4) (IP54)	2	1222	302	90
SAC 2C 240/S CRF (IP54)	2	1222	600	90
SAC 3C 340/S CRF (IP54)	3	1222	600	90
SAC 4C 440/S CRF (IP54)	4	1222	612	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



\*All LED component are subject to the LED component manufacturers warranty terms and condition.



MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# AURORAS LED

SAC Wood/Plaster Ceiling Mounted -  
Clean Room Fitting Series (IP54)

## Features

Designed for wood ceiling mounting. Diffuser designed in normal hinged type for easy maintenance. Provided even light distribution glare control and maximum light transmission. IP54 rating type with gasket to prevent the build-up of dust and dirt.

## Applications

Ideal for technical workshop, laboratories, office and supermarkets.

## Optional Features / Accessories

1-10V Dimming Control

## Mounting

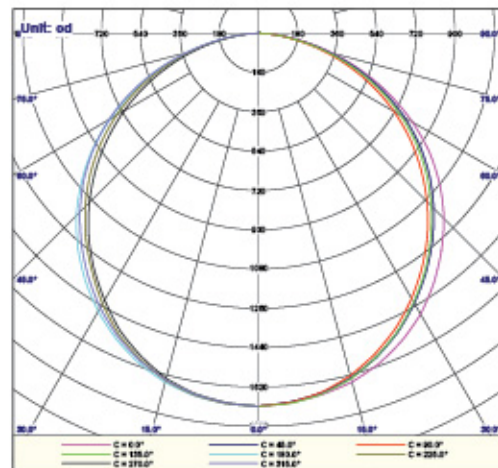


## TM5 Utilisation Factor Table

Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.68	0.87	0.74	0.79	0.87	0.92	0.96	1.00	1.03
0.70	0.30	0.20	0.48	0.59	0.67	0.72	0.81	0.88	0.90	0.98	1.00
0.70	0.10	0.20	0.43	0.53	0.61	0.67	0.75	0.82	0.88	0.92	0.98
0.60	0.60	0.20	0.64	0.84	0.71	0.77	0.84	0.88	0.92	0.98	0.99
0.60	0.30	0.20	0.47	0.58	0.66	0.71	0.78	0.84	0.88	0.93	0.98
0.60	0.10	0.20	0.42	0.52	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.50	0.60	0.20	0.63	0.82	0.69	0.74	0.81	0.85	0.88	0.92	0.96
0.50	0.30	0.20	0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.92
0.50	0.10	0.20	0.42	0.52	0.59	0.65	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.58	0.61	0.69	0.74	0.78	0.82	0.85
Distribution Factors		Floor:	0.40	0.49	0.58	0.61	0.69	0.74	0.78	0.82	0.85
		Wall:	0.60	0.60	0.43	0.38	0.31	0.28	0.22	0.17	0.14
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			5	5	5	5	5	5	5	4	4

SHR Nominal = 1.26:1 SHR Maximum = 1.48:1

## Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024ED0106)



## Specifications

Model	SAC 2A 220/W CRF (1X2) (IP54)	SAC 2A 220/W CRF (IP54)	SAC 3A 320/W CRF (IP54)
Nominal Power	16W	16W	24W
Nominal System Lumen Output	1362 lm	1643 lm	2393 lm
Nominal System Efficacy	86 lm/W	100 lm/W	98 lm/W

Model	SAC 2C 240/W CRF (1X4) (IP54)	SAC 2C 240/W CRF (IP54)	SAC 3C 340/W CRF (IP54)
Nominal Power	28W	28W	42W
Nominal System Lumen Output	2675 lm	3331 lm	4904 lm
Nominal System Efficacy	96 lm/W	119 lm/W	117 lm/W

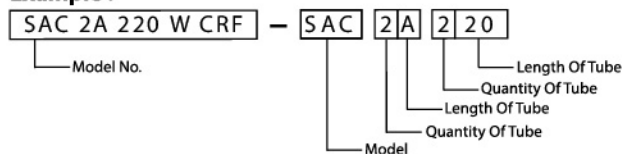
  

Light Source	SJ Lite T8 LED Tube (HE)		
Colour Temperature (CCT)	3000K/4000K/6500K		
Input Voltage	240V~50Hz		
Colour Rendering Index (CRI)	>80		
Luminaire Rated Life	50,000hrs (L70B50)		
Operating Temperature	-20°C ~ +45°C		
Power Factor	>0.9PF		
Total Harmonic Distortion	≤20%		
Insulation Class	Class I		
Housing Material	Cold Roll Steel		
Ingress Protection	IP54		

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



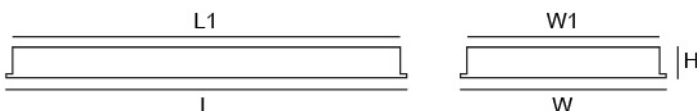
## Order Information

Model No.	No. Of Lamp	L(mm)	L1(mm)	W(mm)	W1(mm)	H(mm)
SAC 2A 220/W CRF (1X2) (IP54)	2	628	612	321	302	90
SAC 2A 220/W CRF (IP54)	2	640	628	624	605	90
SAC 3A 320/W CRF (IP54)	3	640	628	624	605	90
SAC 2C 240/W CRF (1X4) (IP54)	2	1254	1222	334	300	90
SAC 2C 240/W CRF (IP54)	2	1256	1222	629	598	90
SAC 3C 340/W CRF (IP54)	3	1256	1222	629	598	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# AURORAS LED

SLR Recessed Mounted LED Linear Louvre Series

## Features

The LED Panel Light delivers premium LED performance with directional luminance control (360°) glare control. Its is rare that an architecturally inspired range of luminaires for recessed.



## Applications

Ideal for hospital, offices, retail stores, supermarkets, schools, hotels, factories, car parks and other indoor application.

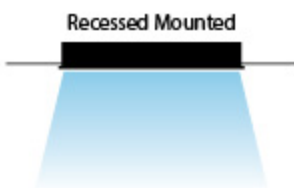
## Optics

Diffuser Material	PMMA
Diffuser Pattern	LED Opal
Louvre Material	White Paint Anodised Aluminium

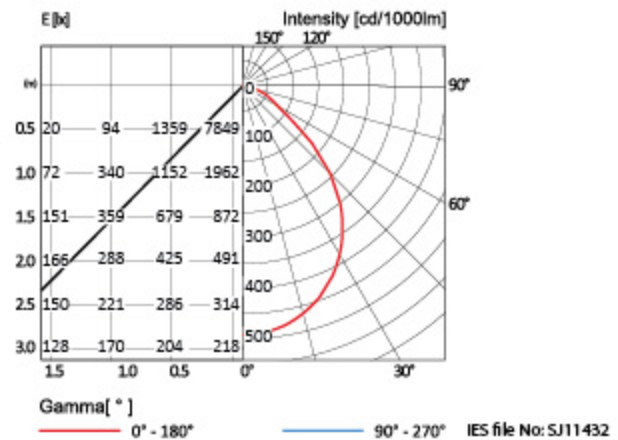
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data





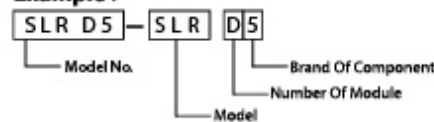
## Specifications

Model	SLR D5 MM (1X4)	SLR D5 (2X2)
Nominal Power	24W	31W
Nominal System Lumen Output	3190 lm	3980 lm
Nominal System Efficacy	133 lm/W	128 lm/W
LED Driver	Tridonic LC	
Light Source	Tridonic LLE	
Colour Temperature (CCT)	3000K/4000K/6500K	
Input Voltage	240V~50Hz	
Colour Rendering Index (CRI)	>80	
Luminaire Rated Life	50,000hrs (L70B50)	
Operating Temperature	-20°C ~ +45°C	
Power Factor	>0.9PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Cold Roll Steel	
Ingress Protection	IP20	

## Order Reference

Model	Number Of Module	Brand Of Component
SLR	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



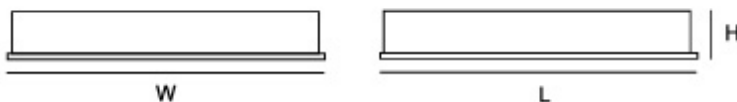
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SLR D5 MM (1x4)	1195	295	105
SLR D5 (2x2)	605	605	105

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# AURORAS LED

SDL Recessed Mounted LED Linear Louvre Series

## Features

Designed for recess mounting ceiling. LED louvre panel lights highlighting the use of a new generation of low power and high power LED as light source. Good control of luminance with design cut off angle of 60°.



## Applications

Ideal for offices, retail stores, supermarkets, schools, hotels, factories, car parks and etc.

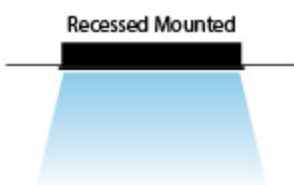
## Optics

Diffuser Material	PMMA
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular Cross Blade

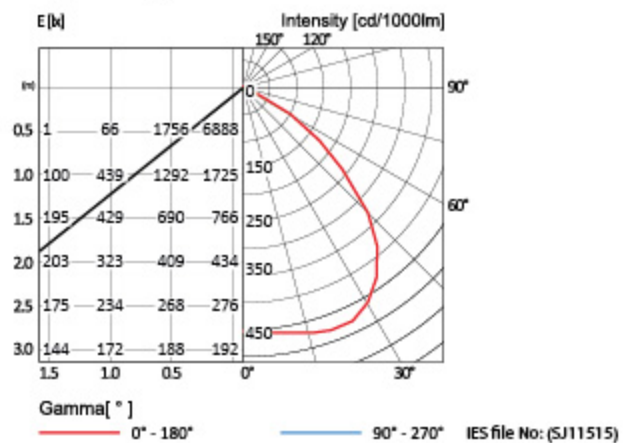
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data



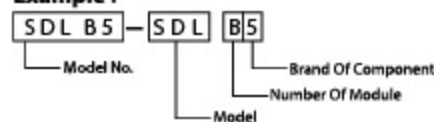
## Specifications

Model	SDL B5 (2X2)	
Nominal Power	24.5W	34W
Nominal System Lumen Output	2920 lm	3830 lm
Nominal System Efficacy	119 lm/W	113 lm/W
LED Driver	Tridonic LC	
Light Source	Tridonic LLE	
Colour Temperature (CCT)	3000K/4000K/6500K	
Input Voltage	240V~50Hz	
Colour Rendering Index (CRI)	>80	
Luminaire Rated Life	50,000hrs (L70B50)	
Operating Temperature	-20°C ~ +45°C	
Power Factor	>0.9PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Cold Roll Steel	
Ingress Protection	IP20	

## Order Reference

Model	Number Of Module	Brand Of Component
SDL	A ( 1 module ) B ( 2 modules ) C ( 3 modules ) D ( 4 modules )	4 - Philips 5 - Tridonic 7 - Osram

### Example :



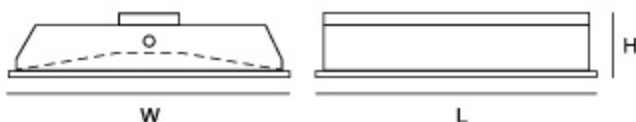
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SDL B5 (2x2)	595	595	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# AURORAS LED

SGI/SFD Recessed Mounted LED  
Linear Diffused Series

## Features

Designed for recess mounting ceiling. LED direct and indirect panel lights diffuser, highlighting the use of a new generation of low power and high power LED as light source. Higher transmittance with special diffusion additives. Greater diffusion with better lamp hiding.

## Applications

Ideal for offices, retail stores, supermarkets, schools, hotels, factories, car parks and etc.

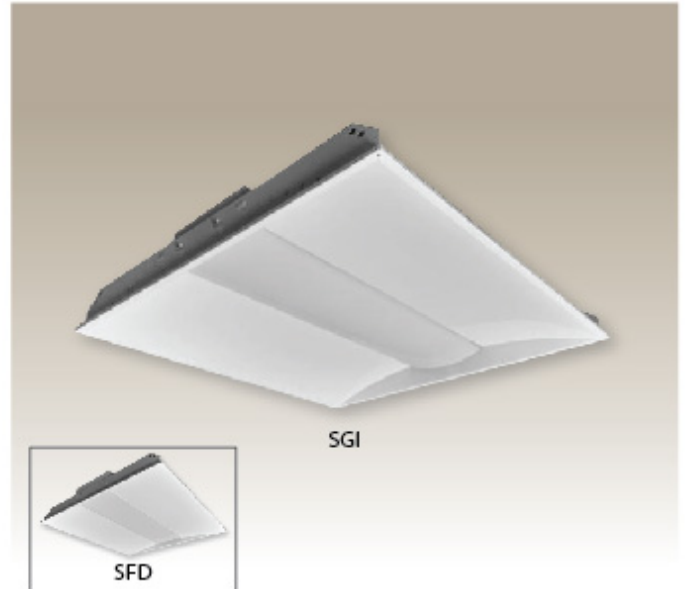
## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted

## Optional Features / Accessories

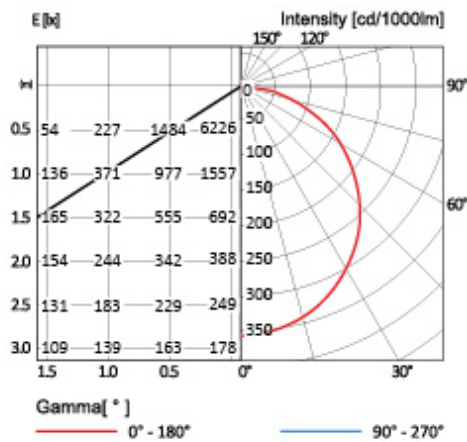
Dali/1-10V Dimming Control

## Mounting

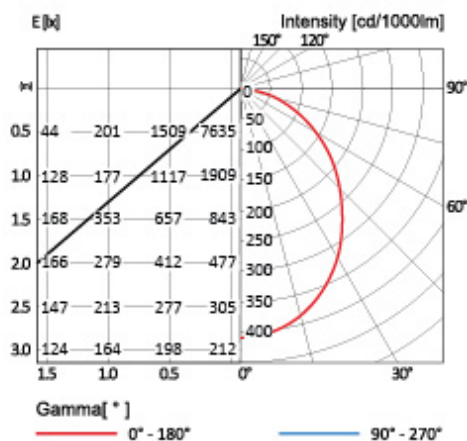


## Lighting Data

### SGI B5 (2X2)



### SFD B5 (2X2)



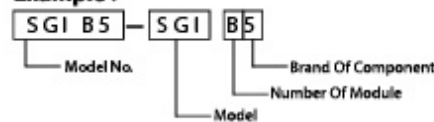
## Specifications

Model	SGI B5 (2x2)		SFD B5 (2x2)	
Nominal Power	23W	33W	24W	34W
Nominal System Lumen Output	3260 lm	4370 lm	3530 lm	4670 lm
Nominal System Efficacy	142 lm/W	132 lm/W	147 lm/W	137 lm/W
LED Driver	Tridonic LC			
Light Source	Tridonic LLE			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SGI	A ( 1 module )	4 - Philips
SFD	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SGI B5 (2x2)	595	595	92
SFD B5 (2x2)	595	595	95

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions

### SGI



### SFD



# AURORAS LED

SGP/SFM Recessed Mounted LED  
Linear Diffused Series

## Features

Designed for recess mounting ceiling. LED double row panel lights with diffuser, highlighting the use of a new generation of low power and high power LED as light source. Higher transmittance with special diffusion additives. Greater diffusion with better lamp hiding.

## Applications

Ideal for offices, retail stores, supermarkets, schools, hotels, factories, car parks and etc.

## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted

## Optional Features / Accessories

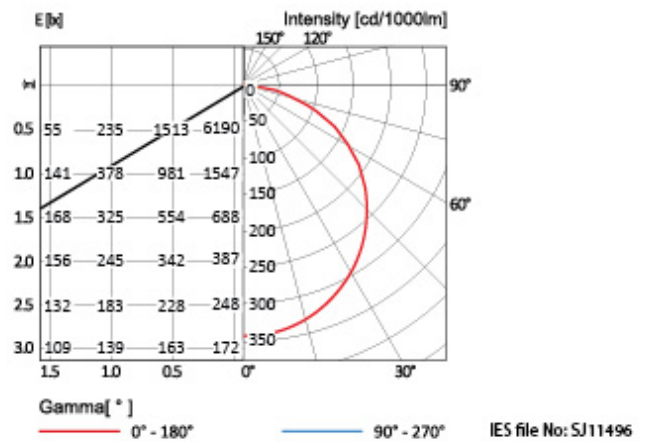
Dali/1-10V Dimming Control

## Mounting

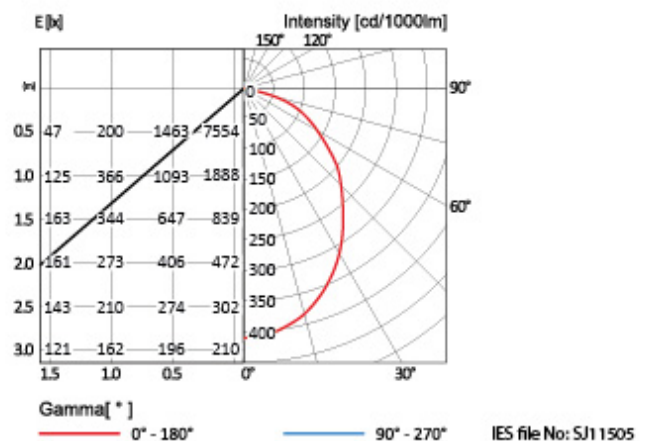


## Lighting Data

### SGP B5 (2X2)



### SFM B5 (2X2)



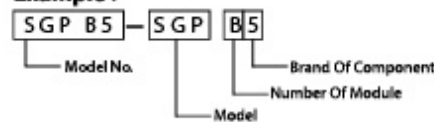
## Specifications

Model	SGP B5 (2x2)		SFM B5 (2x2)	
Nominal Power	24W	34W	23W	34W
Nominal System Lumen Output	3400 lm	4510 lm	2250 lm	3250 lm
Nominal System Efficacy	142 lm/W	133 lm/W	98 lm/W	96 lm/W
LED Driver	Tridonic LC			
Light Source	Tridonic LLE			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SGP	A ( 1 module )	4 - Philips
SFM	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SGP B5 (2x2)	600	600	50
SFM B5 (2x2)	595	595	68

Note : Subject to +/- 1.5mm

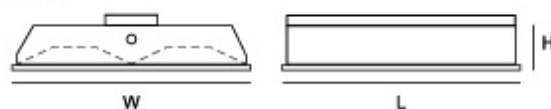
\*Other various types are available upon request

## Dimensions

### SGP



### SFM



# URANUS LED

## SL 422 LED Linear Highbay Series

### Features

Powerful LED light source with a unique design. Extruded aluminium housing act as heat sink. Precise control of light distribution.

### Applications

Ideal for manufacturing plants, multi-purpose halls, industrial areas and warehouses.

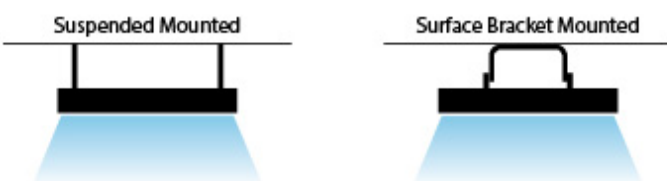
### Optics

Lens Material	Polycarbonate
Beam Angle	60°, 90°, 40x90°

### Optional Features / Accessories

Dali/1-10V Dimming Control / Motion Sensor
Steel Wire Rope
Yoke Mount Bracket

### Mounting



\* This luminaires should be mounted in a sheltered areas to ensure optimal functionality.



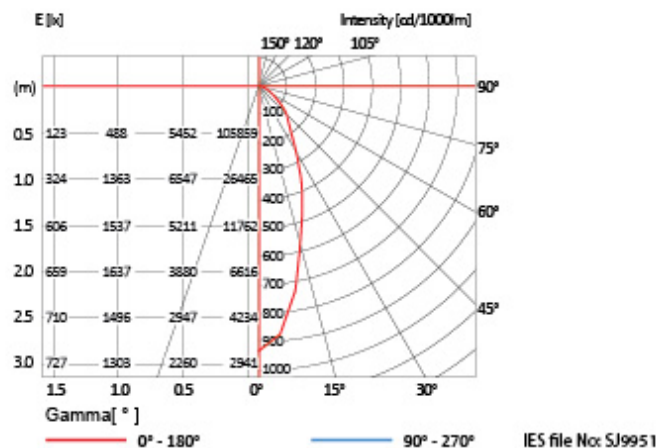
100W/150W/200W



300W



### Lighting Data



## Specifications

Model	SL 422.100	SL 422.150	SL 422.200	SL 422.300
Nominal Power	100W	150W	200W	300W
Nominal System Lumen Output	13000 lm	19500 lm	26000 lm	39000 lm
Nominal System Efficacy	130 lm/W			
LED Driver	Meanwell/Inventronics			
Light Source	LUMILEDS			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	100-240V~50/60Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-25°C ~ +40°C			
Power Factor	>0.95PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Extruded Aluminium			
Ingress Protection	IP65			
Impact Protection	IK08			
Weight	3.2 KG	4.4 KG	5.4 KG	8.6 KG

## Order Reference

Model	Wattage
SL 422	100
	150
	200
	300

Example :



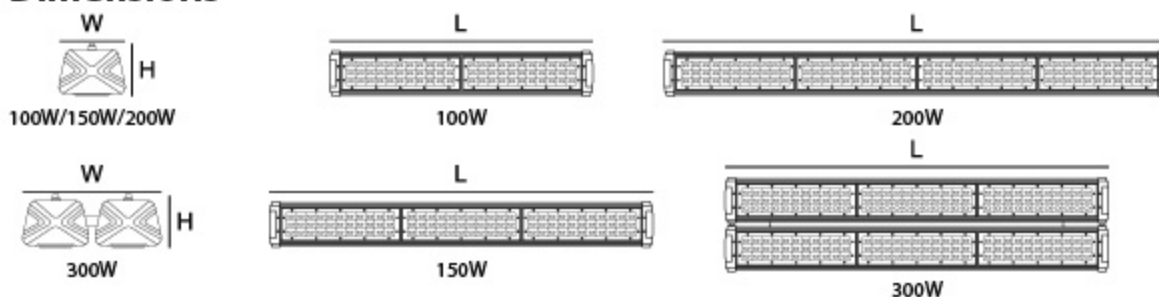
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SL 422.100	704	118	98
SL 422.150	1026	118	98
SL 422.200	1348	118	98
SL 422.300	1026	248	98

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# URANUS LED

## SLT Linear Highbay Series

### Features

LED lamps control configuration of 2 row & 3 row to match conventional type metal halide fixtures. Easy mounting options from direct ceiling, rigid suspension rod or flexible chain mounting. Precise control of light distribution at high mounting height with large coverage area and every light distribution.



### Applications

Ideal for manufacturing plants, sports halls, industrial areas, warehouses and etc.

### Optics

Reflector Material	White Paint Anodised Aluminium
Beam Angle	120°

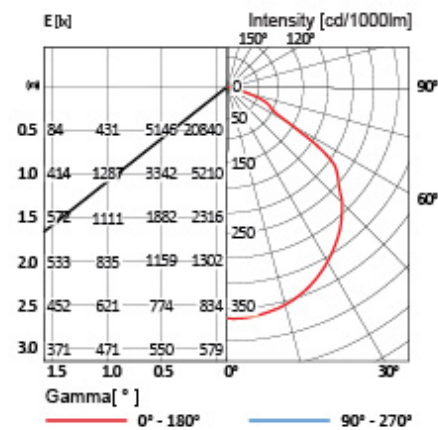
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



IES file No: SJ5864

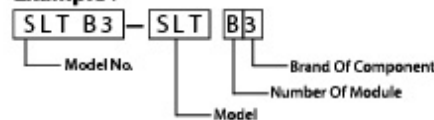
## Specifications

Model	SLT B3 (1x2)	SLT D3 (1x4)	SLT F3 (1x4)	SLT D5 (1x4)
Nominal Power	49W	97W	149W	99W
Nominal System Lumen Output	7100 lm	14150 lm	21750 lm	15670 lm
Nominal System Efficacy	145 lm/W	146 lm/W	146 lm/W	158 lm/W
LED Driver	Xitanium/Philips			Tridonic
Light Source	Fortimo			Tridonic
Colour Temperature (CCT)	4000K/6500K			
Input Voltage	220V~50Hz			
Colour Rendering Index (CRI)	80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	0.95PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Number Of Module	Brand Of Component
SLT	A ( 1 module )	3 - Xitanium
	B ( 2 modules )	4 - Philips
	C ( 3 modules )	5 - Tridonic
	D ( 4 modules )	7 - Osram
	E ( 5 modules )	
	F ( 6 modules )	

### Example :



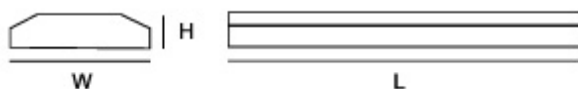
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SLT B3 (1x2)	595	185	70
SLT D3 (1x4)	1175	185	70
SLT F3 (1x4)	1175	250	70
SLT D5 (1x4)	1180	185	70

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# URANUS LED

## SL 423 Highbay Series

### Features

The unique designed LED UFO Highbay offers maximum durability and reliability. It features field-selectable wattage and CCT, making it adaptable for a wide range of applications.

### Applications

Ideal for supermarket, factories, warehouse and etc.

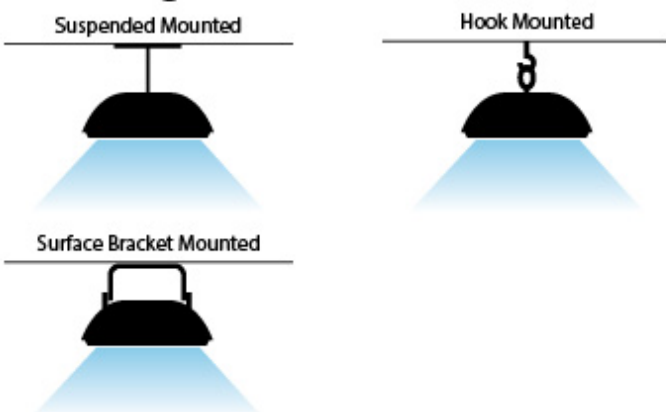
### Optics

Material	PC optical lens
Beam Angle	90°x90°

### Optional Features / Accessories

Dali/1-10V Dimming Control
Suspension Mounting Kit
Stainless Steel Spring Hook
Surface Mounting Bracket
Safety Chain

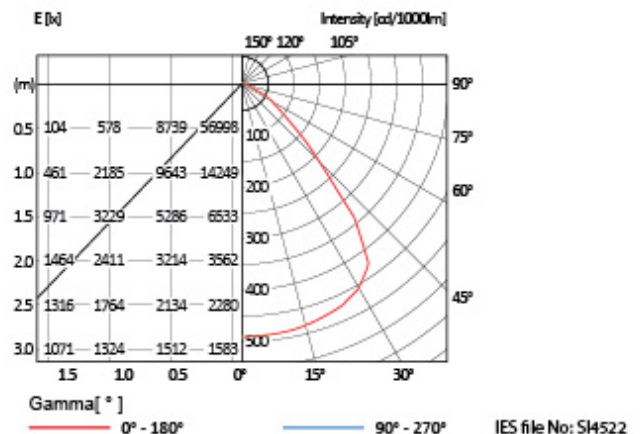
### Mounting



### Accessories Option




### Lighting Data



## Specifications

Model	SL 423	
Nominal Power	100W/150W/200W	
Nominal System Lumen Output	14,000 lm/21,000 lm/28,000 lm	14,500 lm/21,750 lm/29,000 lm
Nominal System Efficacy	140 lm/W	145 lm/W
LED Driver	SOSEN	
Light Source	SMD 2835	
Colour Temperature (CCT)	3000K	4000K/6500K
Input Voltage	220-240V ~ 50/60Hz	
Colour Rendering Index (CRI)	>80	
Luminaire Rated Life	50,000hrs	
Operating Temperature	-20°C~+50°C	
Power Factor	>0.95PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Die Cast Aluminum	
Ingress Protection	IP65	
Impact Protection	IK09	

## Order Reference

Model	Example :
SL 423	

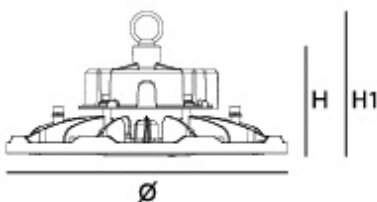
## Order Information

Model No.	Ø (mm)	H (mm)	H1 (mm)
SL 423	300	110	154

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-1  
IEC 60598-2-1  
PC013660



# URANUS LED

## SL 407 Highbay HE Series

### Features

An energy saving replacement for traditional highbay luminaires. Provide excellent lumen output, long lasting stability and splendid sight. Using High-end LED driver with long lifespan.

### Applications

Ideal for manufacturing plant, multi-purpose halls, Industrial areas and warehouses.

### Optics

Material	Clear Tempered Glass
Beam Angle	120°

### Optional Features / Accessories

Dali/1-10V Dimming Control
Motion Sensor, Photo Cell
IoT Smart Lighting Control
Beam Angle : 45°/60°/90°

### Mounting



### Heat Radiator

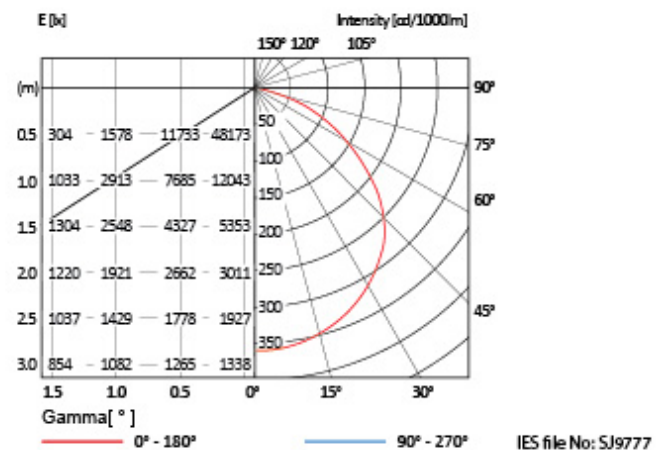


Unique thermal design, stable product performance.



Utilize high permeability tempered glass, providing the best lumen output of the luminaire.

### Lighting Data



## Specifications

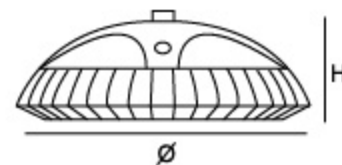
Model	SL 407.100	SL 407.150	SL 407.200
Nominal Power	98W	145W	198W
Nominal System Lumen Output	16000 lm	23000 lm	33000 lm
Nominal System Efficacy	163 lm/W	159 lm/W	167 lm/W
LED Driver	Mean Well		
Light Source	Lumileds 3030		
Colour Temperature (CCT)	3000K/4000K/6500K		
Input Voltage	220-240V~50/60Hz		
Colour Rendering Index (CRI)	>80		
Luminaire Rated Life	50,000hrs (L70B50)		
Operating Temperature	-20°C~+45°C		
Power Factor	0.95PF		
Total Harmonic Distortion	≤20%		
Insulation Class	Class I		
Housing Material	Die Cast Aluminum		
Ingress Protection	IP65		
Impact Protection	IK08		
Weight	5 KG	5 KG	7.7 KG

## Order Reference

Model	Wattage
SL 407	100
	150
	200



## Dimensions



## Order Information

Model No.	Ø (mm)	H(mm)
SL 407.100	360	135
SL 407.150	360	135
SL 407.200	420	150

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Accessories (Optional)



Motion Sensor



60° PC Lampshade  
\*\* Only for 50-150W

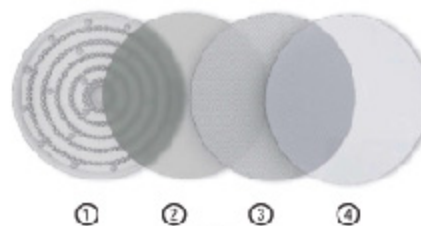


70° Aluminum Reflector



90° Aluminum Reflector

## Clear polycarbonate LED Diffuser (Optional)



1. 45° or 90° lens for 50-150W  
60° or 90° lens 180-230W
2. Frosted tempered glass diffuser
3. PC Diffuser
4. Clear tempered glass diffuser



180° rotatable bracket, applied to surface mounted, sidewall mounted



IEC 60598-2-1  
IEC 60598-1  
PC013474



# URANUS LED

## SL 418 Highbay Series

### Features

Fin aluminium heat dissipation shell coated with polyester powders with high resistance to atmospheric agents and corrosion with mid beam symmetric light distribution. An energy saving replacement for traditional highbay luminaires. Offers longer service lifetime and less maintenance.

### Applications

Ideal for supermarket, factories, warehouse and etc.

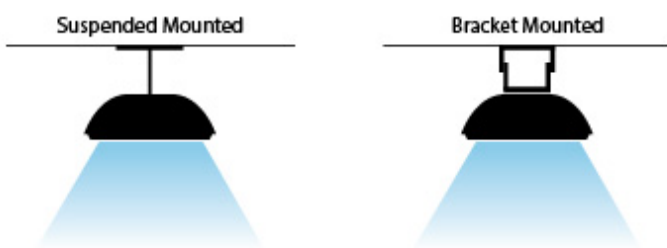
### Optics

Material	Polycarbonate / Clear
Beam Angle	120°

### Optional Features / Accessories

Dali/0-10V Dimming Control
Surface Mounting Bracket
Beam Angle : 60°/90°
Emergency LED Driver with Built-in Lithium Battery
Motion Sensor

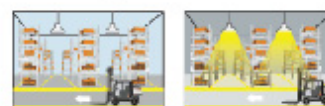
### Mounting



**Heat Radiator**  
Unique thermal design, stable product performance.



**Surface Mounting Bracket**  
(Optional)

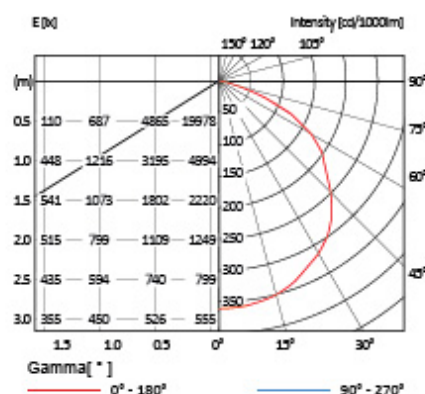


**Motion Sensor**  
(Optional)



**Emergency LED Driver**  
(Optional)

### Lighting Data



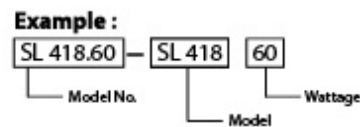
IES file No: S13896

## Specifications

Model	SL 418.60	SL 418.100	SL 418.150	SL 418.200	SL 418.240
Nominal Power	60W	100W	150W	200W	240W
Nominal System Lumen Output	7800 lm	13500 lm	21000 lm	28000 lm	39600 lm
Nominal System Efficacy	130 lm/W	135 lm/W	140 lm/W	140 lm/W	165 lm/W
LED Driver	Lifud				
Light Source	Lumileds SMD 2835				
Colour Temperature (CCT)	4000K/5000K/5700K/6500K				
Input Voltage	240V~50Hz				
Colour Rendering Index (CRI)	>80				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-20°C~+45°C				
Power Factor	0.9PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class I				
Housing Material	Die Cast Aluminum				
Ingress Protection	IP65				
Impact Protection	IK08				
Weight	1.4 KG	1.6 KG	1.9 KG	2.3 KG	3.8 KG

## Order Reference

Model	Wattage
SL 418	60
	100
	150
	200
	240



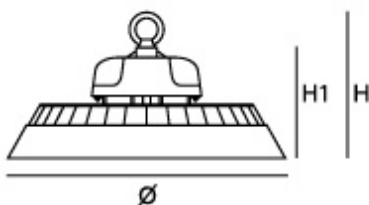
## Order Information

Model No.	Ø (mm)	H1(mm)	H(mm)
SL 418.60	230	99	122
SL 418.100	270	133	183
SL 418.150	330	143	193
SL 418.200	380	153	203
SL 418.240	380	153	203

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# VENUS LED

SL 413 / SL 414 Lowbay Series

## Features

Design with shielding angle for better glare control. LED lamps control configuration to match conventional type metal halide fixtures output from 250W-400W. Easy mounting option from direct ceiling, rigid suspension rod or flexible chain mounting.

## Applications

Ideal for petrol stations, bus stations, train stations, drive-through restaurants, convenience stores, parking garages and industrial lighting applications.

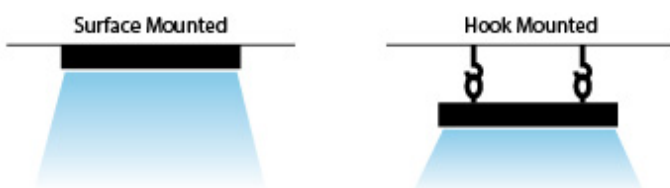
## Optics

Optical Lens      Beam angle 60°/90°

## Optional Features / Accessories

Dali/1-10V Dimming Control

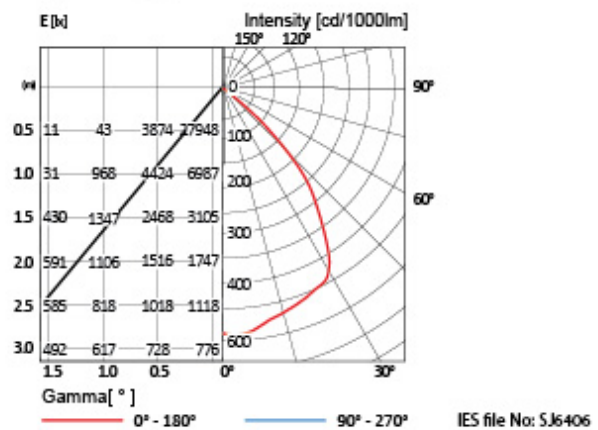
## Mounting



## TM5 Utilization Factors

Utilization factors			Room Index									
Room reflection												
C	W	F	0.75	1	1.25	1.5	2	2.5	3	4	5	
0.7	0.5	0.2	84	90	94	98	102	104	106	108	110	
	0.3		79	85	90	94	98	101	103	106	108	
0.5	0.1	0.2	76	82	87	91	95	99	101	104	106	
	0.5		82	88	92	95	99	101	103	105	106	
0.3	0.1	0.2	78	84	89	92	96	99	100	103	104	
	0.3		75	81	86	89	94	96	98	101	103	
0.3	0.5	0.2	81	89	90	93	96	98	99	101	102	
	0.3		78	83	87	90	94	96	98	100	101	
0.0	0.1	0.0	75	81	85	88	92	94	96	98	100	
	0.0		73	79	83	85	89	91	92	94	95	
			SHR NOM=1.50			SHR MAX=1.52			SHR MAX			
						TR=1.64						

## Lighting Data

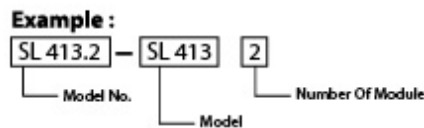


## Specifications

Model	SL 413.2	SL 413.3	SL 414.2	SL 414.3
Nominal Power	89W	130W	89W	130W
Nominal System Lumen Output	11840 lm	18000 lm	12132 lm	18500 lm
Nominal System Efficacy	133 lm/W	138 lm/W	136 lm/W	142 lm/W
LED Driver	Philips Xitanium			
Light Source	Philips Fortimo FastFlex			
Colour Temperature (CCT)	3000K/4000K/5700K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.95PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP65 (Lamp and gear compartment)			

## Order Reference

Model	Number Of Module
SL 413	2
SL 414	3



## Order Information

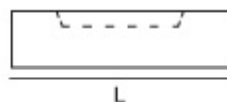
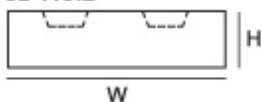
Model No.	L(mm)	W(mm)	H(mm)
SL 413.2	365	365	95
SL 413.3	365	365	148
SL 414.2	365	365	70
SL 414.3	365	365	118

Note : Subject to +/- 1.5mm

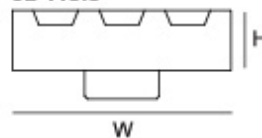
\*Other various types are available upon request.

## Dimensions

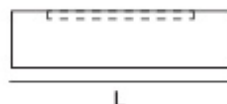
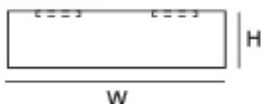
SL 413.2



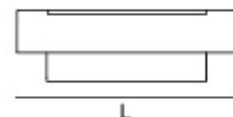
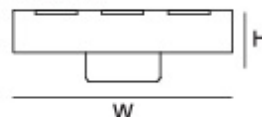
SL 413.3



SL 414.2



SL 414.3



# VENUS LED

SL 415 / SL 416 Lowbay Series

## Features

LED lamps control configuration to match conventional type metal halide fixtures output from 250W-400W. Easy mounting option from direct ceiling, rigid suspension rod or flexible chain mounting. Design with shielding angle for better glare control.

## Applications

Ideal for petrol stations, bus stations, train stations, drive-through restaurants, convenience stores, parking garages and industrial lighting applications.

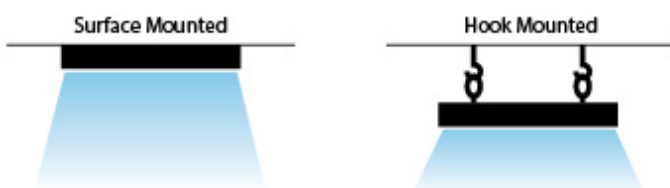
## Optics

Optical Lens      Beam angle 60°/90°

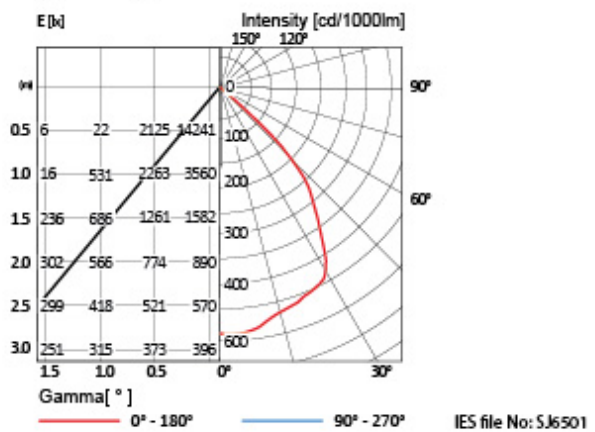
## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting



## Lighting Data





## Specifications

Model	SL 415	SL 416
Nominal Power	47W	47W
Nominal System Lumen Output	6150 lm	6320 lm
Nominal System Efficacy	131 lm/W	135 lm/W
LED Driver	Philips Xitanium	
Light Source	Philips Fortimo FastFlex	
Colour Temperature (CCT)	3000K/4000K/5700K	
Input Voltage	240V~50Hz	
Colour Rendering Index (CRI)	80	
Luminaire Rated Life	50,000hrs (L70B50)	
Operating Temperature	-20°C ~ +45°C	
Power Factor	0.95PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Cold Roll Steel	
Ingress Protection	IP65 (Lamp and gear compartment)	

## Order Reference

Model No.	Example :
SL 415	SL 415 - SL 415
SL 416	Model No. Model

## Order Information

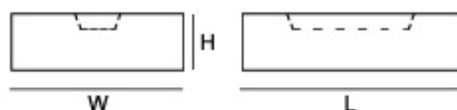
Model No.	L(mm)	W(mm)	H(mm)
SL 415	445	215	95
SL 416	445	215	70

Note : Subject to +/- 1.5mm

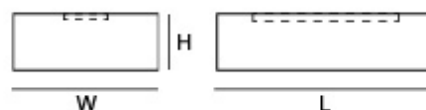
\*Other various types are available upon request.

## Dimensions

SL 415



SL 416





IEC 60598-2-5  
IEC 60598-1  
PC015815



# NEPTUNE LED

## SL 311 Floodlight Series

### Features

Design with slim profile and equipped with advanced asymmetric optics. High efficacy of up to 150 lm/W ensures powerful performance. It delivers precise and efficient illumination across a wide range of outdoor application.

### Applications

Ideal for recreational sports, exhibition center, shopping mall, stadium, accent lighting & parking lots.

### Optics

Material	Polycarbonate Optical Lens, Glass Cover
Beam Angle	55 x 125°

### Optional Features / Accessories

Dali/1-10V Dimming Control
Pole Mounting Adaptor
Outrigger Mounting Bracket
Clamp Mount Bracket
Beam Angle : 60°/26 x 60°/25°

### Mounting



Bracket Mounted



Pole Mounted



Back

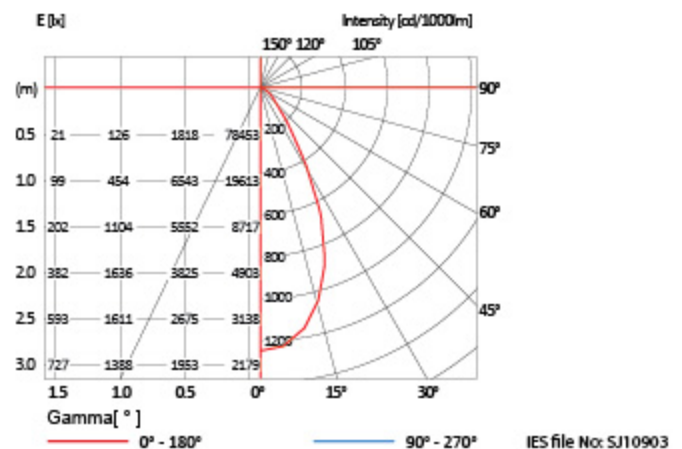


Microwave Sensor (Optional)



Breather Valve

### Lighting Data



## Specifications

Model	SL 311.50	SL 311.100	SL 311.150	SL 311.200	SL 311.240	SL 311.300
Nominal Power	50W	100W	150W	200W	240W	300W
Nominal System Lumen Output	7500 lm	15000 lm	22500 lm	30000 lm	36000 lm	45000 lm
Nominal System Efficacy	150 lm/W					
LED Driver	LIFUD / DONE / SOSEN					
Light Source	Lumileds					
Colour Temperature (CCT)	3000K/4000K/6500K					
Input Voltage	220-240V~50/60Hz					
Colour Rendering Index (CRI)	>80					
Luminaire Rated Life	50,000hrs (L90B10@25°C) & 100,000hrs (L80B20@25°C)					
Operating Temperature	-30°C ~ +45°C					
Power Factor	>0.95PF					
Total Harmonic Distortion	≤20%					
Insulation Class	Class I					
Housing Material	Aluminium Alloy, Steel Plate					
Ingress Protection	IP66					
Impact Protection	IK08					
Weight	1.9 KG	2.8 KG	3.9 KG	5.2 KG	6.3 KG	6.4 KG

## Order Reference

Model	Wattage	
SL 311	50	200
	100	240
	150	300



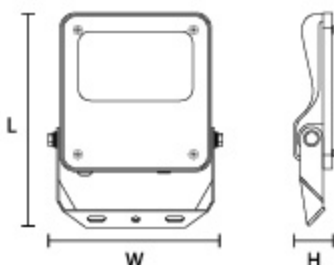
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SL 311.50	292	245	55
SL 311.50A	292	245	55
SL 311.100	353	287	65
SL 311.150	392	319	70
SL 311.200	447	359	75
SL 311.240	495	419	75
SL 311.300	495	419	75

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# NEPTUNE LED

## SL 301 Floodlight Series

### Features

LED floodlight with symmetric light distribution. An energy-saving replacement for traditional floodlight. Die cast aluminium shell coated with polyester powders. High resistance to atmospheric layers and corrosion. Offers longer service lifetime and less maintenance.



### Applications

Ideal for buildings, advertising boards, parks, plaza, dock and greenwood.

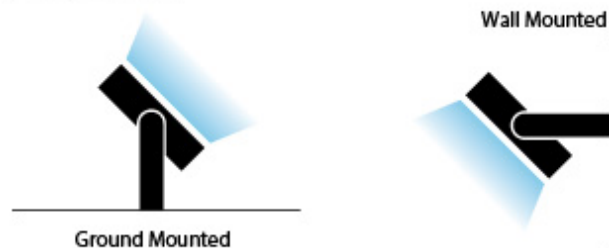
### Optics

Cover Material	Tempered Glass
Optical Lens	Beam Angle 60° Beam Angle 75° * 135°

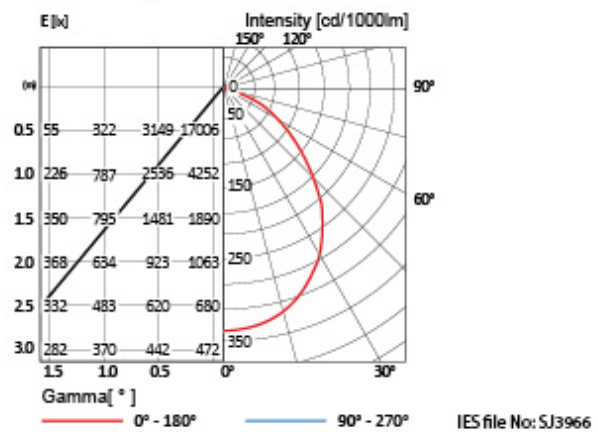
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



## Specifications

Model	SL 301.60	SL 301.100	SL 301.150	SL 301.200
Nominal Power	60W	100W	150W	200W
Nominal System Lumen Output	7800 lm	13000 lm	19500 lm	26000 lm
Nominal System Efficacy	130 lm/W			
LED Driver	MEANWELL			
Light Source	LUMILEDS			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C~+45°C			
Power Factor	0.95PF			
Total Harmonic Distortion	<20%			
Insulation Class	Class I			
Housing Material	Die-cast Aluminium			
Ingress Protection	IP65			
Impact Protection	IK08			
Weight	4.6 KG	6.5 KG	6.7 KG	9.1 KG

## Order Reference

Model	Wattage
SL 301	60
	100
	150
	200



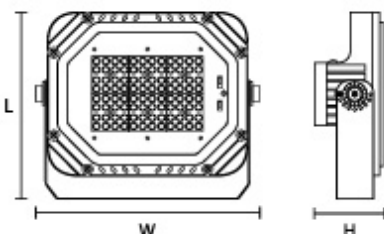
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SL 301.60	246	303	96
SL 301.100	308	385	110
SL 301.150	308	385	110
SL 301.200	355	438	128

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# NEPTUNE LED

## SL 307 Floodlight Series

### Features

LED floodlight with symmetric light distribution. An energy-saving replacement for traditional floodlight. Die cast aluminium shell coated with polyester powders. High resistance to atmospheric layers and corrosion. Offers longer service lifetime and less maintenance.



### Applications

Ideal for buildings, advertising boards, parks, plaza, dock and greenwood.

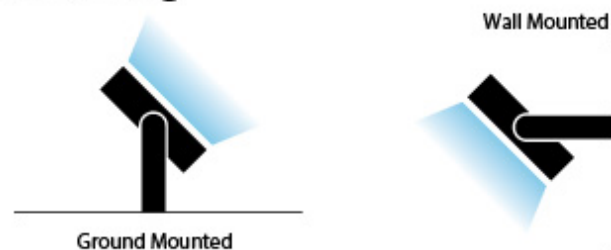
### Optics

Material	Polycarbonate
Beam Angle	Vertical Field Angle - 110° Horizontal Field Angle - 110°

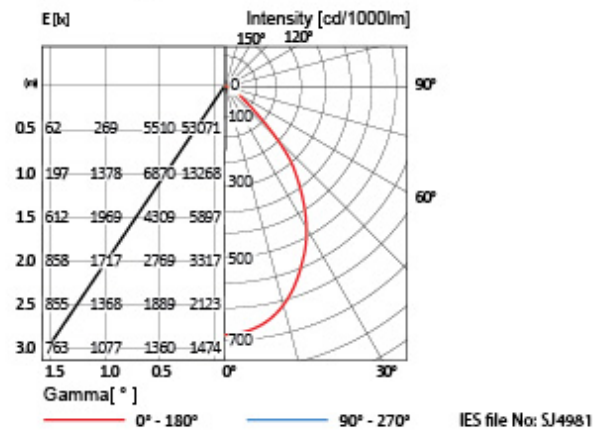
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



## Specifications

Model	SL 307.65	SL 307.100	SL 307.150	SL 307.200	SL 307.300
Nominal Power	65W	100W	150W	200W	300W
Nominal System Lumen Output	9750 lm	16000 lm	20250 lm	28000 lm	36000 lm
Nominal System Efficacy	150 lm/W	160 lm/W	135 lm/W	140 lm/W	120 lm/W
LED Driver	DONE	MEANWELL	MEANWELL	MEANWELL	MEANWELL
Light Source	LUMILEDS				
Colour Temperature (CCT)	3000K/4000K/6500K				
Input Voltage	240V~50Hz				
Colour Rendering Index (CRI)	>70				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-20°C~+45°C				
Power Factor	0.95PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class I				
Housing Material	Die-cast Aluminium				
Ingress Protection	IP65				
Impact Protection	IK06				
Weight	2.8 KG	4.6 KG	6.0 KG	9.0 KG	11.5 KG

## Order Reference

Model	Wattage
SL 307	65
	100
	150
	200



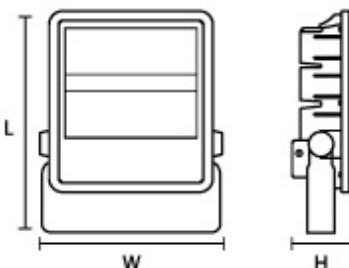
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SL 307.65	352	259	54
SL 307.100	398	282	59
SL 307.150	448	371	63
SL 307.200	445	510	67
SL 307.300	535	515	69

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# MARS LED

## SL 503 Street Light Series

### Features

LED Street light is a simple, economical and reliable LED road-lighting solution that delivers substantial energy savings compared with conventional fixtures. Lifetime reliability is assured with excellent thermal management helping to prevent early LED failure. Installation is easy, and maintenance of the driver box can be carried out without the use of tools on the pole.

### Applications

Ideal for roadway and car park area.

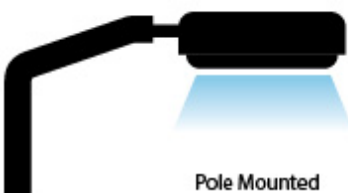
### Optics

Diffuser Material	Polycarbonate
Beam Angle	90°/120° / 80°/150°

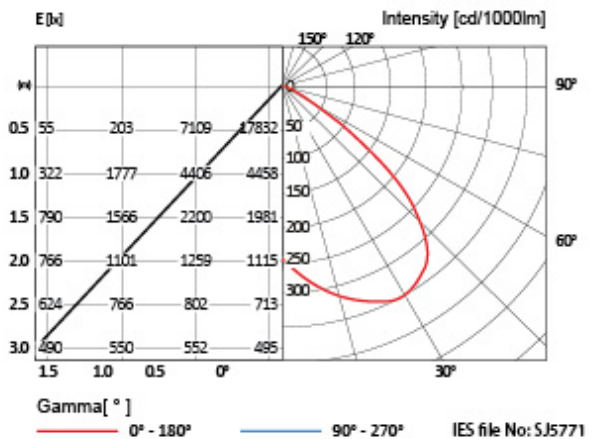
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



## Specifications

Model	SL 503.60	SL 503.100	SL 503.150	SL 503.180
Nominal Power	60W	100W	150W	180W
Nominal System Lumen Output	7200 lm	12000 lm	18000 lm	21600 lm
Nominal System Efficacy	120 lm/W			
LED Driver	Mean Well			
Light Source	Lumileds			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V, 50Hz			
Colour Rendering Index (CRI)	≥70			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.95PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Die Cast Aluminium			
Ingress Protection	IP65			
Weight	4.7 KG	6.6 KG	7.9 KG	7.9 KG

## Order Reference

Model	Wattage
SL 503	60
	100
	150
	180



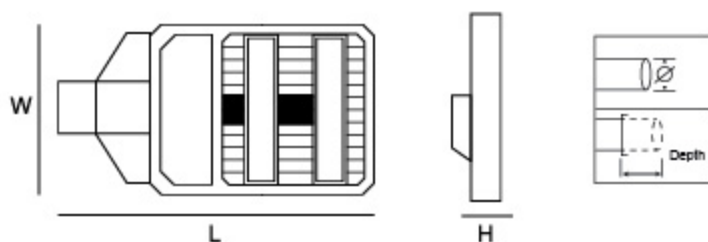
## Order Information

Model No.	Number Of Module	Pole Depth - Ø x D (mm)	L(mm)	W(mm)	H(mm)
SL 503.60	1	60 x 130	390	278	60
SL 503.100	2	60 x 130	512	278	60
SL 503.150	3	60 x 130	602	278	60
SL 503.180	3	60 x 130	602	278	60

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





IEC 60598-2-3  
IEC 60598-1  
PC014487



# MARS LED

## SL 508 Street Light Series

### Features

Die-cast aluminum housing. Whole structure heating dissipation design with best thermal conduction and radiation. Ergonomic and dedicated light distribution are available for various roadway application.

### Applications

Ideal for residential areas, parks and parking lots.

### Optics

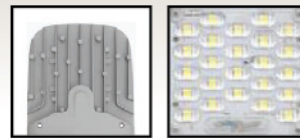
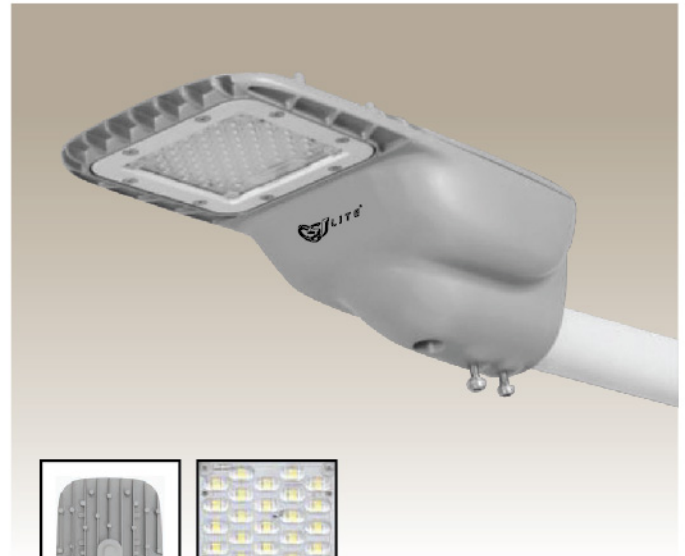
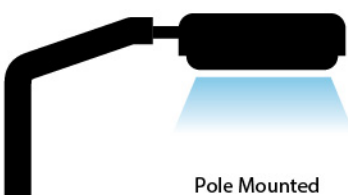
Diffuser Material Polycarbonate

### Optional Features / Accessories

Dali/1-10V Dimming Control

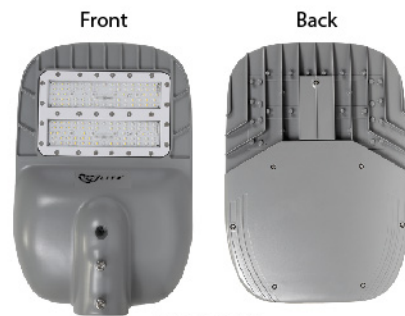
NEMA receptacle & photocell/shorting cap

### Mounting



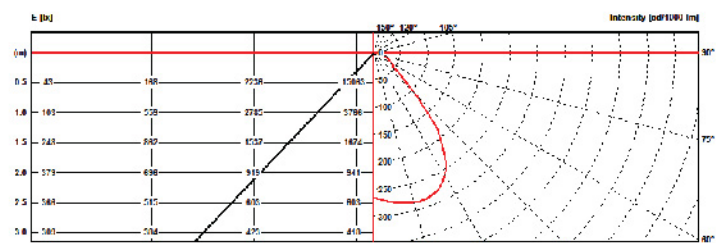
60W

80 & 100W



120 & 150W

### Lighting Data



IES file No: SI4126

## Specifications

Model	SL 508.60	SL 508.80	SL 508.100	SL 508.120	SL 508.150
Nominal Power	60W	80W	100W	120W	150W
Nominal System Lumen Output	7320 lm	11040 lm	14290 lm	16800 lm	20250 lm
Nominal System Efficacy	122 lm/W	138 lm/W	143 lm/W	140 lm/W	135 lm/W
LED Driver	INVENTRONIC				
Light Source	LUMILEDS				
Colour Temperature (CCT)	3000K/4000K/5000K/5700K				
Input Voltage	220V-240V, 50Hz				
Colour Rendering Index (CRI)	>70				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-40°C~+50°C				
Power Factor	0.95PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class I				
Housing Material	Die-cast Aluminium				
Ingress Protection	IP66				
Impact Protection	IK08				

## Order Reference

Model	Wattage	
SL 508	60	120
	80	150
	100	

### Example :



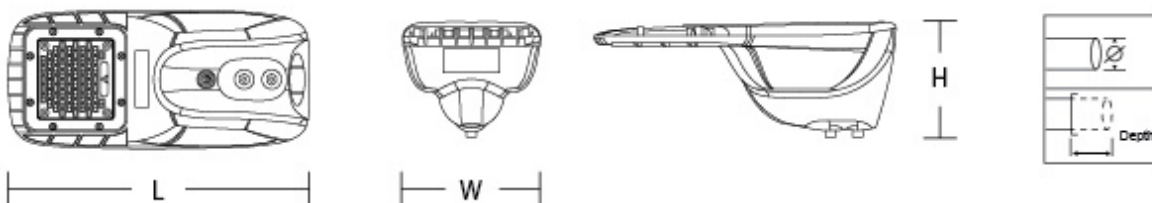
## Order Information

Model No.	Pole Depth - Ø x D (mm)	L(mm)	W(mm)	H(mm)
SL 508.60	63 x 110	395	180	155
SL 508.80	63 x 110	465	220	155
SL 508.100	63 x 110	465	220	155
SL 508.120	63 x 110	495	340	175
SL 508.150	64 x 130	570	340	175

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions







## Specifications

Model	SAC 2A 220 MOL	SAC 3A 320 MOL	SAC 4A 420 MOL	SAC 2C 240 MOL (1X4)
Nominal Power	16W	24W	32W	28W
Nominal System Lumen Output	1817 lm	2355 lm	2932 lm	3327 lm
Nominal System Efficacy	113 lm/W	96 lm/W	90 lm/W	119 lm/W

Model	SAC 2C 240 MOL	SAC 3C 340 MOL	SAC 4C 440 MOL
Nominal Power	28W	42W	56W
Nominal System Lumen Output	3652 lm	5396 lm	7432 lm
Nominal System Efficacy	130 lm/W	128 lm/W	100 lm/W
Light Source	SJ Lite T8 LED Tube (HE)		
Colour Temperature (CCT)	3000K/4000K/6500K		
Input Voltage	240V~50Hz		
Colour Rendering Index (CRI)	>80		
Luminaire Rated Life	50,000hrs (L70B50)		
Operating Temperature	-20°C ~ +45°C		
Power Factor	>0.9PF		
Total Harmonic Distortion	≤20%		
Insulation Class	Class I		
Housing Material	Cold Roll Steel		
Ingress Protection	IP20		

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



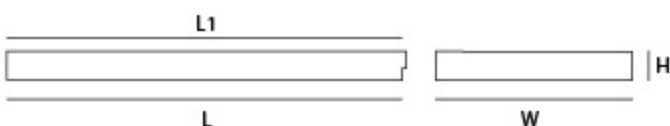
## Order Information

Model No.	No. Of Lamp	L(mm)	L1 (mm)	W(mm)	H(mm)
SAC 2A 220 MOL	2	600	612	600	90
SAC 3A 320 MOL	3	600	612	600	90
SAC 4A 420 MOL	4	600	612	600	90
SAC 2C 240 MOL (1X4)	2	1210	1222	302	90
SAC 2C 240 MOL	2	1210	1222	600	90
SAC 3C 340 MOL	3	1210	1222	600	90
SAC 4C 440 MOL	4	1210	1222	600	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



\*All LED component are subject to the LED component manufacturers warranty terms and condition.

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



MS IEC 60598-1  
MS IEC 60598-2-1  
PS008202



# METEOR LED

## SAC Surface Mounted - Mirror Louvre Fitting Series

### Features

Designed for surface mounted with single parabolic mirror optic louvre with christmas profile cross blades. Louvres retained by means of slide lock set and can be lowered and hang from either side.

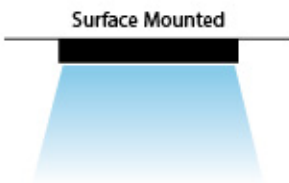
### Applications

Ideal for indoor application, offices, retail stores, supermarkets, schools and hotels.

### Optional Features / Accessories

1-10V Dimming Control

### Mounting

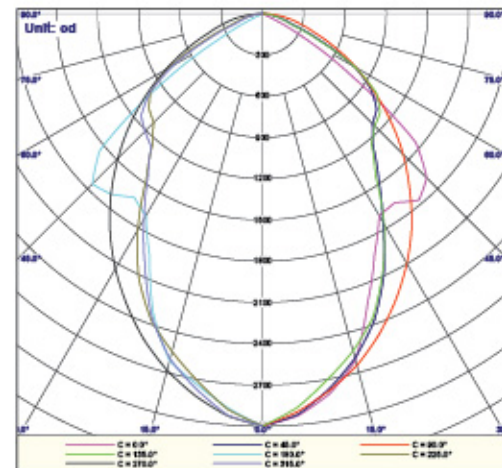


### TM5 Utilisation Factor Table

Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	6.00
0.70	0.60	0.20	0.82	0.73	0.80	0.85	0.82	0.98	0.89	1.03	1.05
0.70	0.30	0.20	0.65	0.88	0.73	0.79	0.88	0.91	0.85	0.99	1.02
0.70	0.10	0.20	0.60	0.81	0.88	0.74	0.82	0.87	0.81	0.98	1.00
0.60	0.60	0.20	0.81	0.71	0.77	0.82	0.88	0.92	0.85	0.99	1.01
0.60	0.30	0.20	0.64	0.85	0.72	0.77	0.84	0.88	0.82	0.98	0.99
0.60	0.10	0.20	0.60	0.80	0.87	0.73	0.80	0.85	0.89	0.93	0.97
0.30	0.60	0.20	0.69	0.89	0.75	0.80	0.85	0.89	0.82	0.95	0.97
0.30	0.30	0.20	0.64	0.84	0.70	0.75	0.82	0.88	0.89	0.93	0.95
0.30	0.10	0.20	0.49	0.80	0.88	0.71	0.78	0.83	0.88	0.91	0.94
0.00	0.00	0.00	0.47	0.67	0.84	0.89	0.75	0.79	0.82	0.88	0.89
Distribution Factors	Floor:		0.47	0.67	0.84	0.89	0.75	0.79	0.82	0.88	0.89
	Wall:		0.62	0.42	0.38	0.31	0.24	0.20	0.17	0.13	0.11
	Ceiling:		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EZ Numbers:			3	3	3	3	3	3	3	3	3

SHR Nominal = 1.00:1 SHR Maximum = 1.00:1

### Lighting Data



Luminous Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024EB006)



## Specifications

Model	SAC 2A 220/S MOL (1X2)	SAC 2A 220/S MOL	SAC 3A 320/S MOL	SAC 4A 420/S MOL
Nominal Power	16W	16W	24W	32W
Nominal System Lumen Output	1848 lm	1848 lm	2370 lm	4400 lm
Nominal System Efficacy	114 lm/W	114 lm/W	98 lm/W	138 lm/W

Model	SAC 2C 240/S MOL (1X4)	SAC 2C 240/S MOL	SAC 3C 340/S MOL	SAC 4C 440/S MOL
Nominal Power	28W	28W	42W	56W
Nominal System Lumen Output	3332 lm	3648 lm	5463 lm	8400 lm
Nominal System Efficacy	119 lm/W	131 lm/W	129 lm/W	150 lm/W

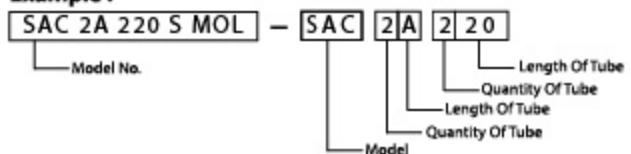
  

Light Source	SJ Lite T8 LED Tube (HE)			
Colour Temperature (CCT)	3000K/4000K/6500K			
Input Voltage	240V~50Hz			
Colour Rendering Index (CRI)	>80			
Luminaire Rated Life	50,000hrs (L70B50)			
Operating Temperature	-20°C ~ +45°C			
Power Factor	>0.9PF			
Total Harmonic Distortion	≤20%			
Insulation Class	Class I			
Housing Material	Cold Roll Steel			
Ingress Protection	IP20			

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



## Order Information

Model No.	No. Of Lamp	L(mm)	W(mm)	H(mm)
SAC 2A 220/S MOL (1X2)	2	612	302	90
SAC 2A 220/S MOL	2	612	598	90
SAC 3A 320/S MOL	3	612	598	90
SAC 4A 420/S MOL	4	612	598	90
SAC 2C 240/S MOL (1X4)	2	1222	302	90
SAC 2C 240/S MOL	2	1222	598	90
SAC 3C 340/S MOL	3	1222	598	90
SAC 4C 440/S MOL	4	1222	598	90

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



\*All LED component are subject to the LED component manufacturers warranty terms and condition.

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



MS IEC 60598-2-2  
MS IEC 60598-1  
PS008206



# METEOR LED

## SAC Wood/Plaster Ceiling Mounted - Mirror Louvre Fitting Series

### Features

Designed for wood / plaster ceiling with single parabolic mirror optic louvre with christmas profile cross blades. Louvres retained by means of slide lock set and can be lowered and hang from either side.

### Applications

Ideal for indoor application, offices, retail stores, supermarkets, school and hotels.

### Optional Features / Accessories

1-10V Dimming Control

### Mounting

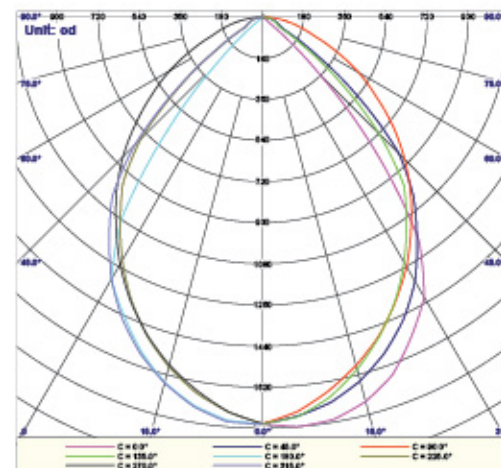


### TM5 Utilisation Factor Table

Reflectance			Room Index (R)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.60	0.20	0.72	0.80	0.88	0.90	0.98	1.00	1.02	1.05	1.07
0.70	0.30	0.20	0.86	0.76	0.81	0.86	0.91	0.98	0.98	1.02	1.06
0.70	0.10	0.20	0.81	0.70	0.77	0.81	0.88	0.92	0.96	1.00	1.03
0.60	0.60	0.20	0.70	0.78	0.84	0.88	0.93	0.98	0.98	1.01	1.03
0.60	0.30	0.20	0.86	0.73	0.79	0.83	0.89	0.93	0.98	0.99	1.01
0.60	0.10	0.20	0.81	0.70	0.78	0.80	0.88	0.90	0.93	0.97	0.99
0.30	0.60	0.20	0.89	0.77	0.82	0.86	0.90	0.93	0.96	0.98	0.99
0.30	0.30	0.20	0.84	0.72	0.78	0.82	0.87	0.90	0.93	0.98	0.98
0.30	0.10	0.20	0.80	0.69	0.76	0.79	0.84	0.88	0.91	0.94	0.98
0.00	0.00	0.00	0.68	0.67	0.72	0.76	0.81	0.84	0.87	0.90	0.92
Distribution Factors		Floor:	0.68	0.67	0.72	0.76	0.81	0.84	0.87	0.90	0.92
		Wall:	0.41	0.33	0.27	0.23	0.18	0.16	0.13	0.10	0.08
		Ceiling:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BZ Numbers:			1	1	1	2	2	2	2	2	2

SHR Nominal = 1.25:1 SHR Maximum = 1.30:1

### Lighting Data



Luminaire Intensity values are shown radially from centre.  
Elevation angle values are shown around the outside of the graph.  
Report Number: (2024EB015)



## Specifications

Model	SAC 2A 220/W MOL	SAC 3A 320/W MOL	SAC 2C 240/W MOL (1X4)	SAC 2C 240/W MOL	SAC 3C 340/W MOL
Nominal Power	16W	24W	28W	28W	42W
Nominal System Lumen Output	1577 lm	2559 lm	3013 lm	3597 lm	5321 lm
Nominal System Efficacy	98 lm/W	105 lm/W	108 lm/W	128 lm/W	126 lm/W
Light Source	SJ Lite T8 LED Tube (HE)				
Colour Temperature (CCT)	3000K/4000K/6500K				
Input Voltage	240V~50Hz				
Colour Rendering Index (CRI)	>80				
Luminaire Rated Life	50,000hrs (L70B50)				
Operating Temperature	-20°C ~ +45°C				
Power Factor	>0.9PF				
Total Harmonic Distortion	≤20%				
Insulation Class	Class I				
Housing Material	Cold Roll Steel				
Ingress Protection	IP20				

## Order Reference

Model	Quantity Of Tube	Length Of Tube
SAC	1	A (2ft)
	2	C (4ft)
	3	
	4	

### Example :



## Order Information

Model No.	No. Of Lamp	L(mm)	L1(mm)	W(mm)	W1(mm)	H(mm)	H1(mm)
SAC 2A 220/W MOL	2	636	612	620	561	90	78
SAC 3A 320/W MOL	3	636	612	620	561	90	78
SAC 2C 240/W MOL (1X4)	2	1246	1222	329	270	90	78
SAC 2C 240/W MOL	2	1246	1222	620	561	90	78
SAC 3C 340/W MOL	3	1246	1222	620	561	90	78

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# METEOR LED

## SRU Recessed Mounted LED Linear Louvre Series

### Features

Designed for recess mounting ceiling. LED panel light highlighting the use of a new generation of low power and high power LED as light source. Excellent light transmission, which provide an outstanding performance effect for your application. Good control of luminous with design cut off angle of 60°.



### Applications

Ideal for offices, retail stores, supermarkets, schools, hotels, factories, car parks and other indoor application.

### Optics

Diffuser Material	PMMA
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular

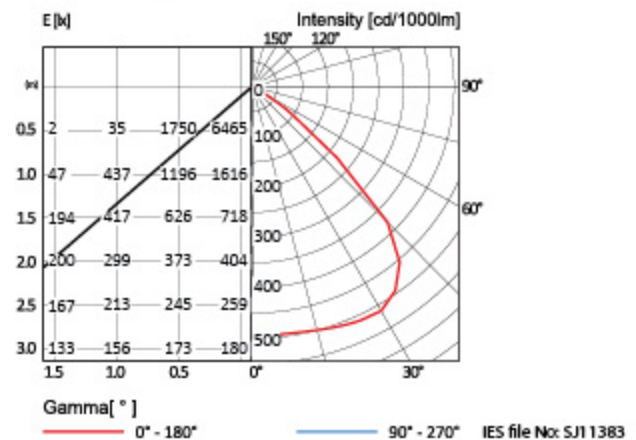
### Optional Features / Accessories

Dali/1-10V Dimming Control

### Mounting



### Lighting Data



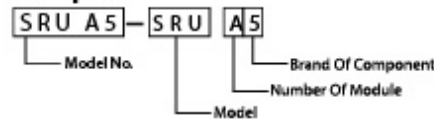
## Specifications

Model	SRU A5 (1X2)	SRU B5 (1X4)
Nominal Power	12W	24W
Nominal System Lumen Output	1550 lm	3280 lm
Nominal System Efficacy	129 lm/W	137 lm/W
LED Driver	Tridonic LC	
Light Source	Tridonic LLE	
Colour Temperature (CCT)	3000K/4000K/6500K	
Input Voltage	240V~50Hz	
Colour Rendering Index (CRI)	>80	
Luminaire Rated Life	50,000hrs (L70B50)	
Operating Temperature	-20°C ~ +45°C	
Power Factor	>0.9PF	
Total Harmonic Distortion	≤20%	
Insulation Class	Class I	
Housing Material	Cold Roll Steel	
Ingress Protection	IP20	

## Order Reference

Model	Number Of Module	Brand Of Component
SRU	A ( 1 module )	4 - Philips
	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



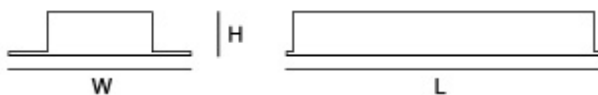
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SRU A5 (1X2)	595	295	70
SRU B5 (1X4)	1195	295	70

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions



# METEOR LED

SAC VDU PF Surface/Recessed Mounted LED Linear Louvre Series

## Features

Designed for direct mounting ceiling. LED double row louvre fitting highlighting the use of the new generation of low power and high power LED as light source. Good control of luminous with design cut off angle of 60°. Glare control UGR <16.

## Applications

Ideal for offices, retail stores, supermarkets, schools, hotels, factories, car parks.

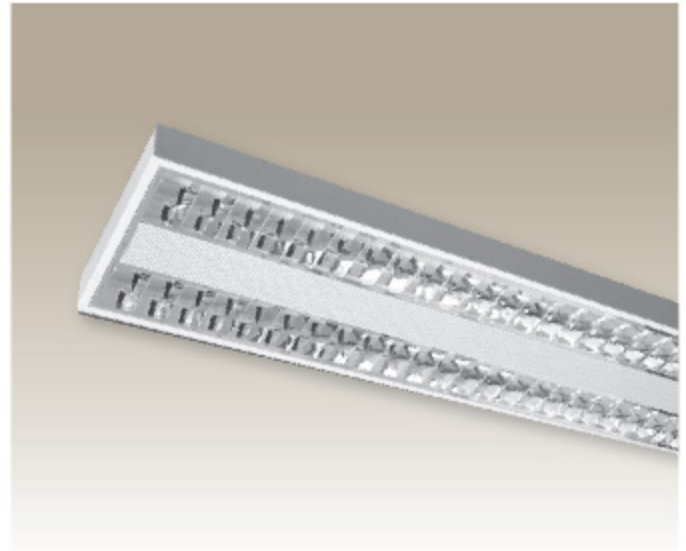
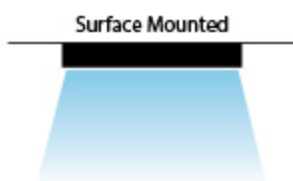
## Optics

Diffuser Material	PMMA
Diffuser Pattern	Frosted U shape
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular

## Optional Features / Accessories

Dali/1-10V Dimming Control

## Mounting

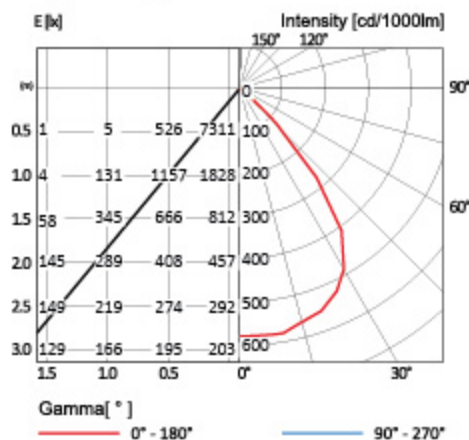


SAC B5 MMVDU PF (2x2)



SAC B5 MMVDU PF (2x4)

## Lighting Data



IES file No: SJ11538



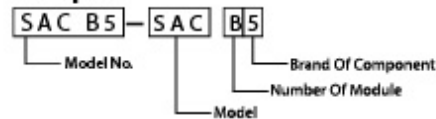
## Specifications

Model	SAC B5 MM VDU PF (2x2)	SAC D5 MM VDU PF (1x4)	SAC D5 MM VDU PF (2x4)
Nominal Power	31W	33W	33W
Nominal System Lumen Output	3160 lm	3150 lm	3480 lm
Nominal System Efficacy	102 lm/W	95 lm/W	105 lm/W
LED Driver	Tridonic LC		
Light Source	Tridonic LLE		
Colour Temperature (CCT)	3000K/4000K/6500K		
Input Voltage	240V~50Hz		
Colour Rendering Index (CRI)	>80		
Luminaire Rated Life	50,000hrs (L70B50)		
Operating Temperature	-20°C ~ +45°C		
Power Factor	>0.9PF		
Total Harmonic Distortion	≤20%		
Insulation Class	Class I		
Housing Material	Cold Roll Steel		
Ingress Protection	IP20		

## Order Reference

Model	Number Of Module	Brand Of Component
SAC	A ( 1 module )	4 - Philips
	B ( 2 modules )	5 - Tridonic
	C ( 3 modules )	7 - Osram
	D ( 4 modules )	

### Example :



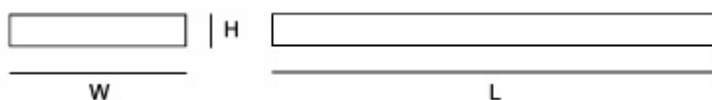
## Order Information

Model No.	L(mm)	W(mm)	H(mm)
SAC B5 MM VDU PF (2x2)	595	595	70
SAC D5 MM VDU PF (1x4)	1195	295	70
SAC D5 MM VDU PF (2x4)	1195	595	70

Note : Subject to +/- 1.5mm

\*Other various types are available upon request.

## Dimensions





**( Corporate Office )**

**SIRIJAYA HOLDINGS BERHAD**

201001042568 (Co. No. 926496-T)

No.9, Lebuhr Perusahaan Klebang 9, IGB International Industrial Park, 31200 Chemor, Perak Darul Ridzuan.  
Tel : +605-292 3888 (Hunting Line), 291 2223 - 291 2228  
Fax : +605-291 2221, 291 2222  
Email : marketing@sirijaya.com  
Website : www.sirijaya.com

**( Malaysia's Subsidiaries / Factories )**

**SIRIJAYA INDUSTRIES SDN. BHD.**

198601004670 (Co. No. 153829-D)

No.9, Lebuhr Perusahaan Klebang 9, IGB International Industrial Park, 31200 Chemor, Perak Darul Ridzuan.  
Tel : +605-292 3888 (Hunting Line), 291 2223 - 291 2228  
Fax : +605-291 2221, 2912222  
Email : marketing@sirijaya.com  
Website : www.sirijaya.com

**SIRIJAYA METAL SDN. BHD.**

200901031523 (Co. No. 674633-U)

No.9, Lebuhr Perusahaan Klebang 9, IGB International Industrial Park, 31200 Chemor, Perak Darul Ridzuan.  
Tel : +605-292 3888 (Hunting Line), 291 2223 - 291 2228  
Fax : +605-291 2221, 2912222  
Email : sjtrunk@sirijaya.com  
Website : metal.sirijaya.com

**( Malaysia's Sales & Marketing )**

**SNJ LITE TRADING SDN. BHD.**

198501042498 (Co. No. 371702-K)

No.9, Lebuhr Perusahaan Klebang 9, IGB International Industrial Park, 31200 Chemor, Perak Darul Ridzuan.  
Tel : +605-292 3888 (Hunting Line), 291 2223 - 291 2228  
Fax : +605-291 2221, 2912222  
Email : marketing@sirijaya.com  
Website : www.sirijaya.com

**SNJ PROJECT SDN. BHD.**

200801017186 (Co. No. 818479-U)

57-1 & 59-1, Jalan PJU 1/37, Block G, Dataran Prima, 47301, Petaling Jaya, Selangor, Malaysia  
Tel : +603-7880 3634 Fax : +603-7880 3179  
Email : marketing@sirijaya.com  
Website : www.sirijaya.com

**SJ LITE TECHNOLOGY SOLUTIONS SDN. BHD.**

201701013577 (Co. No. 1227742-U)

57-1 & 59-1, Jalan PJU 1/37, Block G, Dataran Prima, 47301, Petaling Jaya, Selangor, Malaysia  
Tel : +603-7880 3634 Fax : +603-7880 3179  
Email : sjtech@sirijaya.com  
Website : www.sirijaya.com

**( Singapore's Subsidiary )**

**SJ LITE SINGAPORE PTE. LTD.**

(Co. No. 200609576-E)

12 Tagore Drive #02-02 Singapore 787621  
Tel : +65-6844 3887 Fax : +65-6744 3886  
Email: sjlite@singnet.com.sg

