



Your partner in lighting technology

The logo for LED Solutions, with 'LED' in large, colorful block letters (pink, green, and blue) and 'Solutions' in a smaller, black, sans-serif font below it.

LED

Solutions

Energy Saving and Innovative Design



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 Malaysian 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.



Your partner in lighting technology



INNOVATION SINCE 1983



In the tenure of 2 decades experienced in producing different kinds of luminaires required by different prestige clients, we have gained vast experience on designing luminaires not only meeting domestic and international compliances, but also gained reputation abroad challenging the giants' competitors at the International scenes. We also successfully developed several world renowned clients in channel the OEMs/ODMs on our luminaires suiting their respective requirements for the specific markets.

Our manufacturing facilities to various locations which incrementally occupied a larger built-up area for the expansion.



Sirijaya Industries
Sdn. Bhd.

1986

Incorporation of Sirijaya Industries Sdn. Bhd. to take over the business operations of Syarikat Serijaya.

1987

Started exporting to Singapore for lamp holders and starter holders.

1988

Commenced the construction of a factory in Silibin, Perak Darul Ridzuan.



1983

Establishment of Syarikat Serijaya, a partnership.

Key Milestones & Achievement



1984

Began the manufacture lawn mover, lamp choke box , tool box, lampholder & starter holder.



1985



1989

Own the first factory in Silibin.

1990

First manufacturing of complete "End Fitting Lampholder".



SJ LITE

1992

Exported our first own brand lighting systems to Singapore under the brand name of "SJ Lite".



1994

Start export lampholder to Middle East.

1991

Commencement of the manufacturing of complete office fixed general purpose & recessed T8 fluorescent lighting systems.

1993

Secured our first major project for the supply of fluorescent lighting systems for use in the Sultan Abdul Aziz Shah Airport Terminal 2 in Subang, Selangor Darul Ehsan.



1995

Moved to a new factory in Menglembu, Perak Darul Ridzuan with a total built-up area of approximately 38,610 sq. ft. Incorporation of SNJ Lite Trading Sdn Bhd, improvement on SJ Lite logo.

Invested in an automated electrostatic liquid coating line. Full manufacturing licensed for luminaires & roll forming batten.



Key Milestones & Achievement



1996

First Company in South East Asia to acquire a multi slide automatic punching machine to manufacture connector for magnetic ballast.



1997

Invested in our first automated compact punching and bending line to produce the housing for the lighting systems.

Purchased second automatic punching machine.



2000

Invested in two 4-station Hydraulic Acorn Multi-press to cater for the process of aluminium reflector.

Purchased third & fourth computerised automatic punching machines and goniophotometer to improve on the properties and design of our lighting systems.

Commenced the construction of a new factory, which was also located in Menglembu, Perak Darul Ridzuan, with a total built-up area of approximately 30,000 sq. ft.



2006

Incorporation of SJ Lite Singapore Pte. Ltd. our sales and marketing arm in Singapore. The company currently has a warehousing facility in Ubi Link, Singapore with a total built-up area of approximately 15,000 sq. ft..



2005

Expanded our product range by manufacturing downlights and outdoor lighting systems. Improvement on SJ Lite logo.



1998

Invested in a CNC EDM wire cut machine.

Invested in an automatic punching machine to manufacture multi slide connector for twin lampholder. Extended our factory in Menglembu, Perak Darul Ridzuan, providing an additional built-up area of 14,000 sq. ft. for our assembly activities.

Improvement on SJ Lite logo.



1999

The electrostatic liquid coating line was upgraded to automated electrostatic powder coating system.

2002



2001

Completed construction of the new factory in 2001 and we currently manufacture our plastic injection moulded lighting parts and components including lamp holders and starter holders in this new factory. Purchased fifth computerised automatic punching machine and second automated compact punching and bending line.



Purchased two computerized automatic punching machines.

Started exporting to Australia.



2004

Incorporation of Pacific Lighting Pty. Ltd. Queensland Australia, our sales and marketing arm in Australia.

Setup SNJ sales office in Kuala Lumpur Malaysia.



2007

Purchased the third automated compact punching and bending line.

2008

Incorporation of SNJ Project Sdn Bhd. Relocated to IGB International Industrial Park in Chemor, Perak Darul Ridzuan, with a total land area of approximately 1 million sq. ft.

An independent research was conducted for a construction company in Australia, which identified our lighting system as the more efficient choice with a light output ratio of 93% compared to the next highest at 88%.



2009

SJ TRUNK

Incorporation of Sirijaya Metal Sdn Bhd.

Commenced the construction of corporate office and warehouse with a total built-up area of approximately 125,000 sq. ft. in the same premises in IGB International Industrial Park in Chemor, Perak Darul Ridzuan as an extension to our existing facilities.

Key Milestones & Achievement

2011



Expanded our product range by manufacturing T5 highbay & trunking systems.



2012

Expanded our product range to LED Downlight & LED Panels.

2015



Extended our factory in IGB International Industrial Park in Chemor, Perak Darul Ridzuan, providing an additional built-up area of 11,000 sq. ft.

Invested eight high speed fully automated plastic injection moulding machines and equipped lab's Research & Development testing equipment such as dustproof/IP testing machine, drop test machine, LED light spectrum analysis machine and salt-spray test machine.

In addition, we have upgraded the powder coating booth system to increase recovery efficiencies and enhance quality consistency complying with the international standards.



2010

Completed the construction of the warehouse in IGB International Industrial Park in Chemor, Perak Darul Ridzuan with a total built-up area of approximately 500,000 sq. ft. Invested in first laser cutting machine.



2013

Complete the construction of new office in IGB International Industrial Park in Chemor. Expanded our product range to LED outdoor such as LED Floodlight and LED Highbay.



2016

Expanded our product range to Cable Tray Trunking system.

Purchased fourth computerised automatic punching machine and second automated compact punching and bending line.



2014

Created our first own brand SJLite LED retrofit LED Tube, LED bulb & LED MR16.



Invested in Spectroradiometer in testing facilities included EMC tester, glow wire tester and needle flame tester. Purchased the second laser cutting machine.



Incorporation of SJLite Technology Solutions Sdn. Bhd.

2017



2018

Relocated and renovation of branch office and showroom in Petaling Jaya.

OUR Footprint



We are currently operating at a headcount of more than 430 employees. In conjunction to our continuous expansion, we strategically setup our subsidiaries in various regions to provide prompt and efficient after sales services' solutions essentially to engage and enhance closer relationships with our customers. Below stated are the establishments of individual companies forming Sirijaya Group of Companies:

1995 - SNJ Lite Trading Sdn Bhd (Malaysia)

2004 - Pacific Lighting Pty Ltd (Australia)

2005 - Sirijaya Autotrans Sdn Bhd (Malaysia)

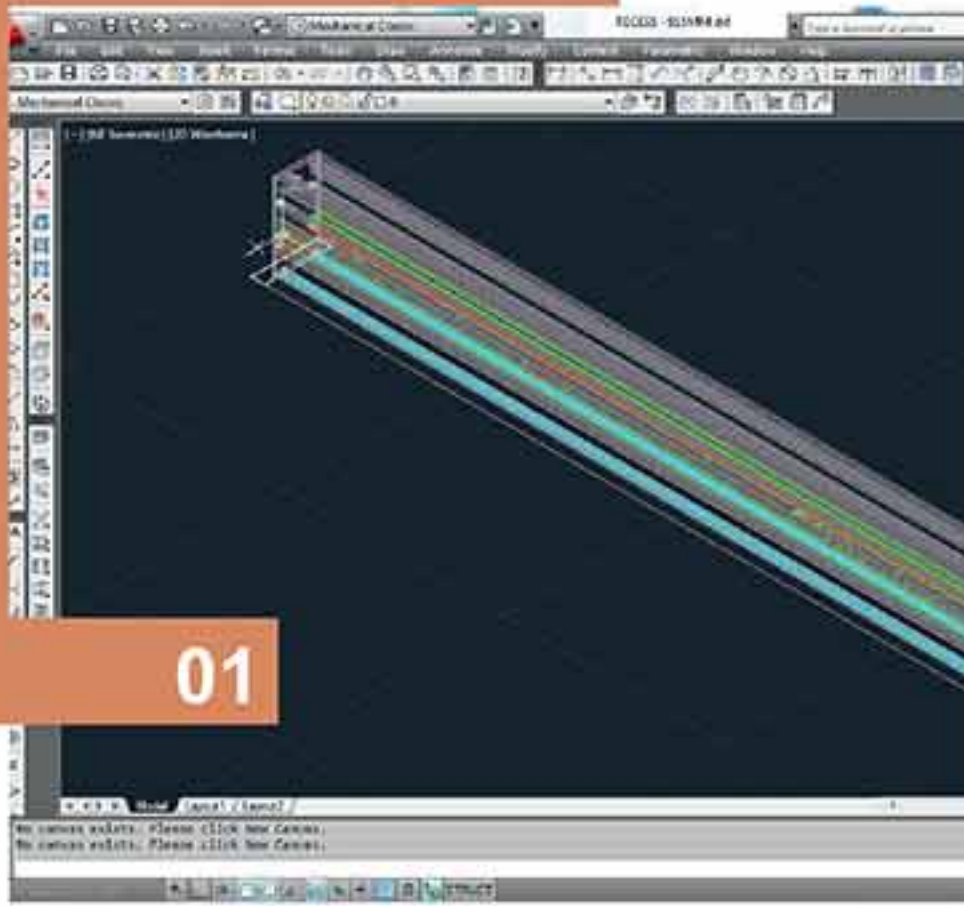
2006 - SJ Lite Singapore Pte Ltd (Singapore)

2008 - SNJ Project Sdn Bhd (Malaysia)

2009 - Sirijaya Metal Sdn Bhd (Malaysia)

2017 - SJ Lite Technology Solutions Sdn Bhd (Malaysia)

Policies of Research & Development



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.

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.



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.

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 standup with absolutely confident in the faithful engagements and in the continuity of partnering our business relationships – long terms.





GEOGRAPHICAL FOOTPRINT



Algeria



Azerbaijan



Botswana



Cambodia



Fiji



Kuwait



Myanmar



Australia



Bangladesh



Brunei



Egypt



Indonesia



Macau SAR



New Zealand



Oman



Papua New Guinea



Saudi Arabia



Sri Lanka



Thailand



United Kingdom



Pakistan



Philippines



Singapore



Sudan



United Arab Emirates



Vietnam



Award & Recognitions

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.

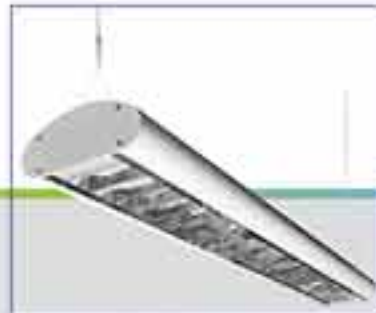
2000 , 2002	Enterprise 50 Award
2003 , 2004 , 2005	Golden Bull Award , SMI Recognition Award
2006	Enterprise 50 Award
2008 , 2009	Golden Bull Award , SMI Recognition Award
2010	Golden Bull Award , SMI Recognition Award , Malaysia Brand 50 Award
2011 , 2012	Golden Bull Award , SMI Recognition Award
2013	Golden Eagle Award
2014 , 2015	Golden Eagle Award , SME Award
2016 , 2017	Golden Eagle Award , SME Award , Sin Chew Buisness Excellent Award



Information Reference



True power in lighting technology



Luminaire Picture

ECLIPSE LED
SEC Linear Trunking Series

Name of Product Series

Features & Benefits

Curve shade combines with parabolic lens for an efficient profile with better glare control and low glare light distribution. Curved canals are supplied in a continuous run configuration.

Application

Mainly use for general lighting in offices, supermarkets & corridors.

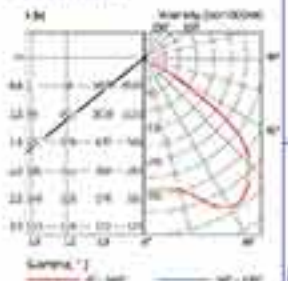
Technical Data

Luminaire Product Description		Optics	
Mounting	Recessed	Diffuser Material	Polycarbonate
Housing Material	Extruded Aluminium	Diffuser Pattern	Feathered Shape
Power Supply	240V 50Hz	Lens Material	High Quality Acrylic Glass
Operating Temperature	40°C	Lens Type	Special
Power Factor	0.95		
Total Harmonic Distortion	< 20%		
Ingress Protection	IP20		
Insulation Classification	Class I		
Life Cycle	50,000 hrs / 50,000 hrs		

Control

Dimming Option: Fixed Output 0-10V

Photometric



Distribution Curve

Photometric Report

Page No.

Order Reference

Dimension



Dimensional Drawing

Order Reference

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

Example: SEC A F - SEC A F

Model Reference

Order Information

Model No.	Dimensions (mm)	Power (Watt)	Light Source (Watt)	Beam Angle (°)	Beam Diameter (mm)	Beam Spread (m)	Beam Spread (m)	Beam Spread (m)	Beam Spread (m)
SEC A	1000x100x100	100	100	120	1000	1000	1000	1000	1000
SEC B	1000x200x100	200	200	120	1000	1000	1000	1000	1000
SEC C	1000x300x100	300	300	120	1000	1000	1000	1000	1000
SEC D	1000x400x100	400	400	120	1000	1000	1000	1000	1000
SEC E	1000x500x100	500	500	120	1000	1000	1000	1000	1000
SEC F	1000x600x100	600	600	120	1000	1000	1000	1000	1000

Order Information

Term & Condition

1. All products are subject to change without notice.

2. All products are subject to change without notice.

3. All products are subject to change without notice.

4. All products are subject to change without notice.

5. All products are subject to change without notice.

6. All products are subject to change without notice.

7. All products are subject to change without notice.

8. All products are subject to change without notice.

9. All products are subject to change without notice.

10. All products are subject to change without notice.

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SCR Weatherproof Series
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SGB Green Batten Series
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ECLIPSE **LED** Extrusion Trunking



SEF Recessed Linear Trunking Series
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SEF Surface Linear Trunking Series
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SET Linear Trunking Series
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SEC Linear Trunking Series
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METEOR **LED** Louvre



SRU Linear Louvre Series
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SACVDU PF Linear Louvre Series
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Content | AURORAS **LED** Linear



SDL Linear Louvre Series
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SLR Linear Louvre Series
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SFD Linear Louvre Series
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SGI Linear Diffused Series
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SLI Linear Diffused Series
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SGP Linear Diffused Series
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SWL Linear Diffused Series
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SFM Linear Diffused Series
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SSH Linear Diffused Series
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SHD Linear Diffused Series
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SP 100 Linear Diffused Series
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Content | PLUTO **LED** Downlight



SL 112
Downlight Series
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SL 173/176/181
Downlight Series
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SL 174
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SL 177
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SL 189
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SL 265
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Connected
Downlight
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Content | VENUS **LED** Lowbay



SL 401/408
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URANUS **LED** Highbay



SL 407
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SLT
Linear Highbay Series
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Content | NEPTUNE **LED** Floodlight



SL 301
Floodlight Series
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MARS **LED** Streetlight



SL 500
Street Light Series
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LED Retrofit



LED Tube
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LED Eco
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Connected
A60
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SONIC LED

SB T8 Bare Batten Series

Features & Benefits

The slim type LED Tube Bare Batten are perfect replacement for 2-feet and 4-feet T8 fluorescent fixtures.

Application

Suitable for corridor, staircase, walkway, lift lobby, etc

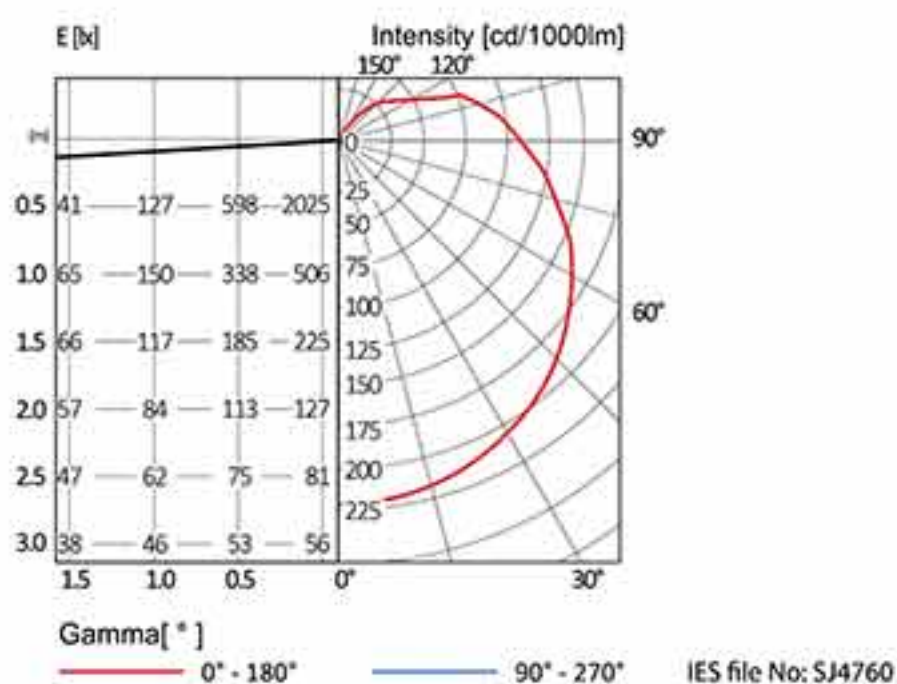
Luminaire Product Description

Mounting	Surface/Wall/Pendant
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	50,000hrs

Control

*Dimming Option	Fixed Output
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Photometric

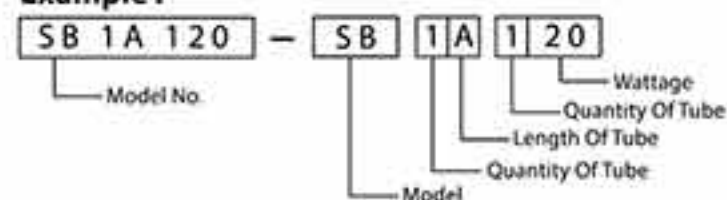


Dimension



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

Example :



Order Information

Model No.	Dimension (LxWxH) (mm)	LED Tube Brand	Lamp Base	LED Tube Dimension (ØxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SB 1A 120	615x41x56	SJLITE	G13	Ø26-588	850	830/840/865	9	900	100
SB 2A 220	615x100x56				850		17	1750	103
SB 1C 140	1225x41x56			Ø26-1198	2100		18	2250	125
SB 2C 240	1225x100x56				2100		39	4400	116

Note : Subject to +/- 1.5mm

*Other various types are available upon request.

Specification of LED Tube

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

Type	Model	Dimension	Lampholder	Input Voltage	Power	Lumen	Efficiency	CCT (K)	B. Angle	Power Factor
Core Level 2	RLASJLC820923	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	3000K	160	>0.90
Core Level 2	RLASJLC820928	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	3500K	160	>0.90
Core Level 2	RLASJLC820924	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	4000K	160	>0.90
Core Level 2	RLASJLC820926	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	6500K	160	>0.90
Core Level 2	RLASJLC842133	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	3000K	160	>0.95
Core Level 3	RLASJLC842138	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	3500K	160	>0.95
Core Level 3	RLASJLC842134	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	4000K	160	>0.95
Core Level 3	RLASJLC842136	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	6500K	160	>0.95
Core Level 2	RLASJLC852433	Ø26x1499	G13	200-240V 50/60Hz	22W	2400lm	109lm/W	3000K	160	>0.95
Core Level 2	RLASJLC852434	Ø26x1499	G13	200-240V 50/60Hz	22W	2400lm	109lm/W	4000K	160	>0.95
Core Level 2	RLASJLC852436	Ø26x1499	G13	200-240V 50/60Hz	22W	2400lm	109lm/W	6500K	160	>0.95

Lumen Maintenance Factor: L(70).

Failure Fraction: F(50) 50,000Hrs.



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SONIC LED

SFB2 Bare Batten Series



Features & Benefits

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

Application

Suitable for general lighting, industrial and domestic areas.

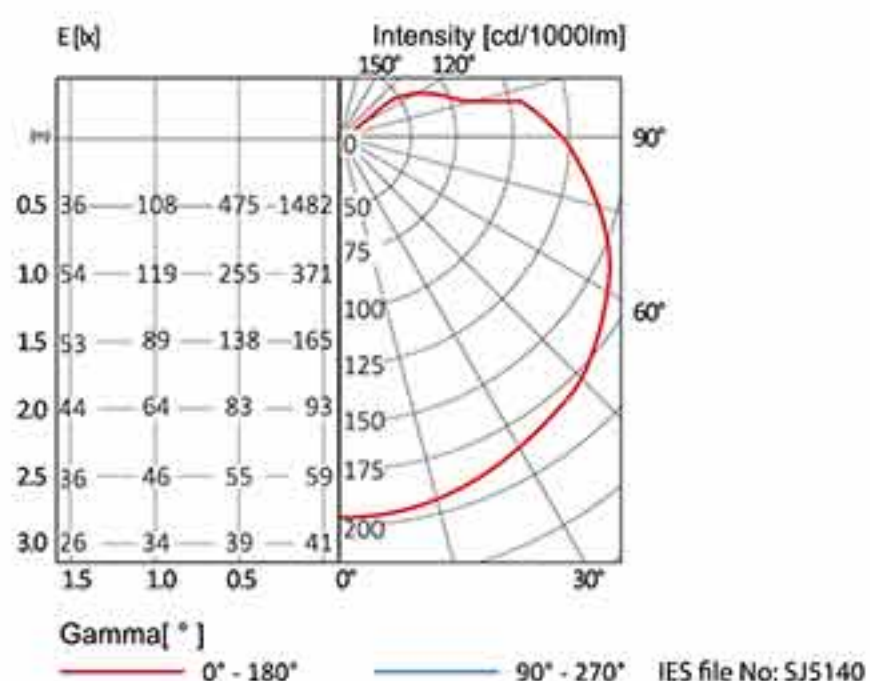
Luminaire Product Description

Mounting	Surface/Wall/Pendant
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs

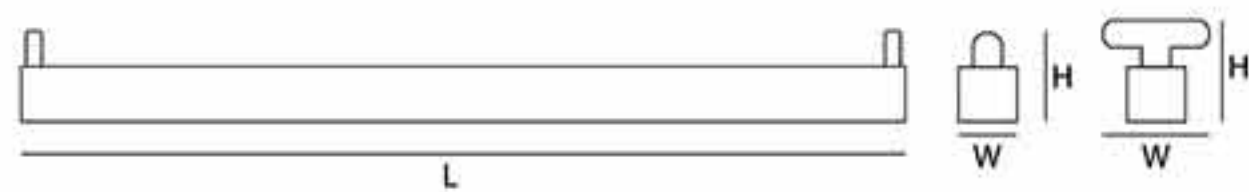
Control

*Dimming Option	Fixed Output
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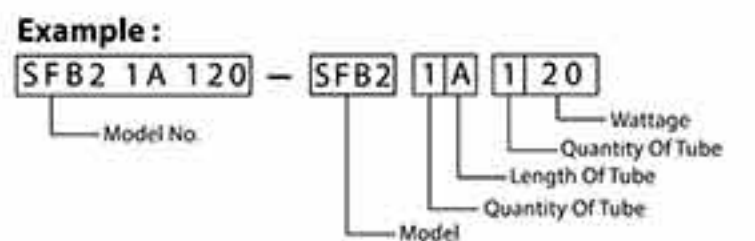
Photometric



Dimension



Model	Quantity Of Tube	Length Of Tube
SFB2	1	A (2ft)
	2	C (4ft)



Order Information

Model No.	Dimension (LxWxH) (mm)	LED Tube Brand	Lamp Base	LED Tube Dimension (ØxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)	
SFB2 1A 120	614x51x61	SJLITE eco	G13	Ø26-588	900	830/840/865	9	800	89	
SFB2 2A 220	614x100x66						19	1600	84	
SFB2 1C 140	1223x51x61			Ø26-1198	1800		19	1900	100	
SFB2 2C 240	1223x100x66						39	3750	96	

Note : Subject to +/- 1.5mm

*Other various types are available upon request.

Specification of LED Tube

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

Model	Dimension	Lampholder	Input Voltage	Power	Lumen	Efficiency	CCT (K)	CRI	Beam Angle	Power Factor
RLASELE721023	Ø26x588	G13	200-240V 50/60Hz	9W	900lm	100lm/W	3000K	80	300	>0.90
RLASELE721024	Ø26x588	G13	200-240V 50/60Hz	9W	900lm	100lm/W	4000K	80	300	>0.90
RLASELE721026	Ø26x588	G13	200-240V 50/60Hz	9W	900lm	100lm/W	6500K	80	300	>0.90
RLASELE741823	Ø26x1198	G13	200-240V 50/60Hz	18W	1800lm	100lm/W	3000K	80	300	>0.90
RLASELE741824	Ø26x1198	G13	200-240V 50/60Hz	18W	1800lm	100lm/W	4000K	80	300	>0.90
RLASELE741826	Ø26x1198	G13	200-240V 50/60Hz	18W	1800lm	100lm/W	6500K	80	300	>0.90



Your partner in lighting technology



SONIC LED

SFS Linear Diffused Batten Series

Features & Benefits

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

Application

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

Luminaire Product Description

Mounting	Surface/Wall/Pendant
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	50,000hrs

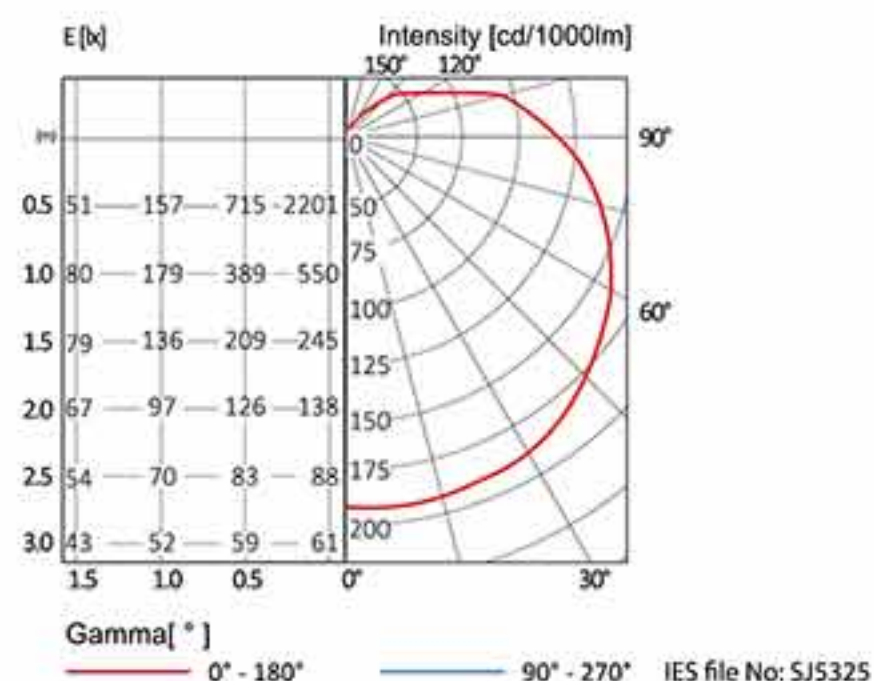
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output
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Photometric

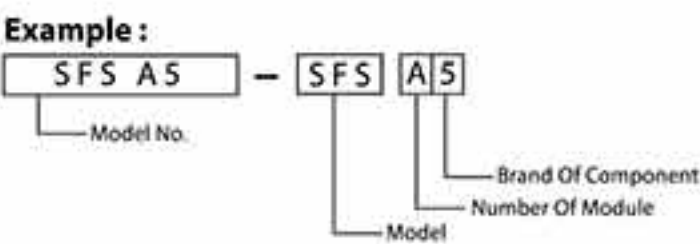


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Light Source Model	Operation Mode	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25 °C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SFS A5 (2ft)	622x39x66	AC SNC Module	HE	24x560	1320	830/840/865	10	1100	110
SFS A5 (4ft)	1212x39x66			24x1150	3050		24	2750	115
SFS A5 (2ft)	622x39x66		HO	24x560	2460		22	2150	98
SFS A5 (4ft)	1212x39x66			24x1150	4850		42	4400	105

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



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SONIC LED

SCR Weatherproof Series

Features & Benefits

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 the fixing brackets supplied, screws should not be used directly through the base.

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Polycarbonate
Power Supply	240V 50Hz
Operating Temperature	-20°C ~+35°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

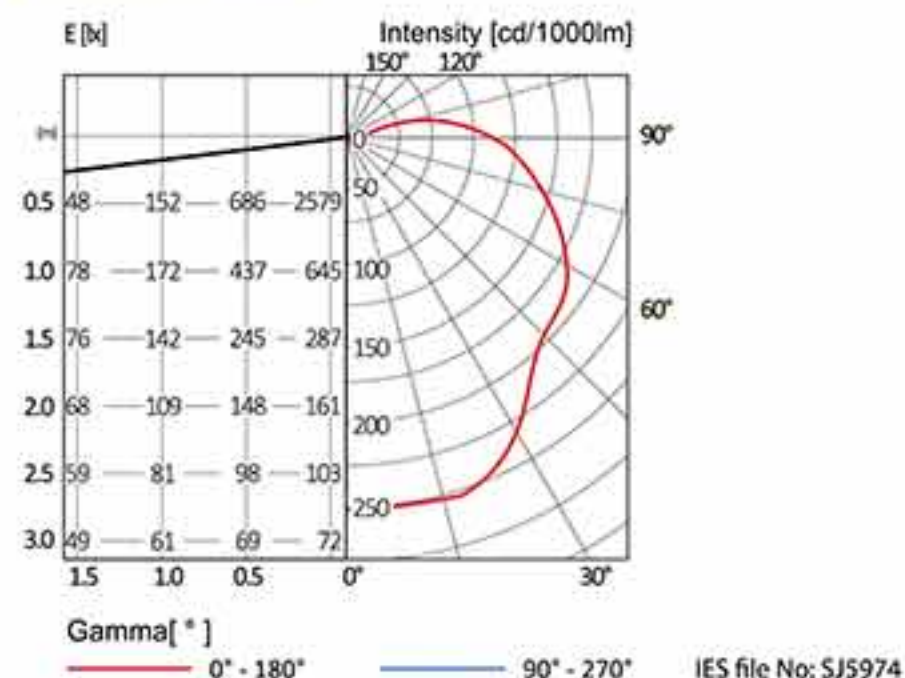
Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted U Shape

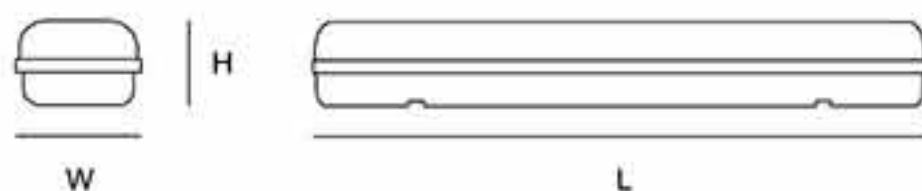
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric



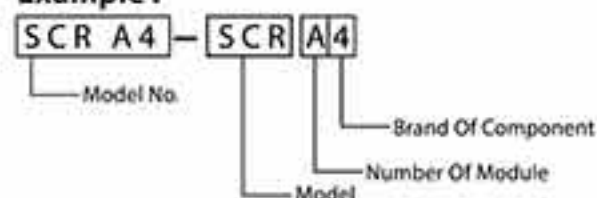
Dimension



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

Example :



Order Information

Model No.	Dimension (LxWxH)(mm)	Driver Model	Light Source Model	Module Dimension (WxL)(mm)	Nominal Lumen Per Modules (lm) @25 °C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SCR A4 120	660x85x87	CertaDrive	CertaFlux	20x560	1550	830/840/865	12	1250	104
SCR A4 120					2200		17	1800	106
SCR B4 220	660x134x87				1550		23	2450	107
SCR B4 220					2200		34	3450	101
SCR B4 140	1269x85x87				1550		23	2550	111
SCR B4 140					2200		33	3600	109
SCR D4 240	1269x134x87				1550		46	5050	110
SCR D4 240					2200		68	7250	107

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



SONIC LED

SGB Green Batten Series

Features & Benefits

Designed for ceiling and pendant using suspension system with diffuser for visual comfort. LED green batten highlighting the use of a new generation of low power and high power LED as light source. Exceptional aesthetic ambience. Higher transmittance with special diffusion additives. Greater diffusion with better lamp hiding. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

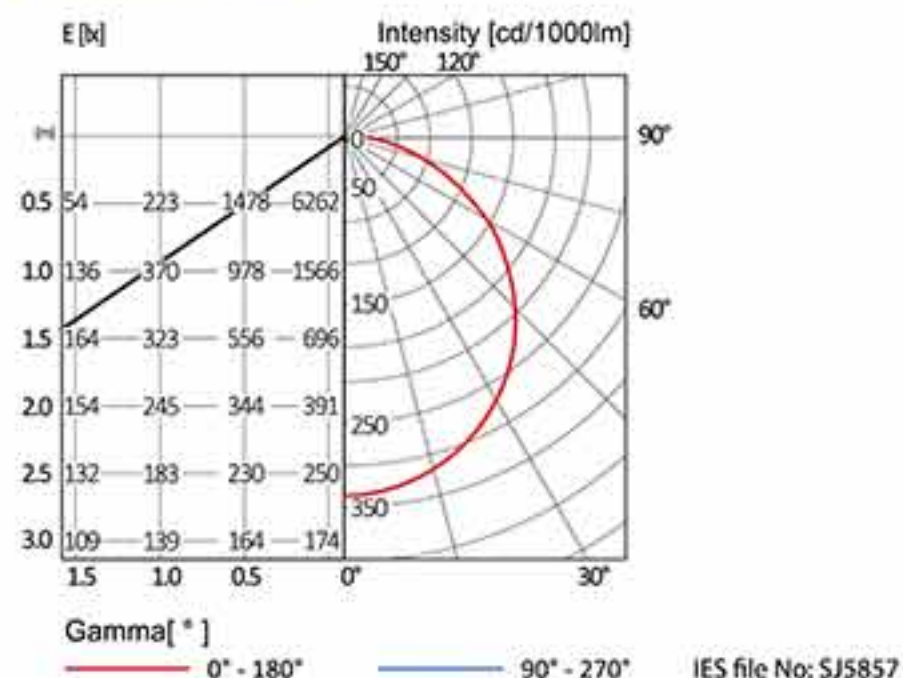
Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

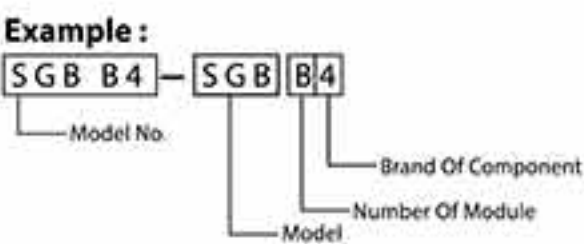


Dimension



Order Reference

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



Order Information

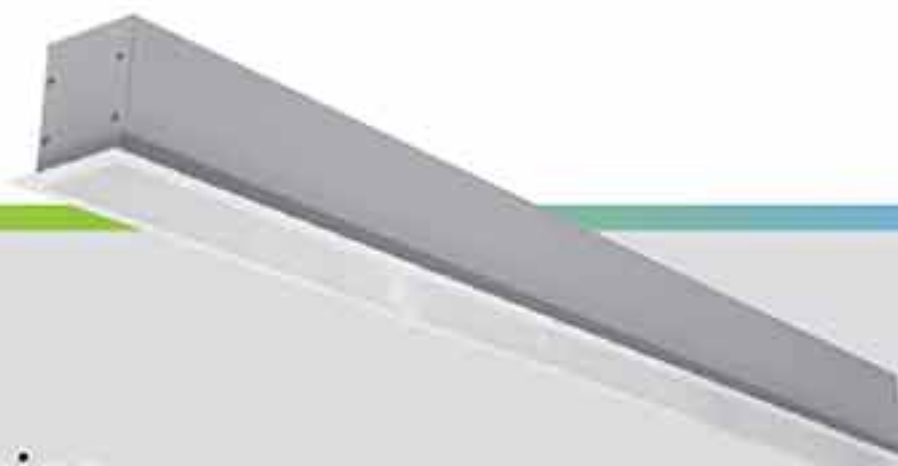
Model No.	Dimension (LxWxH)(mm)	Driver Model	Light Source Model	Module Dimension (WxL)(mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)			
SGB B4 (2ft)	605x150x56	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2400	104			
SGB B4 (2ft)					2200		34	3400	100			
SGB D4 (4ft)	1176x150x56				1550		46	4700	102			
SGB D4 (4ft)					2200		68	6650	98			

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



ECLIPSE LED

SEF Recessed Linear Trunking Series

Features & Benefits

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.

Luminaire Product Description

Mounting	Recessed
Housing Material	Extruded Aluminum
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

Control

*Dimming Option	Fixed Output/Dali/1-10V
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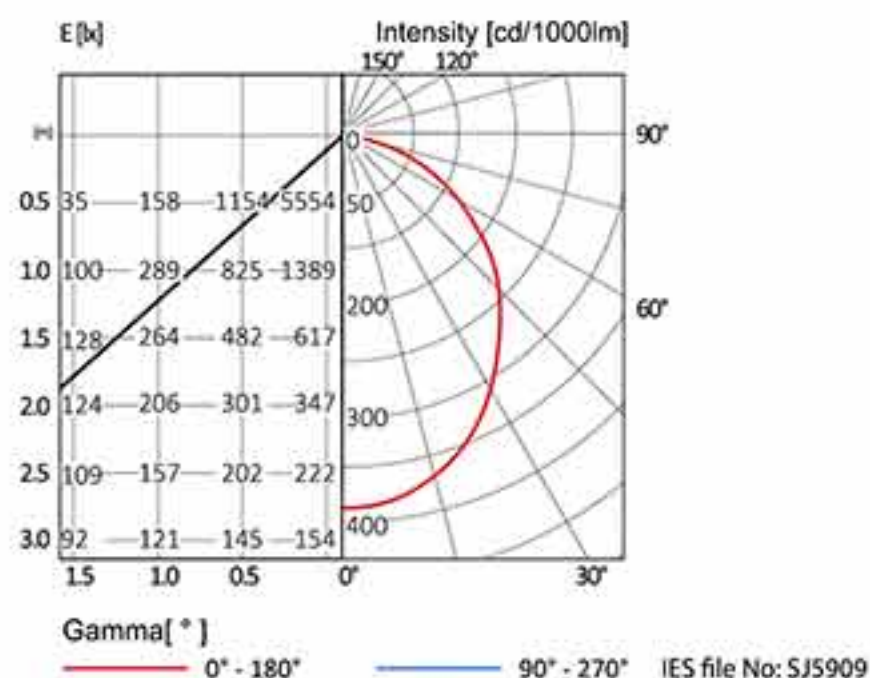
Application

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

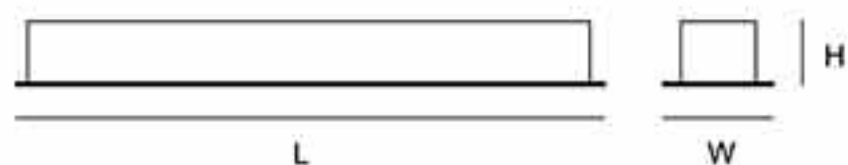
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Photometric



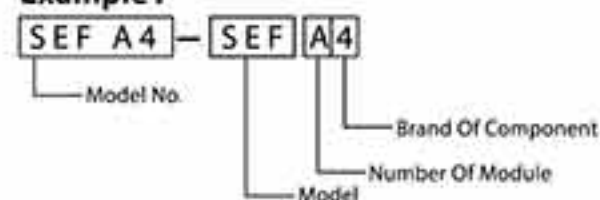
Dimension



Order Reference

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

Example :



Order Information

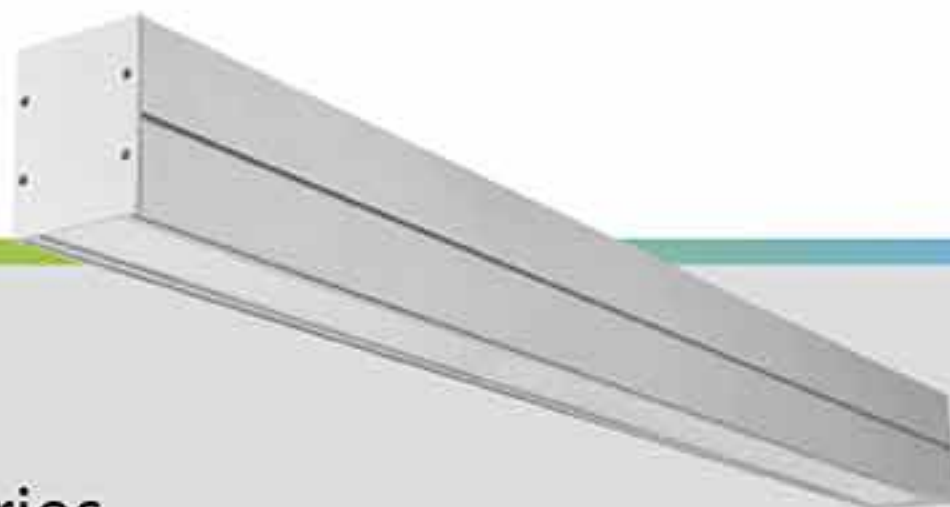
Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)			
SEF A4 Recess	581x105x100	CertaDrive	CertaFlux	20x560	1550	830/840/865	12	1250	104			
SEF A4 Recess					2200		17	1800	106			
SEF B4 Recess	1154x104x100				1550		23	2550	111			
SEF B4 Recess					2200		34	3550	104			

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



ECLIPSE LED

SEF Surface Linear Trunking Series

Features & Benefits

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.

Luminaire Product Description

Mounting	Surface/Pendant
Housing Material	Extruded Aluminum
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

Application

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

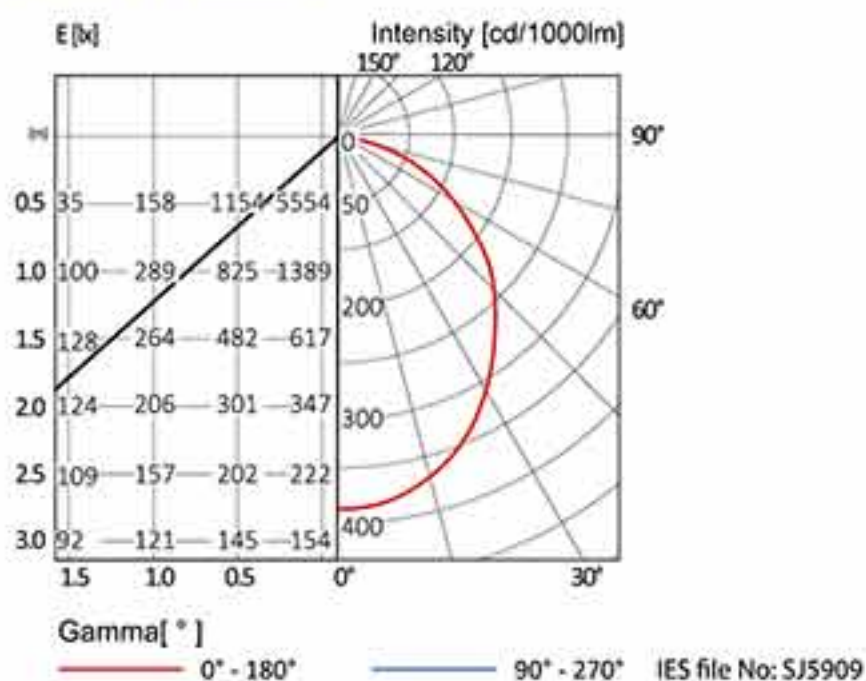
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

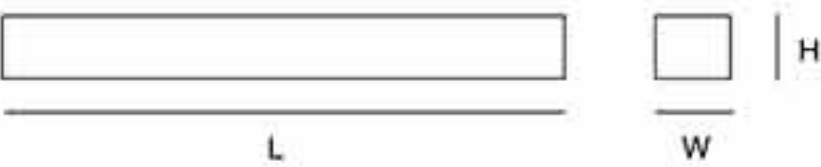
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

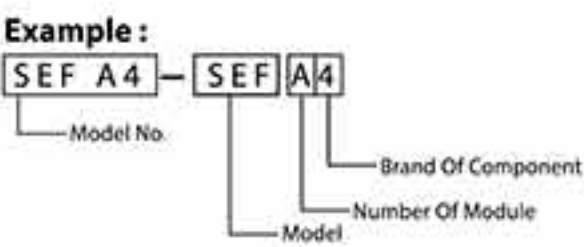


Dimension



Order Reference

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



Order Information

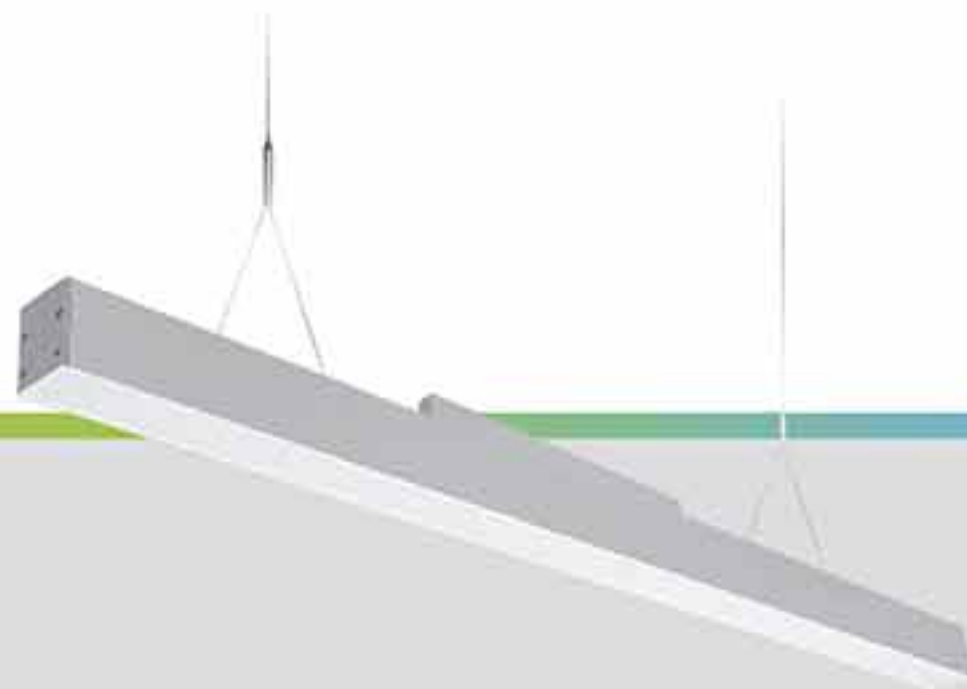
Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SEF A4	568x80x100	CertaDrive	CertaFlux	20x560	1550	830/840/865	12	1250	104
SEF A4					2200		17	1800	106
SEF B4	1128x80x100				1550		23	2550	111
SEF B4					2200		34	3550	104

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



ECLIPSE LED

SET Linear Trunking Series

Features & Benefits

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.

Luminaire Product Description

Mounting	Surface/Pendant
Housing Material	Extruded Aluminum
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Optional Accessories	Remote Driver box, Surface mounting bracket
Life Cycle	30,000hrs/50,000hrs

Control

*Dimming Option	Fixed Output/Dali/1-10V
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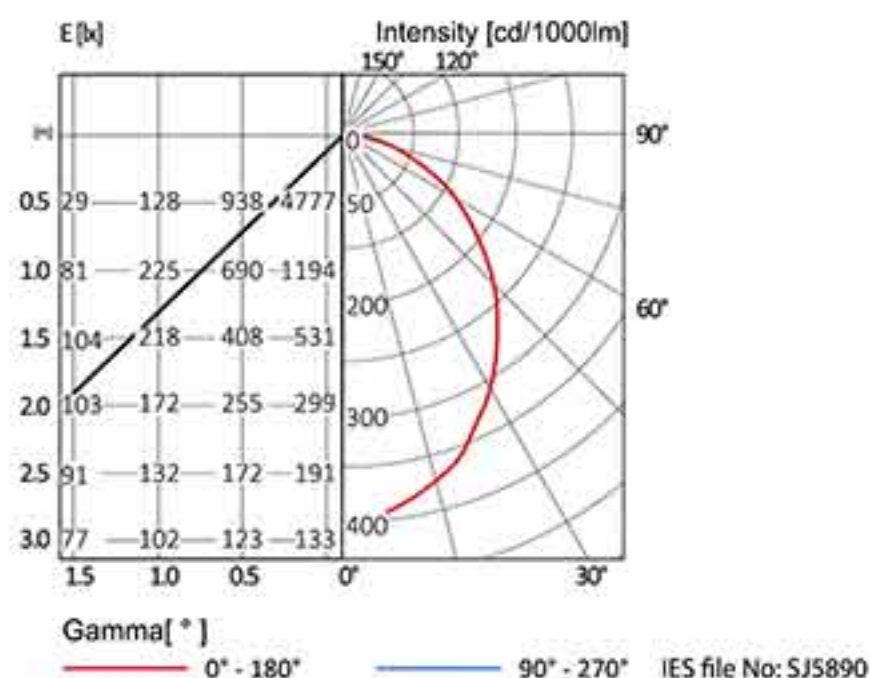
Application

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

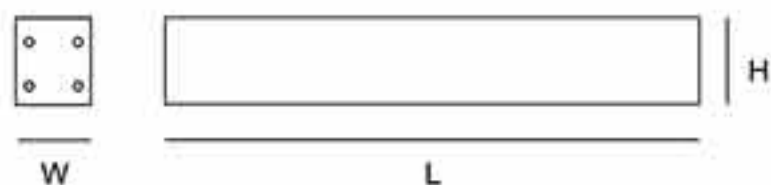
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Photometric



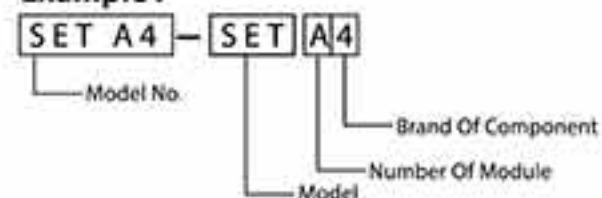
Dimension



Order Reference

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

Example :



Order Information

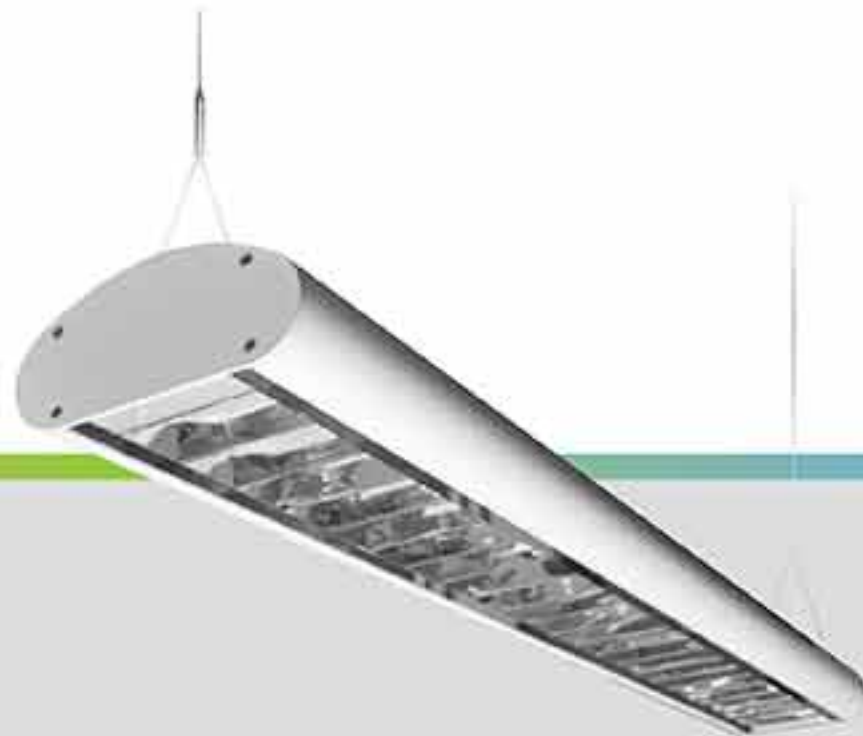
Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SEF A4	568x50x60	CertaDrive	CertaFlux	20x560	1550	830/840/865	12	1050	88
SEF A4					2200		17	1450	85
SEF B4	1128x50x60				1550		23	2100	91
SEF B4					2200		34	3000	88

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



ECLIPSE LED

SEC Linear Trunking Series

Features & Benefits

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.

Application

Mainly use for general lighting in offices, supermarkets & complexes.

Luminaire Product Description

Mounting	Pendant
Housing Material	Extruded Aluminum
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

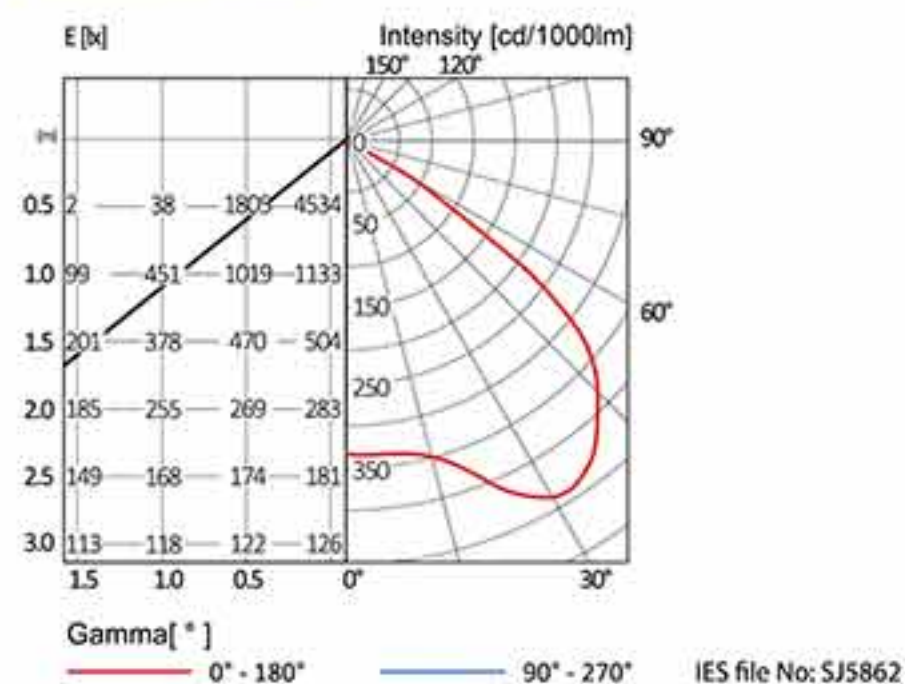
Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted U Shape
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular

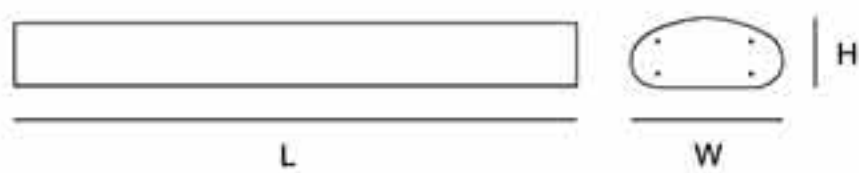
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

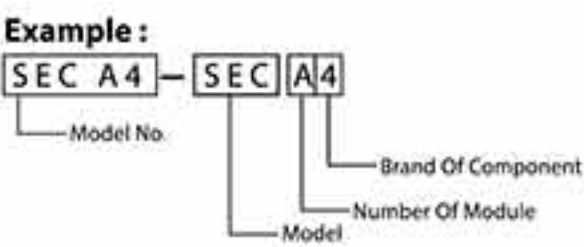


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SEC B4	1128x160x70	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2350	102
SEC B4					2200		34	3350	99

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



METEOR LED

SRU Linear Louvre Series

Features & Benefits

Designed for recess mounting ceiling. LED panel lights 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°. Glare control UGR <16.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

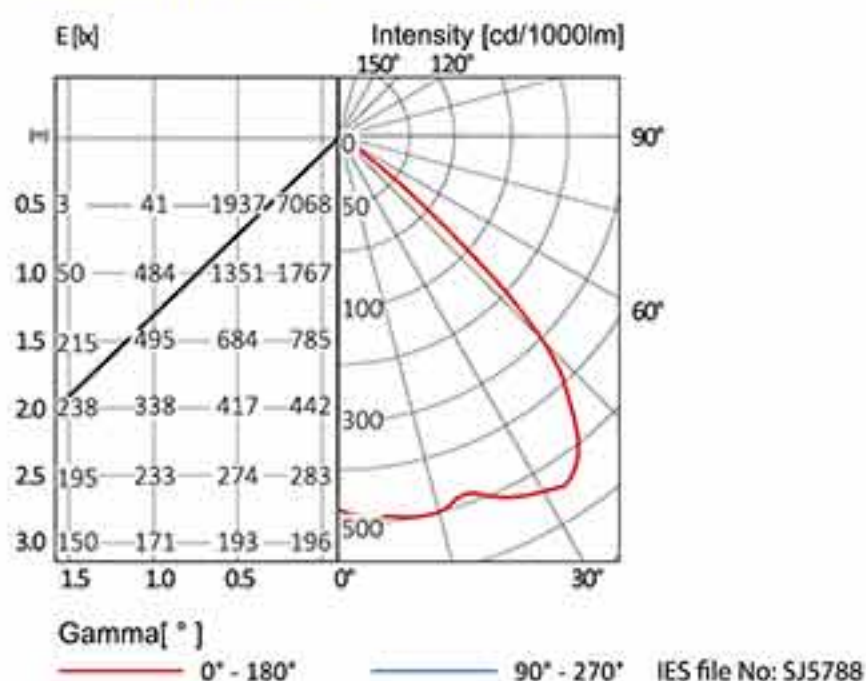
Optics

Diffuser Material	Acrylic
Diffuser Pattern	AA12
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular

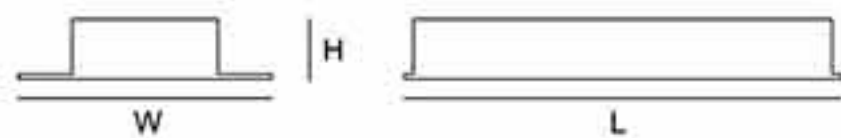
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

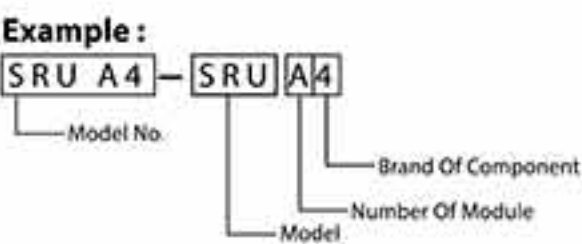


Dimension



Order Reference

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



Order Information

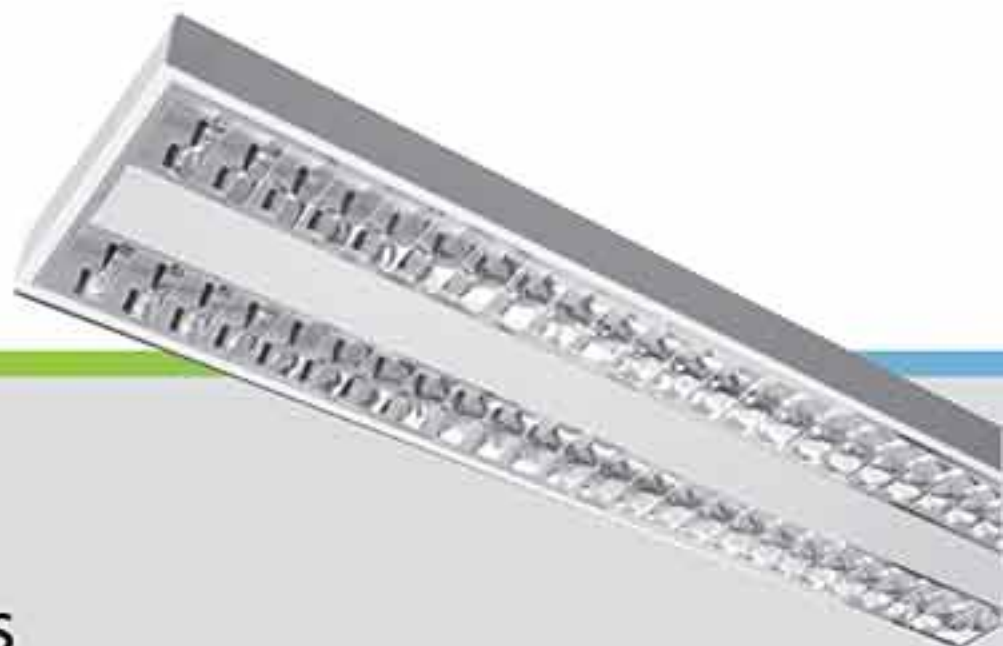
Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SRU A4 114	595x295x70	CertaDrive	CertaFlux	20x560	1550	830/840/865	12	1250	104
SRU A4 114					2200		17	1800	106
SRU B4 128	1195x295x70				1550		23	2500	109
SRU B4 128					2200		34	3600	106

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



METEOR LED

SAC VDU PF Linear Louvre Series

Features & Benefits

Designed for direct mounting ceiling. LED double row louvre fitting highlighting the use of a 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.

Application

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

Luminaire Product Description

Mounting	Surface/Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

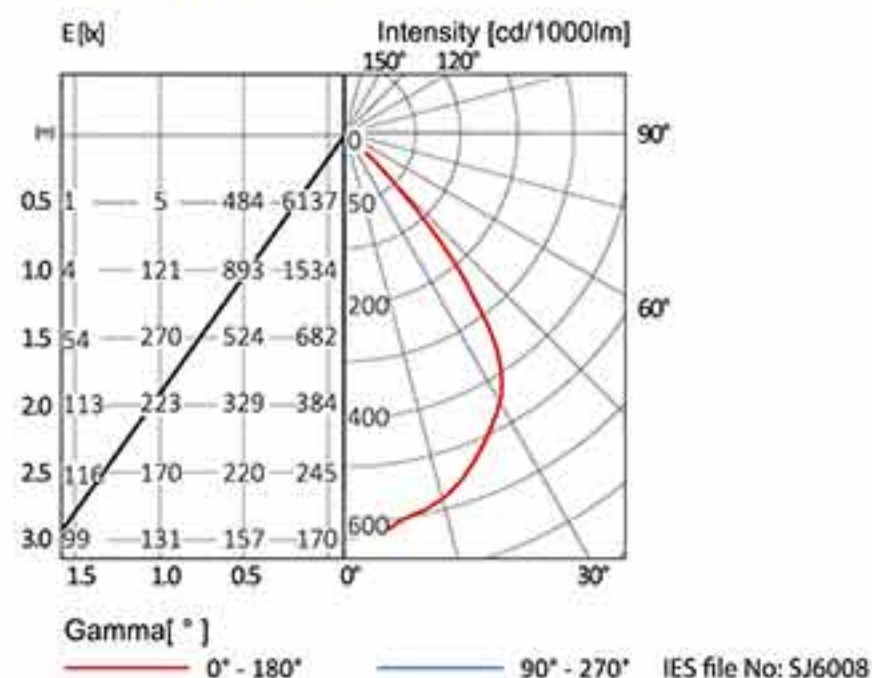
Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted U Shape
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

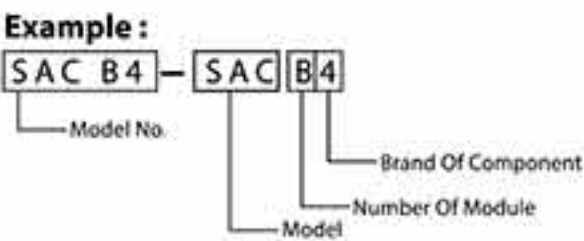


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SAC B4 MM VDU PF (2x2)	595x595x70	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	1700	74
SAC B4 MM VDU PF (2x2)					2200		34	2450	72
SAC D4 MM VDU PF (1x4)	1195x295x88				1550		46	3250	71
SAC D4 MM VDU PF (1x4)					2200		69	4750	69
SAC D4 MM VDU PF (2x4)	1195x595x88				1550		46	3600	78
SAC D4 MM VDU PF (2x4)					2200		69	4800	70

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS **LED**

SDL Linear Louvre Series

Features & Benefits

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°. Glare control UGR <16.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

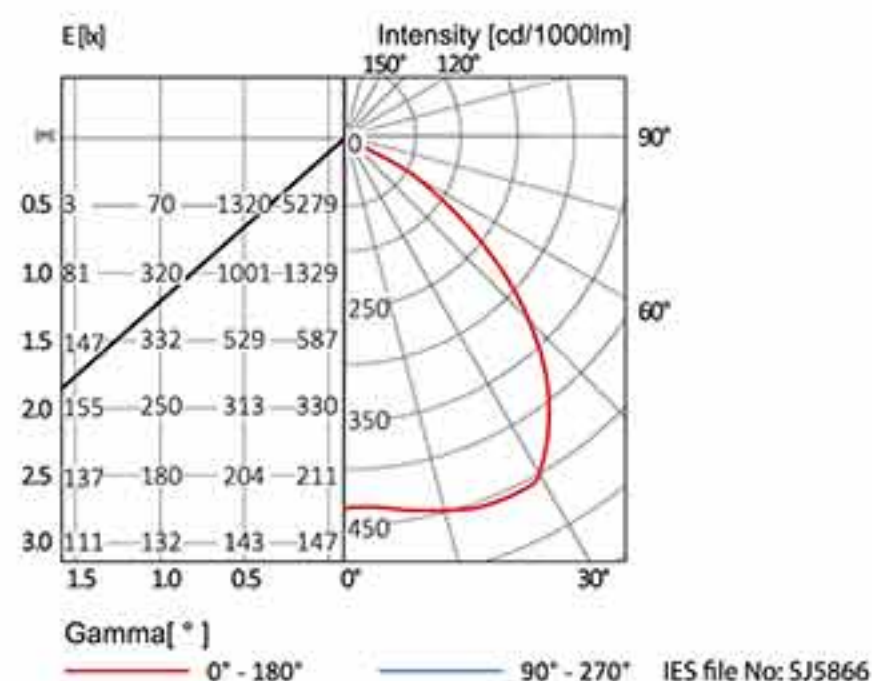
Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted U Shape
Louvre Material	High Quality Anodised Aluminium
Louvre Type	Specular

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

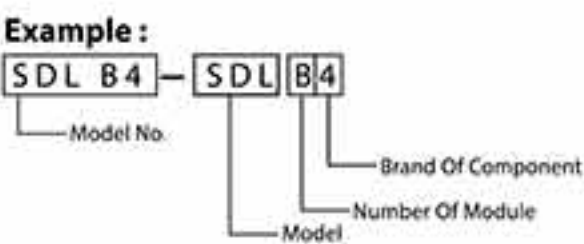


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SDL B4 (2x2)	595x595x88	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2050	89
SDL B4 (2x2)					2200		34	3000	88

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED SLR Linear Louvre Series

Features & Benefits

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. Glare control index < 16 and improve uniformity >0.70.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

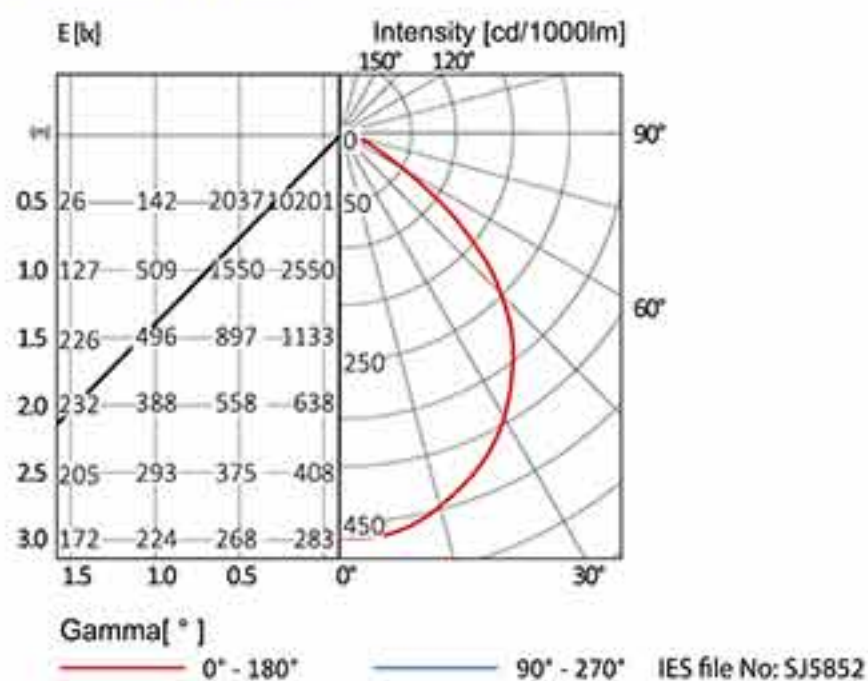
Optics

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

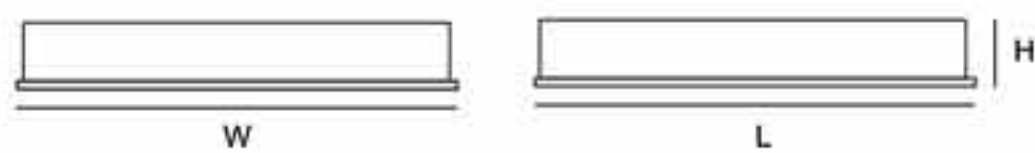
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

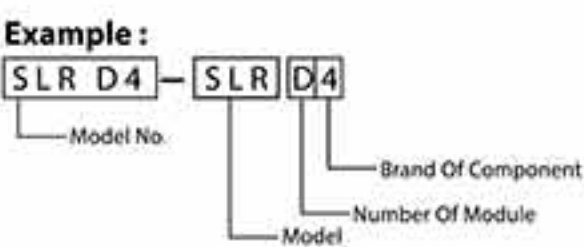


Dimension



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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SLR D4 (2x2)	615x615x80	CertaDrive	CertaFlux	20x560	1550	830/840/865	46	3900	85
SLR D4 (2x2)					2200		69	5500	80

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED

SFD Linear Diffused Series

Features & Benefits

Designed for recess mounting ceiling. LED direct & indirect panel lights with flat surface 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

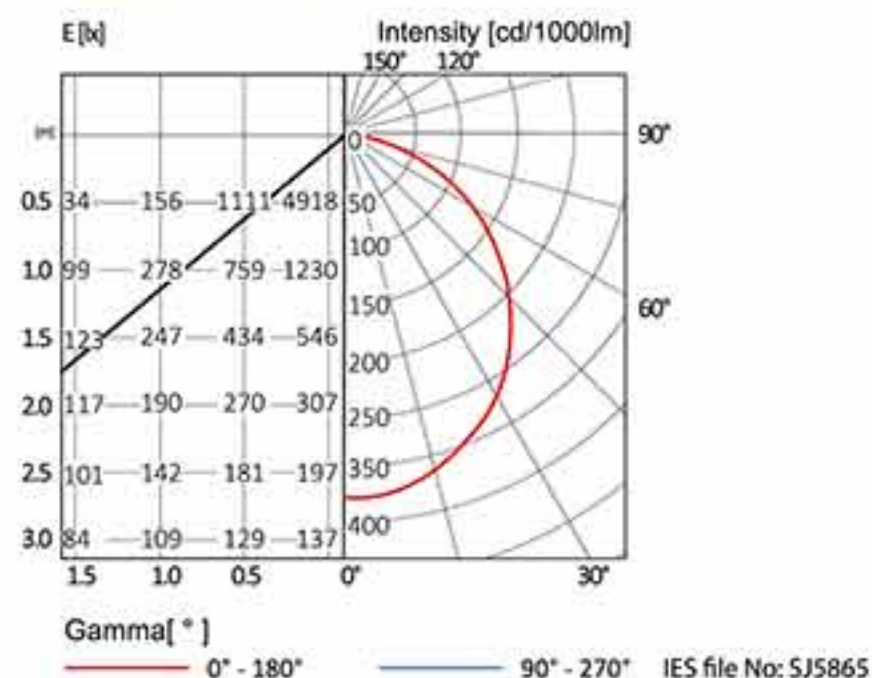
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

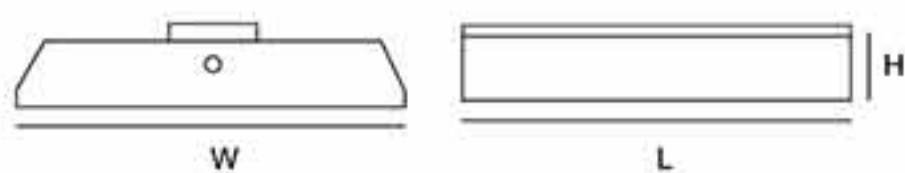
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

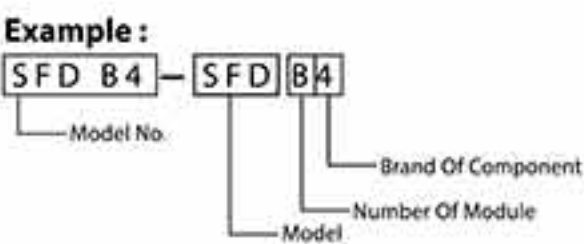


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SFD B4 (2x2)	595x595x96	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2300	100
SFD B4 (2x2)					2200		34	3250	96

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED

SGI Linear Diffused Series

Features & Benefits

Designed for recess mounting ceiling. LED direct and indirect panel lights with shallow U tube 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

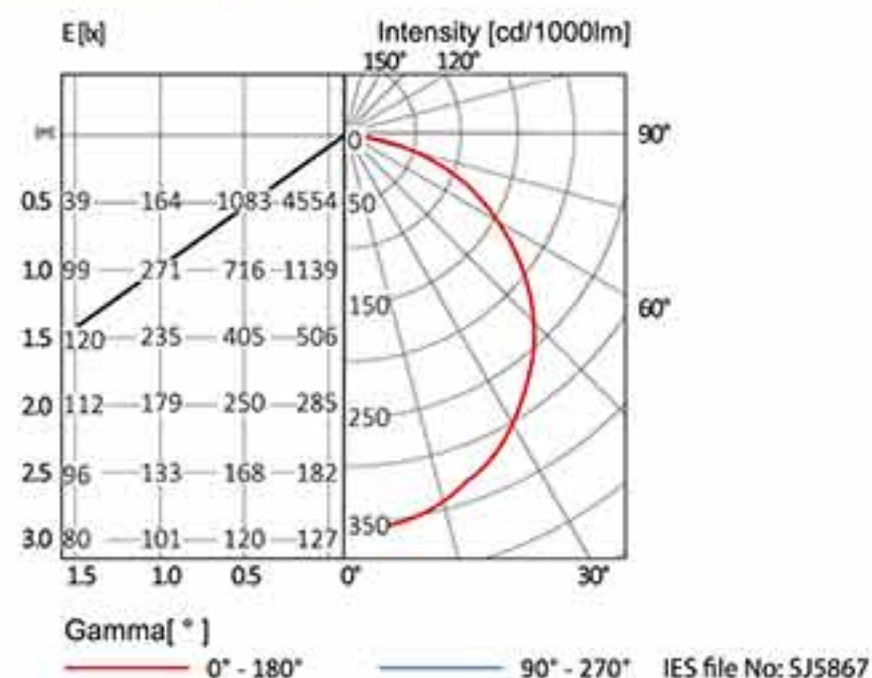
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

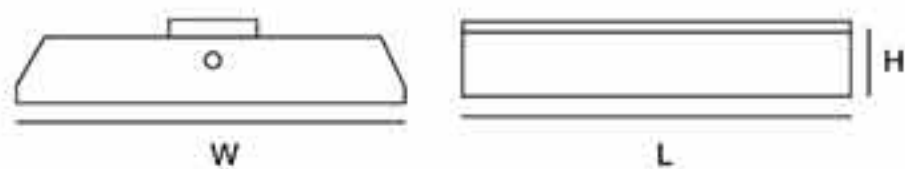
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

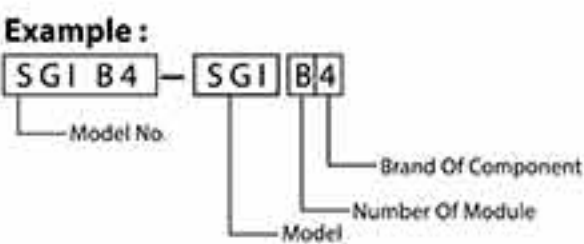


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SGI B4 (2x2)	595x595x88	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2250	98
SGI B4 (2x2)					2200		34	3200	94

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology

AURORAS LED

SLI Linear Diffused Series



Features & Benefits

Designed for recess mounting ceiling. LED direct & indirect panel lights with obround 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

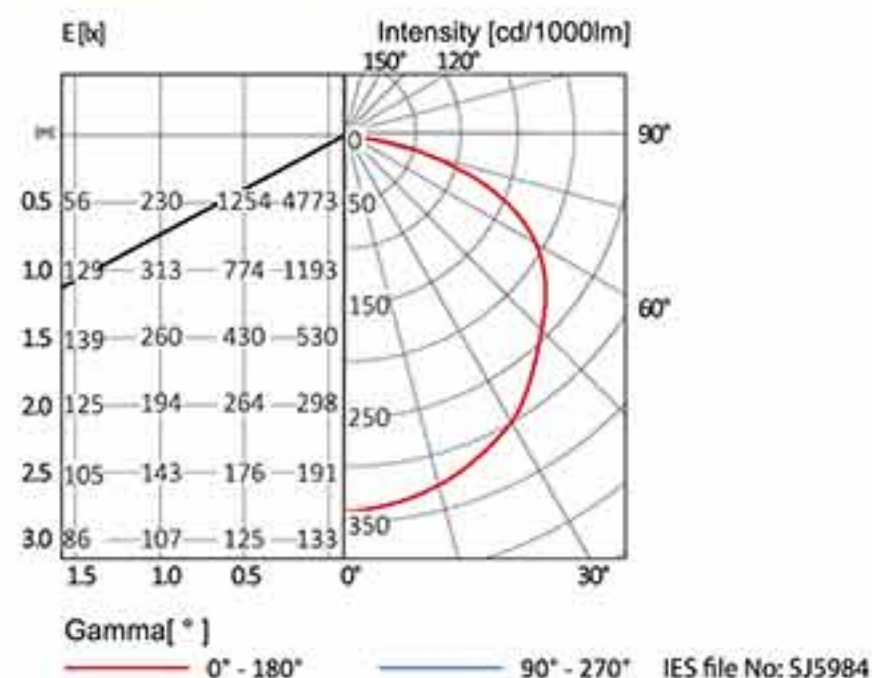
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

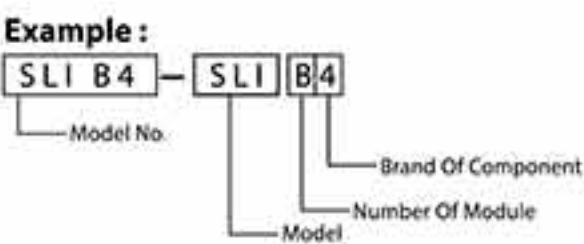


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SLI B4 (2x2)	595x595x85	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2400	104
SLI B4 (2x2)					2200		34	3450	101
SLI D4 (2x4)	1195x595x85				1550		46	4800	104
SLI D4 (2x4)					2200		69	6950	101

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED

SGP Linear Diffused Series

Features & Benefits

Designed for recess mounting ceiling. LED double row panel lights with shallow U tube 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

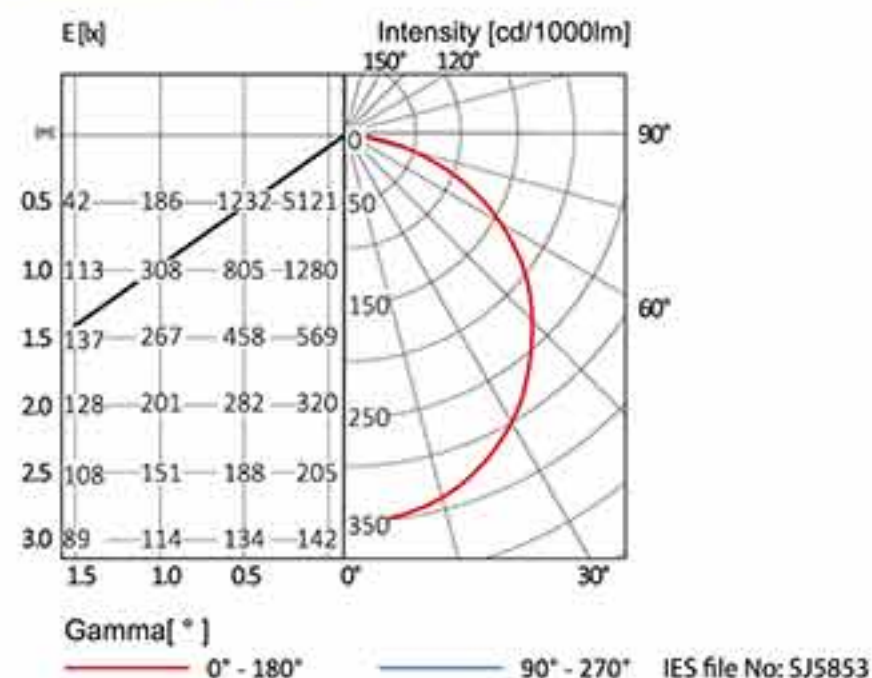
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

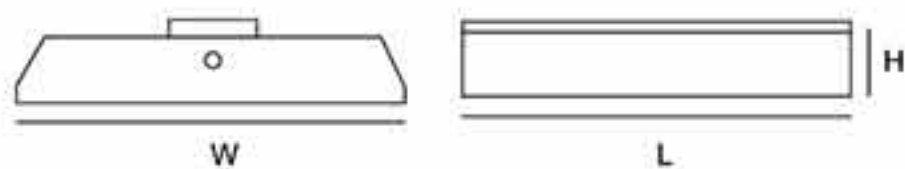
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

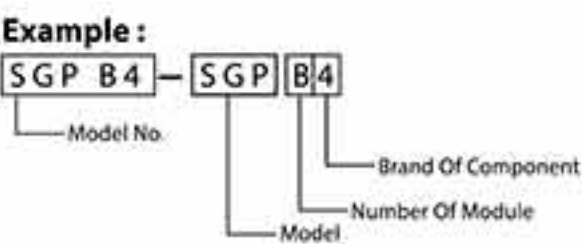


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SGP B4 (2x2)	600x600x49	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2550	111
SGP B4 (2x2)					2200		34	3600	106

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS **LED** SWL Linear Diffused Series

Features & Benefits

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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

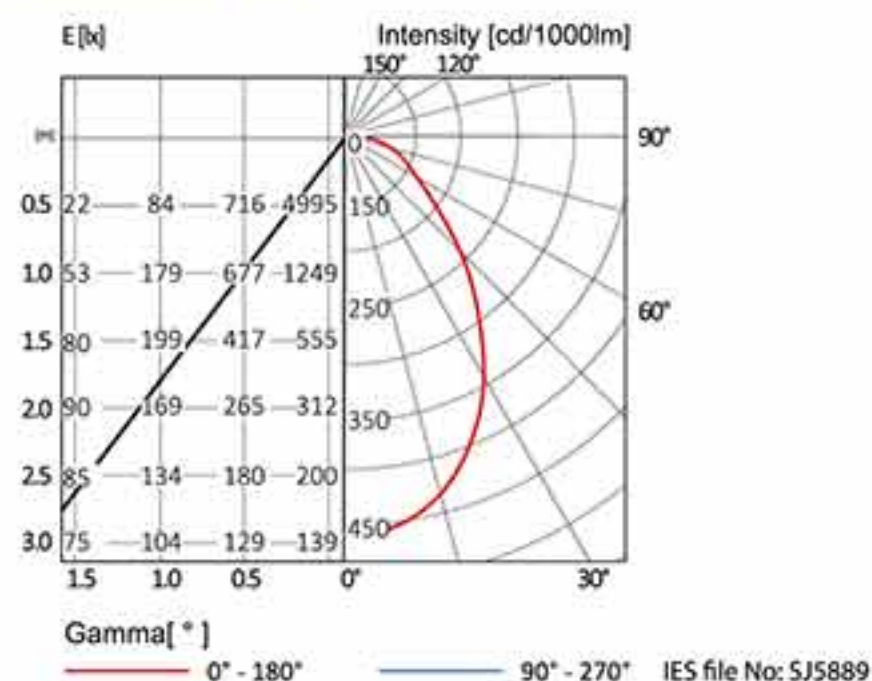
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

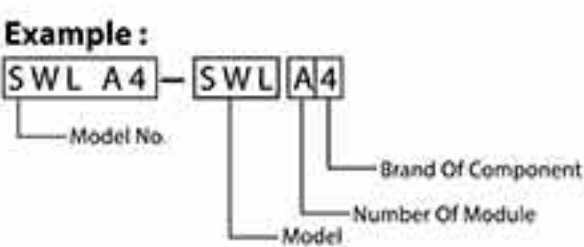


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SWL A4 (1x2)	595x295x40	CertaDrive	CertaFlux	20x560	1550	830/840/865	12	1250	104
SWL A4 (1x2)					2200		17	1800	106
SWL B4 (2x2)	595x595x40				1550		23	2650	115
SWL B4 (2x2)					2200		34	3750	110
SWL B4 (1x4)	1195x295x40				1550		23	2550	111
SWL B4 (1x4)					2200		34	3700	109
SWL B4 (2x4)	1195x595x40				1550		23	2600	113
SWL B4 (2x4)					2200		34	3700	109
SWL D4 (2x4)					1550		46	5350	116
SWL D4 (2x4)					2200		69	7750	112

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED

SFM Linear Diffused Series

Features & Benefits

Designed for recess mounting ceiling. LED double row panel lights with flat surface 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

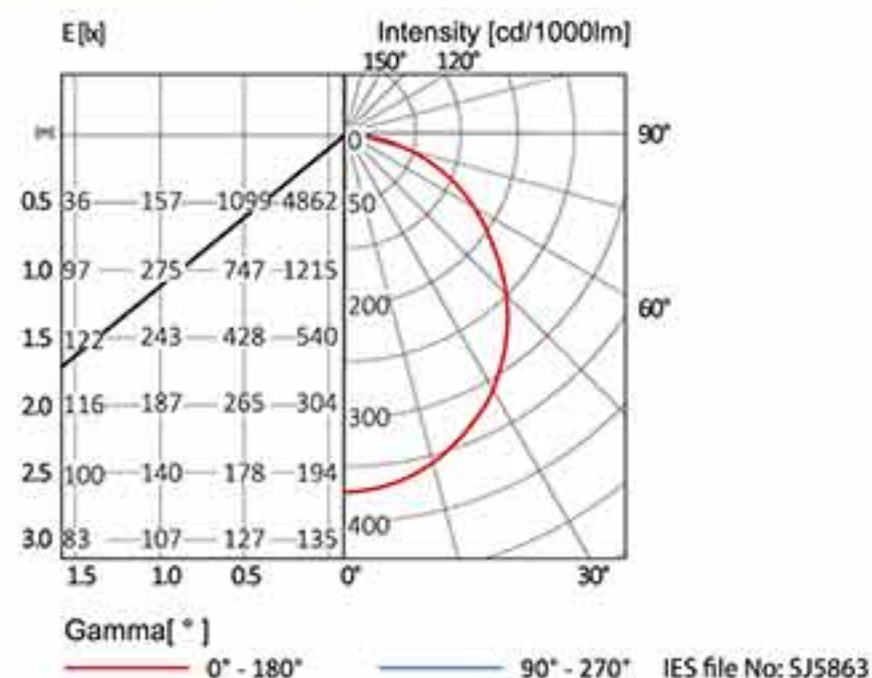
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

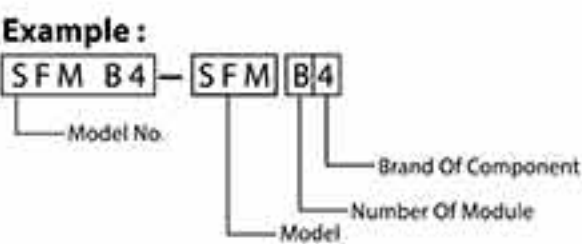


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SFM B4 (2x2)	595x595x68	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2250	98
SFM B4 (2x2)					2200		34	3250	96

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS **LED**

SAD Linear Diffused Series

Features & Benefits

Designed for recess mounting ceiling. LED panel lights with air-return slot, 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

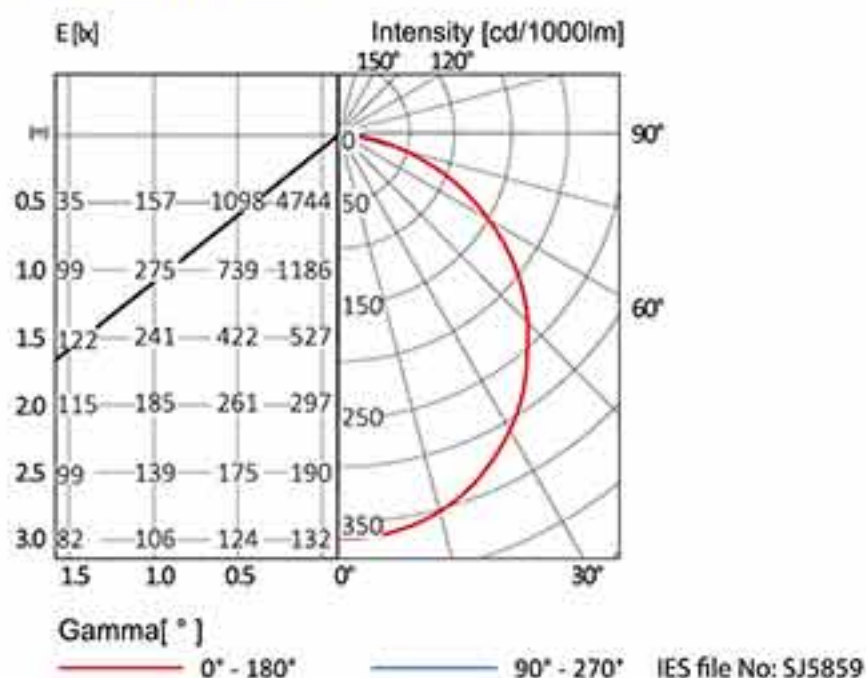
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

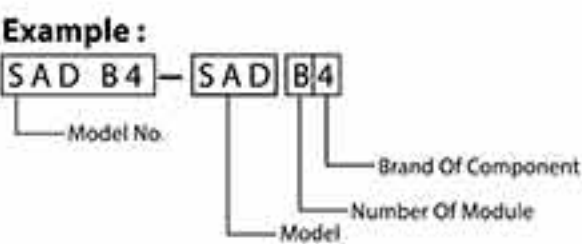


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SAD B4 (2x2)	595x595x40	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	2250	98
SAD B4 (2x2)					2200		34	3300	97

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED

SSH Linear Diffused Series

Features & Benefits

Designed for recess and pendant mounting ceiling. LED 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Recessed/Pendant
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

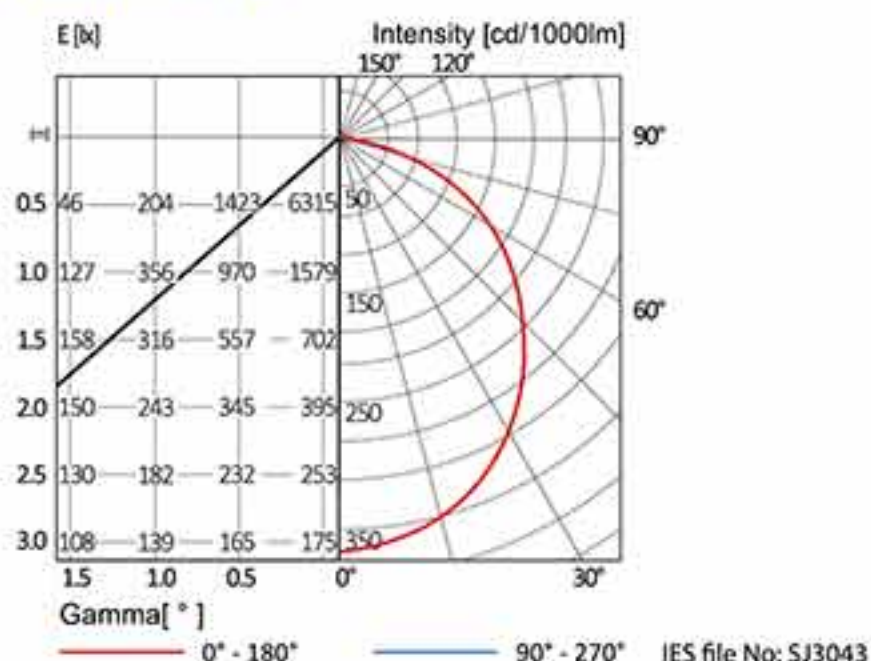
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

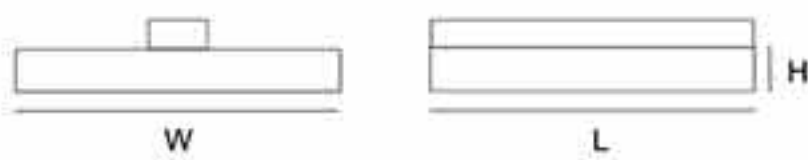
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

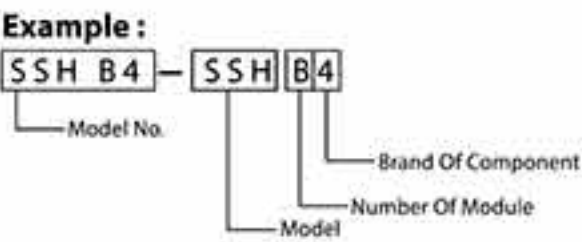


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SSH DS	600x600x47	Tridonic SNC	Tridonic QLE	270x270	1500	830/840/850	44	4300	98

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS **LED**

SSL Linear Diffused Series

Features & Benefits

Designed for surface mounting ceiling. LED direct & indirect panel lights with obround 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

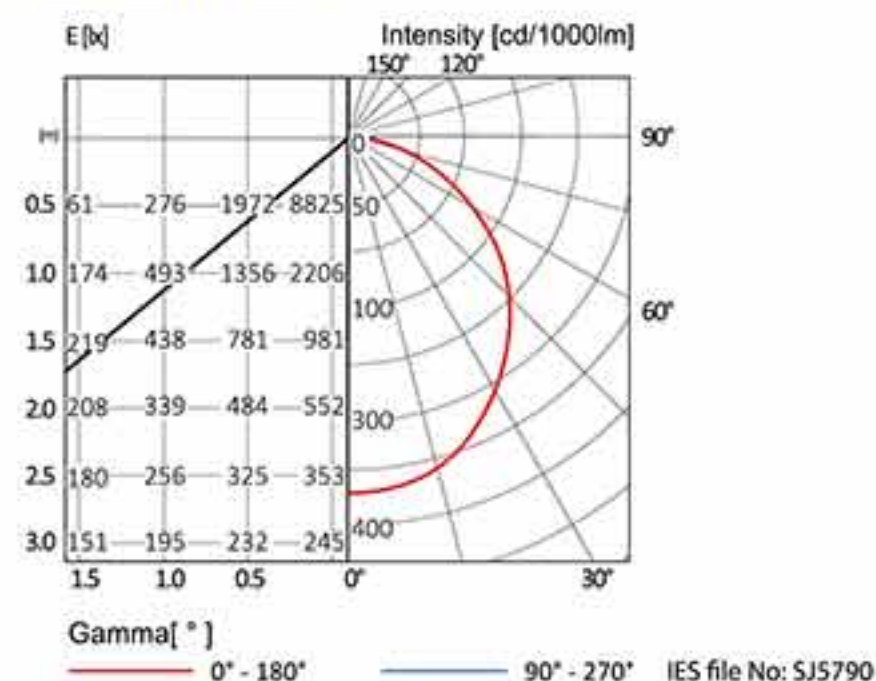
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

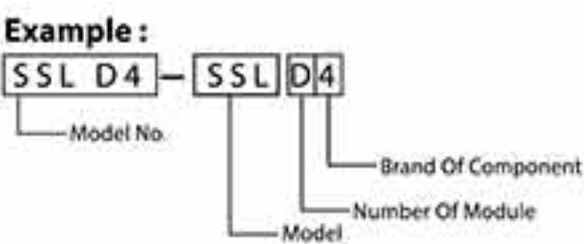


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SSL D4 (2x2)	595x595x100	CertaDrive	CertaFlux	20x560	1550	830/840/865	46	4150	90
SSL D4 (2x2)					2200		69	5900	86

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS LED

SHD Linear Diffused Series

Features & Benefits

Designed for recess or surface mounting ceiling. LED double row diffuser 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. Glare control UGR <19.

Application

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

Luminaire Product Description

Mounting	Surface/Recessed
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

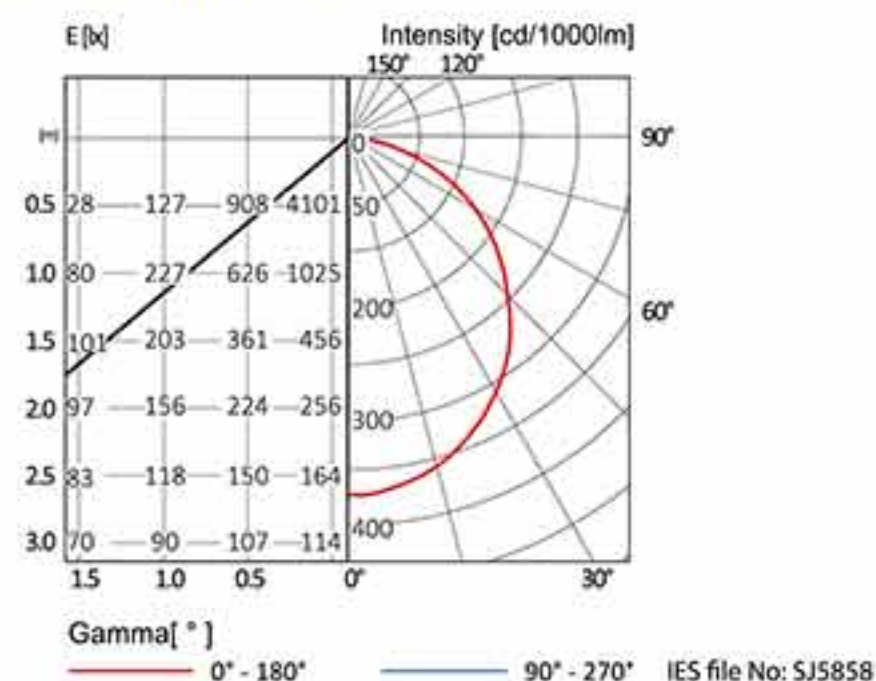
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

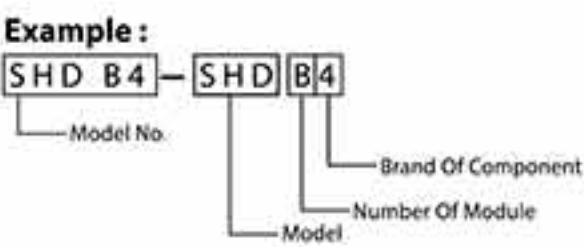


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	Module Dimension (WxL) (mm)	Nominal Lumen Per Modules (lm) @25°C	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SHD B4 (2x2)	595x595x50	CertaDrive	CertaFlux	20x560	1550	830/840/865	23	1900	83
SHD B4 (2x2)					2200		34	2750	81

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



AURORAS **LED**

SP 100 Slim Panel Light Series

Features & Benefits

Provide smooth lighting distribution and high lumen output, energy saving up to 60% and long life span.

Application

Ideal for supermarket, retail store, factories, office, exhibition hall and etc.

Luminaire Product Description

Mounting	Surface/Recessed/Pendant
Housing Material	Aluminium
Power Supply	220V-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	30,000hrs
Optional Accessories	Suspension chain / Metal frame

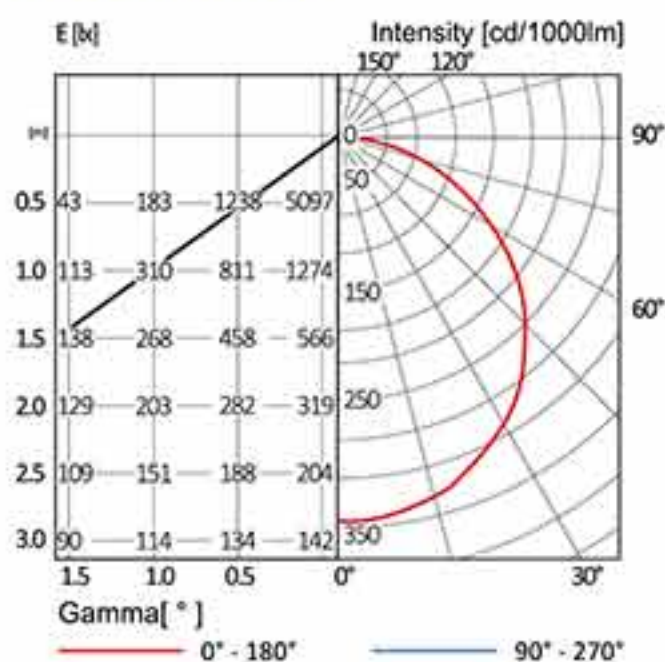
Optics

Diffuser Material	Polystyrene
Diffuser Pattern	Frosted

Control

Dimming Option	Fixed Output
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Photometric

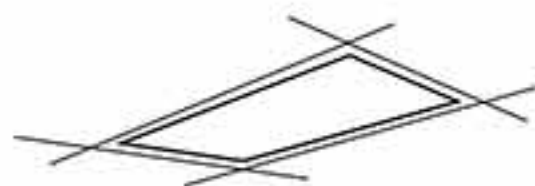


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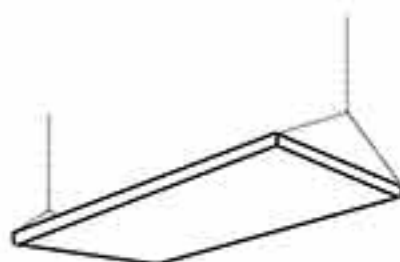
Dimension



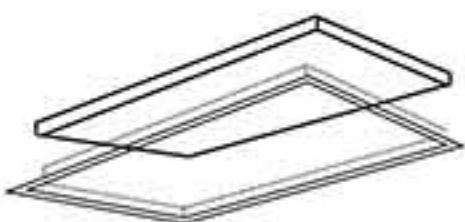
Mounting Type



Recessed
(*T* Bar Ceiling)



Pendant / Surface
(Suspended Chain Added)



Wood / Plaster Mounting
(Metal Frame Added)

Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SP 100.40 (2x2)	595x595x9 (Metric) 600x600x9 (Imperial)	Xitanium	Samsung/SEOUL	830/840/865	40	3650	91
SP 100.40 (1x4)	1195x295x9 (Metric) 1210x300x9 (Imperial)					3700	93
SP 100.60 (2x4)	1195x595x9 (Metric)				54	5200	96
	1210x600x9 (Imperial)						

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology

PLUTO LED

SL 112/SL 113 Downlight Series



Features & Benefits

Recessed mounted LED Downlight in white finish with anti-glare diffuser and separate energy efficient electronic driver.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Polycarbonate
Power Supply	220-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	>20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	25,000hrs

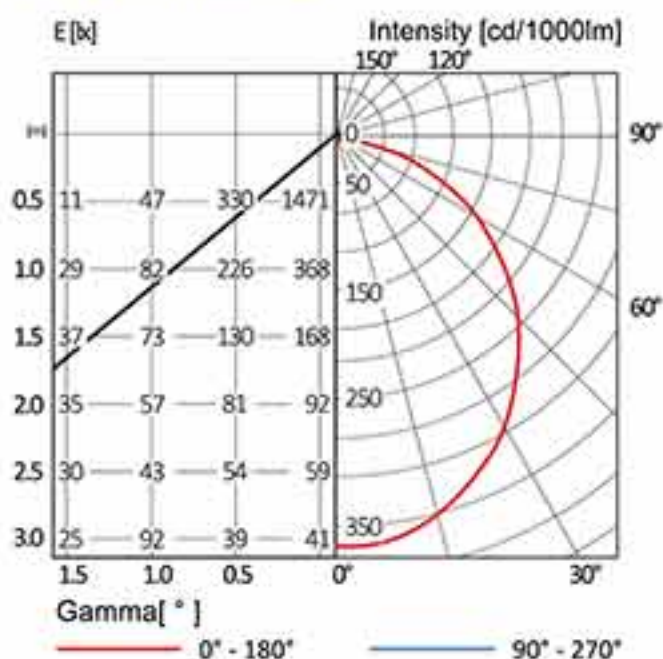
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

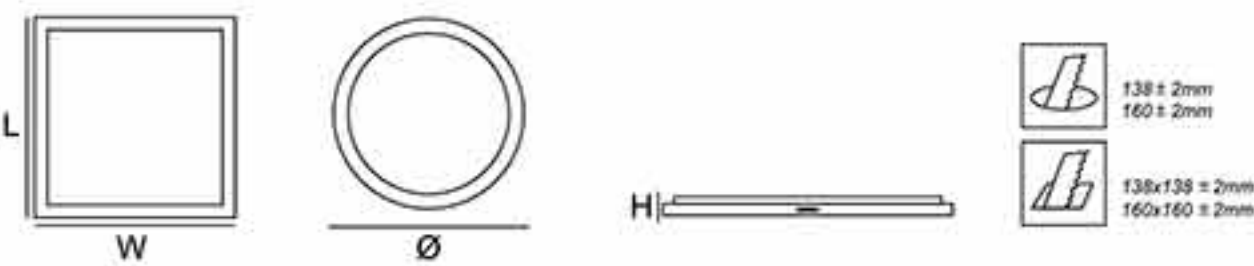
Control

*Dimming Option	Fixed Output
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Photometric



Dimension



Order Information

Model No.	Dimension (Ø xH) (LxWxH) (mm)	Driver Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 112.4 SQ	150x150x25	CertaDrive	830/840/865	13	1000	77
SL 112.6 SQ	175x175x25			19	1550	82
SL 113.4 RD	150x25			13	1050	81
SL 113.6 RD	175x25			19	1550	82

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology

PLUTO LED

SL 173/SL 176/SL 181/SL 184 Downlight Series



Features & Benefits

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.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.90
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

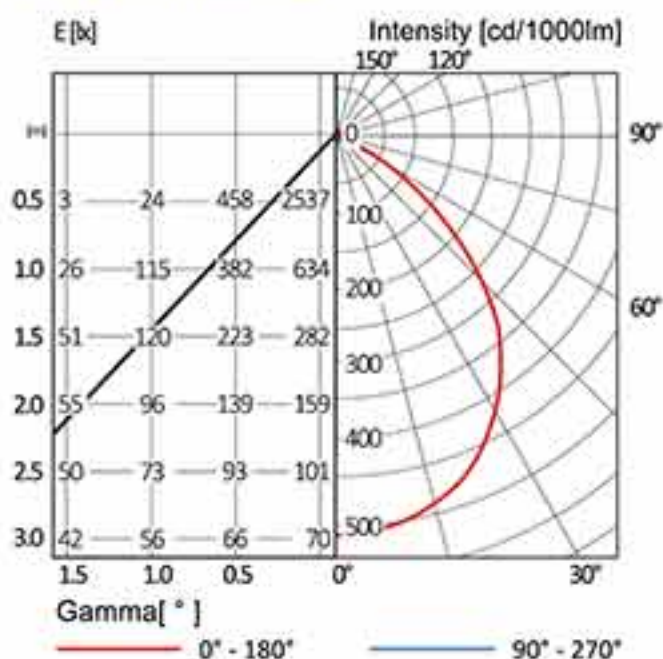
Optics

Diffuser material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	White Paint Die cast Aluminium

Control

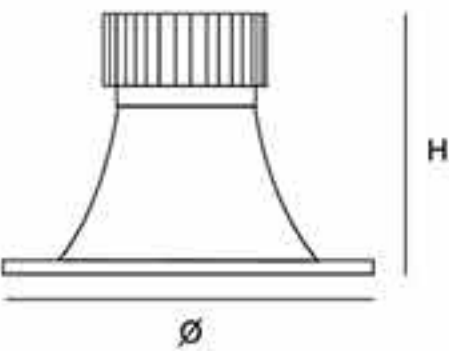
*Dimming Option	Fixed Output
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Photometric



IES file No: SJ5068

Dimension



	SL173-135 ± mm SL176-235 ± mm SL181-181 ± mm SL184-220 ± mm
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Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 173	160x60	CertaDrive	Cree CXA	830/840/865	11	800	73
SL 173					16	1200	75
SL 181	188x98				22	2000	91
SL 181					30	2450	82
SL 176	235x165	Xitanium			41	4100	100
SL 184	250x206				67	6100	91

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology

PLUTO **LED**

SL 174 Downlight Series



Features & Benefits

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.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.90
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

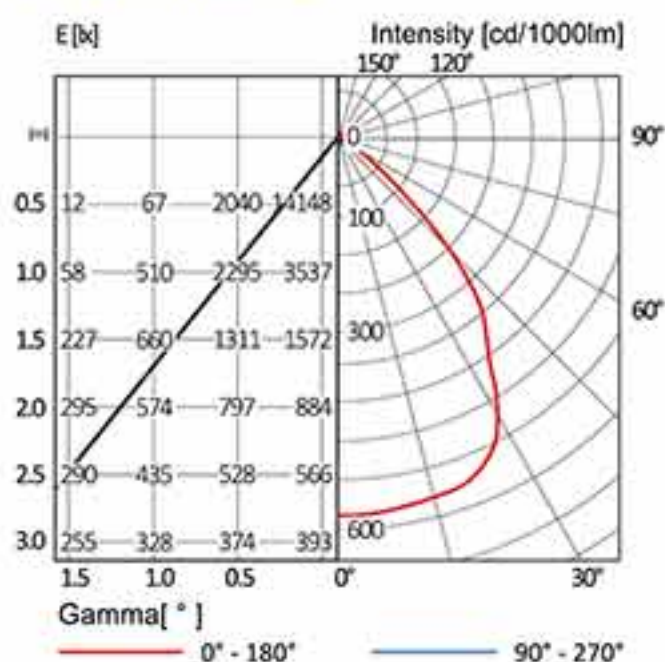
Optics

Diffuser material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	White Paint Die cast Aluminium

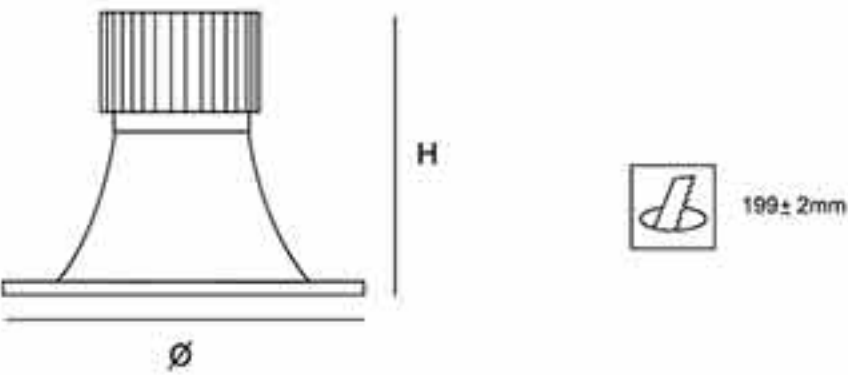
Control

*Dimming Option	Fixed Output/Dali
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Photometric



Dimension



Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 174	235x165	Xitanium	Cree CXA	830/840/865	49	4700	96
SL 174	235x210				67	6100	91

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology



PLUTO **LED**

SL 177 Downlight Series

Features & Benefits

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.

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Cold rolled steel
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.90
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

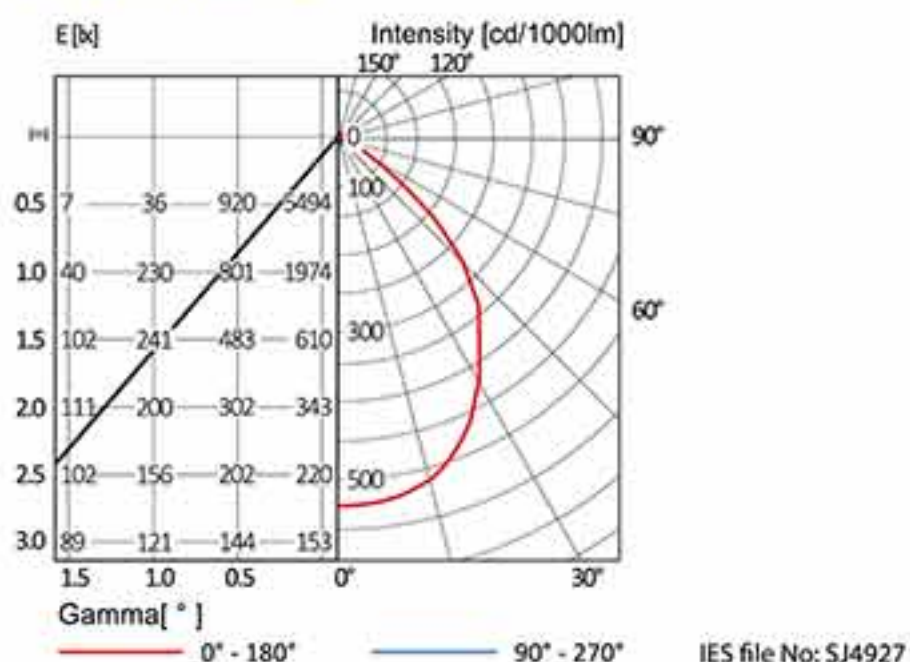
Optics

Diffuser material	Polycarbonate
Diffuser Pattern	Frosted
Reflector Material	White Paint Die cast Aluminium

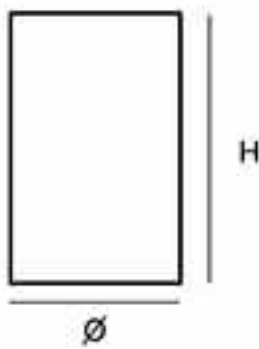
Control

*Dimming Option	Fixed Output/Dali
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Photometric



Dimension



Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 177.4	160x155	CertaDrive	Cree CXA	830/840/865	11	800	73
					16	1200	75
SL 177.6	188x155				22	2000	91
					30	2450	82
SL 177.6	188x205	Xitanium			41	4100	100
					49	4700	96

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Your partner in lighting technology

PLUTO **LED**

SL 189 Downlight Series



Features & Benefits

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

Application

Ideal for commercial building, offices, conference room, classroom, shops & etc.

Luminaire Product Description

Mounting	Recessed
Housing Material	Aluminium
Power Supply	220-240V 50/60Hz
Operating Temperature	-20°...+40°C
Power Factor	0.90
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	50,000hrs

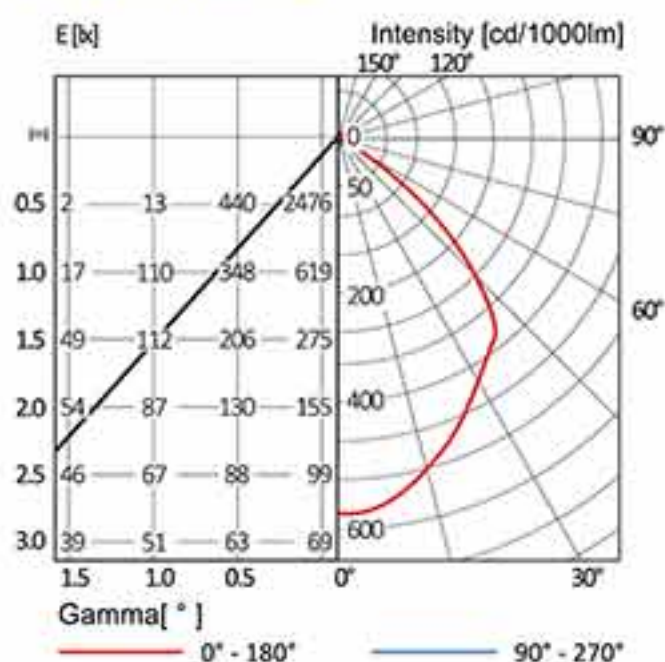
Optics

Reflector Material	Aluminium Reflector
Beam Angle	60°/90°

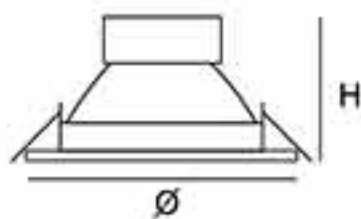
Control

*Dimming Option	Fixed Output
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Photometric

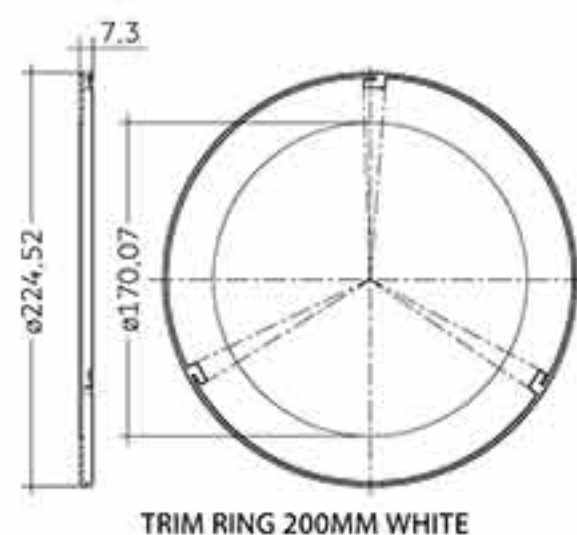
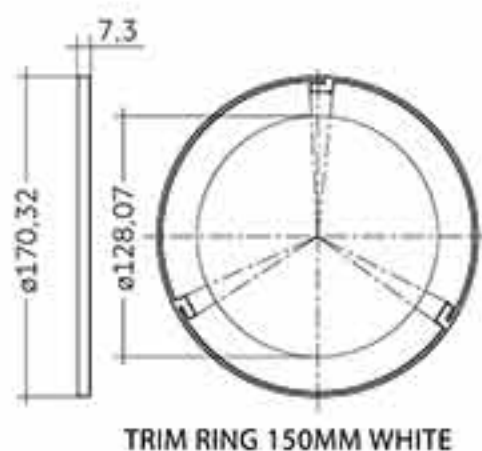
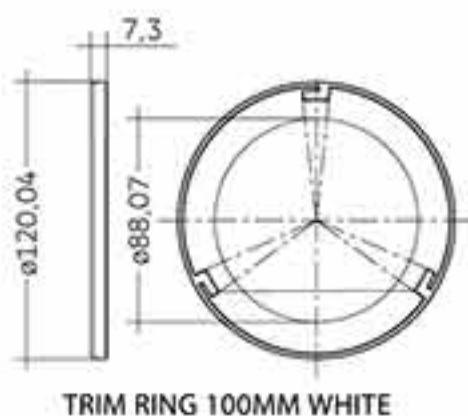


Dimension



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

Accessories



Reflector



Order Information

Model No.	Dimension (Ø x H) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 189.4	120x85	Tridonic DLA ECG	Tridonic DLA	830/840/865	10	1110	111
SL 189.6	170x115				10	1120	112
SL 189.6	170x115				20	2210	111
SL 189.8	225x135				20	2250	113
SL 189.8	225x135				30	3180	106

Note : Subject to ±1.5mm

*Other various types are available upon request.



Your partner in lighting technology

PLUTO **LED**

SL 190 Downlight Series



Features & Benefits

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

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Polycarbonate
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	30,000hrs

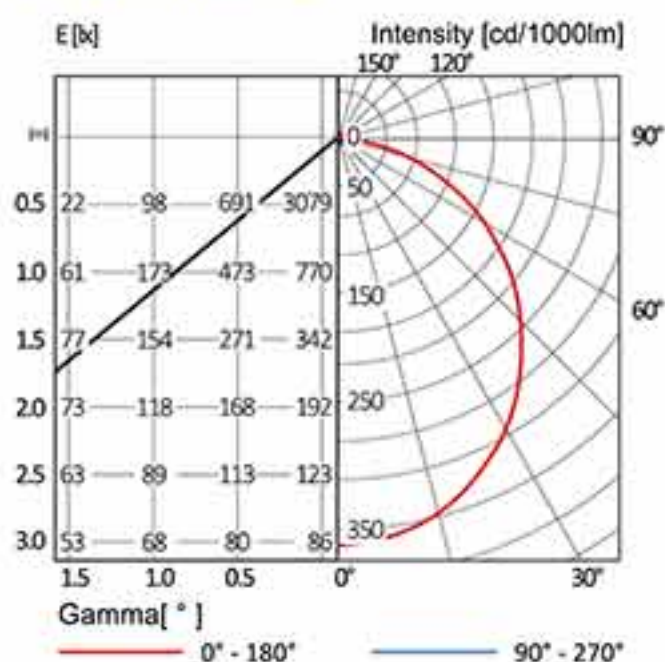
Optics

Diffuser Material	Polycarbonate
Diffuser Pattern	Frosted

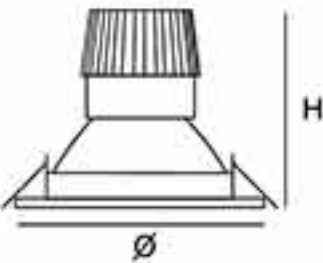
Control

*Dimming Option	Fixed Output
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Photometric



Dimension



SL 190 (4") - 105 ± 2 mm
SL 190 (6") - 155 ± 2 mm
SL 190 (8") - 205 ± 2 mm

Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 190 (4")	120x36	CertaDrive	DLM Slim	830/840/865	10	1030	103
SL 190 (4")					12	1178	98
SL 190 (6")	170x36				12	1277	106
SL 190 (6")					15	1510	101
SL 190 (6")					20	2095	105
SL 190 (8")					20	2134	107
SL 190 (8")	223x37				23	2390	104

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology

COMET LED

SL 265 Tracklight Series



Features & Benefits

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

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Die cast Aluminium
Power Supply	220-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs/50,000hrs

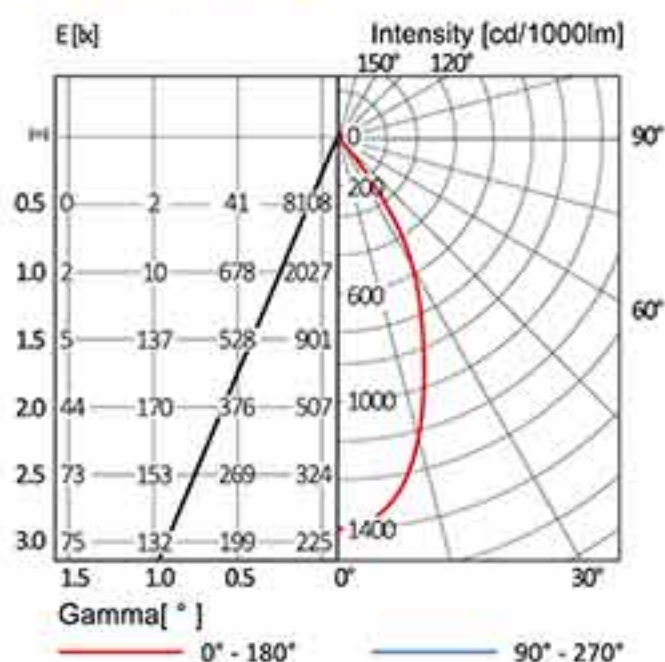
Optics

Reflector Material	Aluminium Reflector
Reflector Angle	15° / 30° / 40° / 55°

Control

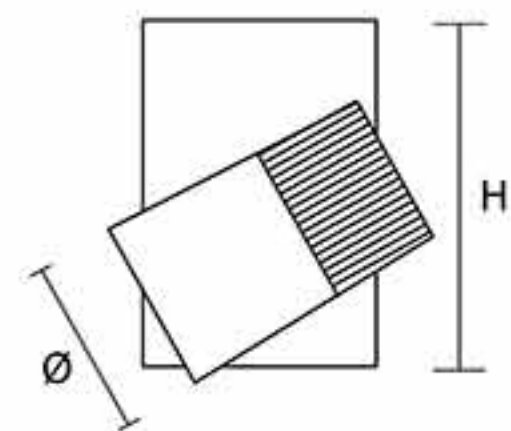
*Dimming Option	Fixed Output
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Photometric



IES file No: SJ5800

Dimension



Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 265	110x150	CertaDrive / Xitanium	Cree CXA	830/835/840	8	650	81
					15	1250	83
					22	2000	91
					30	3000	100

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology

PLUTO LED

SL 266 Adjustable Downlight Series



Features & Benefits

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

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Die cast Aluminium
Power Supply	220-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	>20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	30,000hrs / 50,000hrs

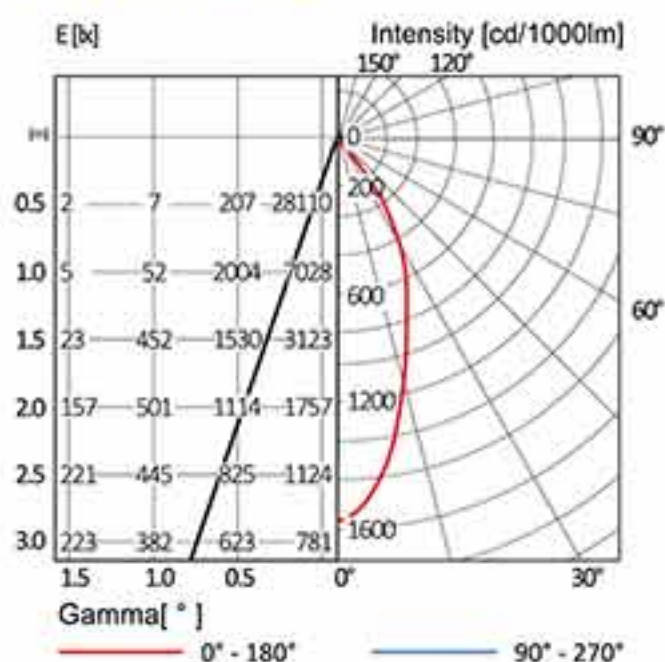
Optics

Reflector Material	Aluminium Reflector
Diffuser Pattern	Clear Acrylic
Beam Angle	12° / 20° / 30° / 45° / 55°

Control

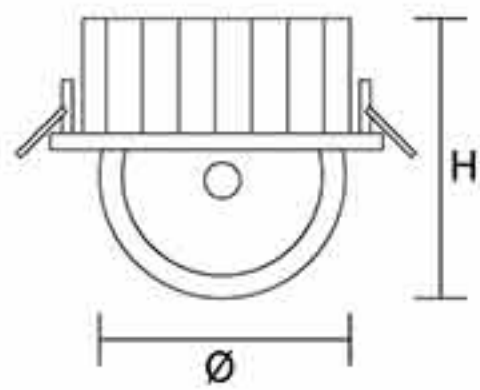
*Dimming Option	Fixed Output
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Photometric



IES file No: SJS802

Dimension



Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 266	195x145	CertaDrive/ Xitanium	Cree CXA	830/835/840	22	2000	91
					30	3000	100
					43	4000	93

Note : Subject to +/- 1.5mm

Other various types are available upon request.

PLUTO LED

CL 100 / CL 101 Downlight Series



Features & Benefits

Recessed mounted LED Downlight in white finish with anti-glare diffuser and separate energy efficient electronic driver.

Application

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

Luminaire Product Description

Mounting	Recessed
Housing Material	Polycarbonate
Power Supply	220-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	>20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	25,000hrs

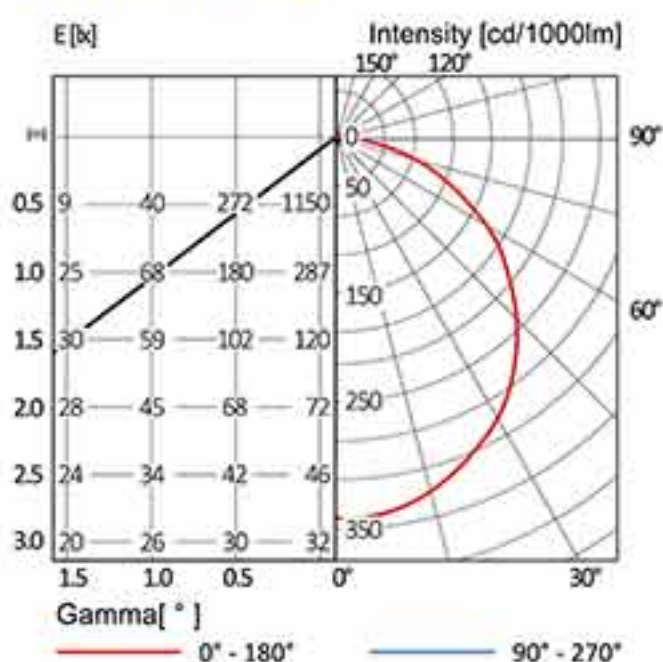
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

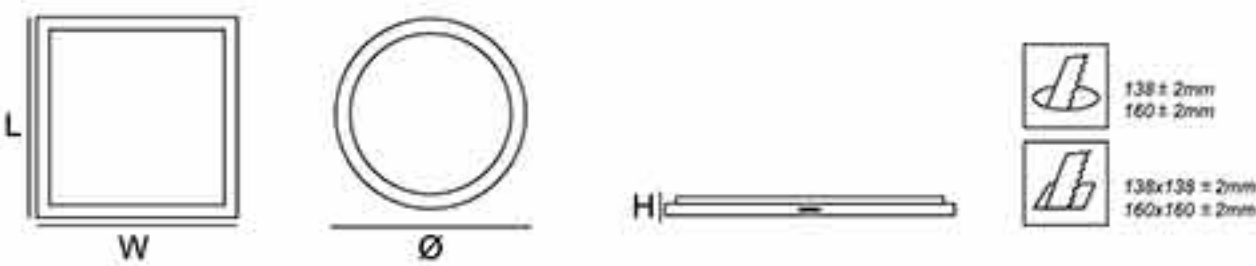
*Dimming Option	Fixed Output
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Photometric



IES file No: SJ5183

Dimension



Order Information

Model No.	Dimension (Ø xH) (LxWxH) (mm)	Driver Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
CL 100.4 RD	150x25	SJ Lite Eco	830/840/865	10	800	80
CL 100.6 RD	175x25			18	1400	78
CL 101.4 SQ	150x150x25			10	800	80
CL 101.6 SQ	175x175x25			18	1400	78

Note : Subject to +/- 1.5mm

Other various types are available upon request.

PLUTO LED

CL 102 / CL 103 Ceiling Light Series



Features & Benefits

Surface mounted LED ceiling light in white finish with anti-glare diffuser.

Application

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

Luminaire Product Description

Mounting	Surface
Housing Material	Polycarbonate
Power Supply	220V-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.5
Total Harmonic Distortion	>20%
Ingress Protection	IP20
Insulation Classification	Class II
Life Cycle	25,000hrs

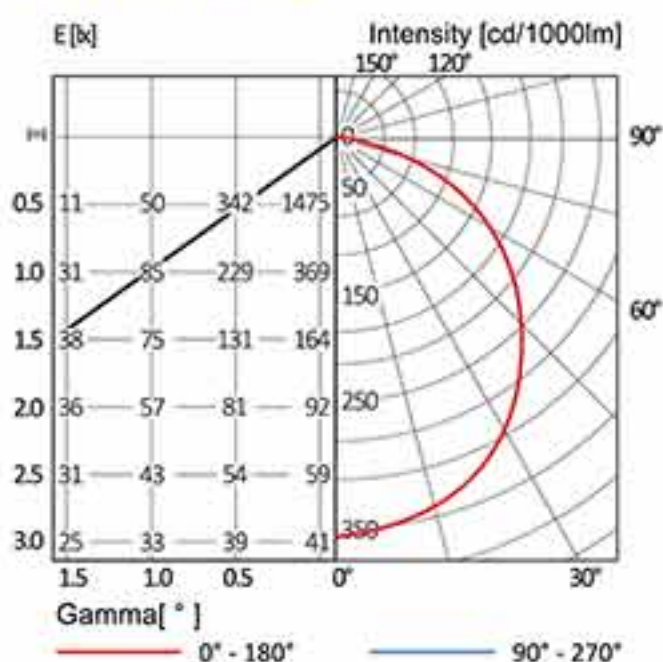
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Control

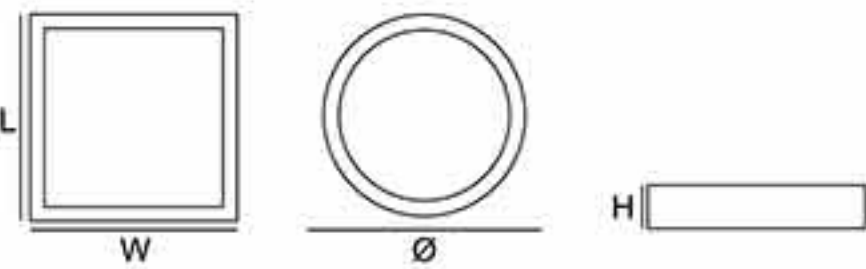
*Dimming Option	Fixed Output
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Photometric



IES file No: SJ5018

Dimension



Order Information

Model No.	Dimension (Ø xH) (LxWxH) (mm)	Driver Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
CL 102.6 RD	175x35	Integrated	830/840/865	12	1000	83
CL 102.8 RD	225x35			18	1750	97
CL 103.6 SQ	175x175x35			12	1000	83
CL 103.8 SQ	225x225x35			18	1850	103

Note : Subject to +/- 1.5mm

*Other various types are available upon request.



Smart Lighting Solutions

LED CONNECTED DOWNLIGHT

SJT ZB Tunable White Downlight 



Features & Benefits

Die casting design to provide low temperature of chip and long lifespan. Recessed trim for incredible aesthetics. On/off/ dim and tunable white functions. No glare brings comfortable lighting experience.

Application

Ideal for residential & commercial.

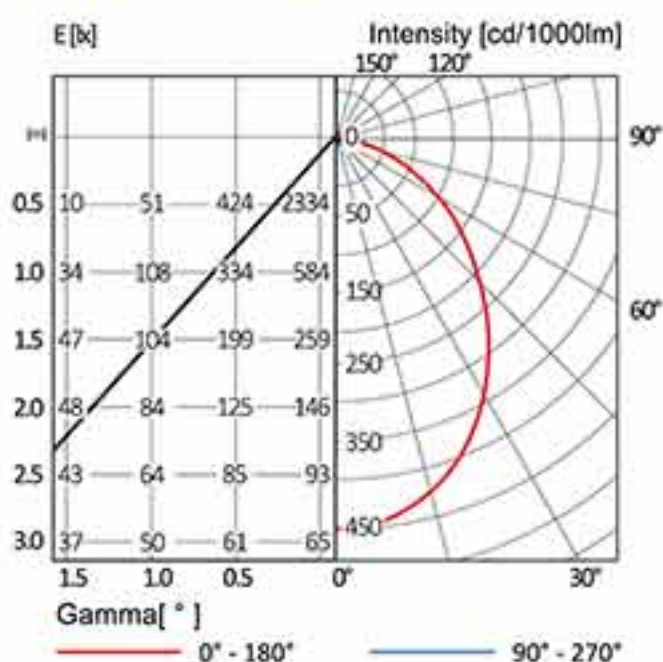
Luminaire Product Description

Mounting	Recessed
Housing Material	Polycarbonate
Power Supply	220-240V 50/60Hz
Operating Temperature	45°C
Power Factor	0.9
Total Harmonic Distortion	>20%
Ingress Protection	IP20
Insulation Classification	Class II
Accessories	Remote Control / Gateway
Life Cycle	25,000hrs

Optics

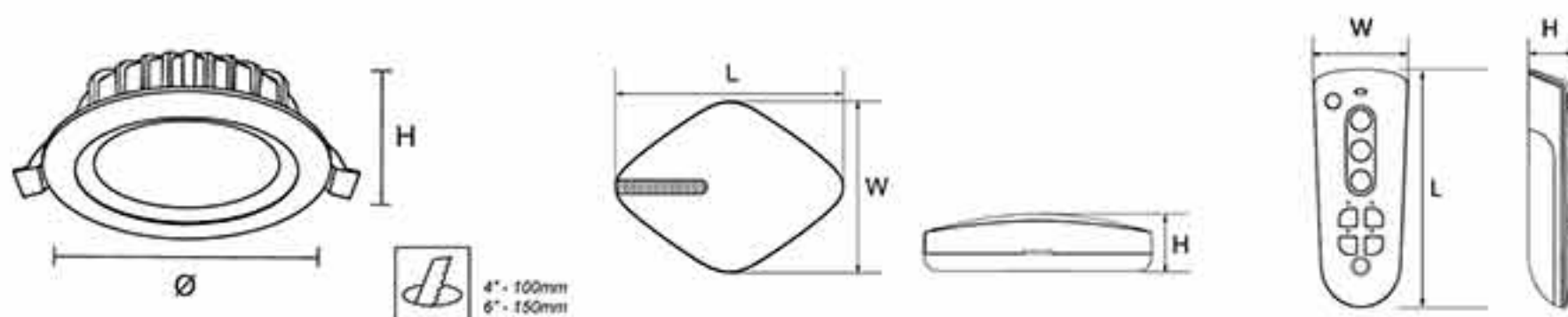
Diffuser Material	Acrylic
Diffuser Pattern	Frosted

Photometric



IES file No: SJ5415

Dimension



Order information

Connected A60

Model No.	Dimension (Ø x H) (mm)	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)	*Control
XDLSJZBAFA10W654	120X52	827-865	10	800	80	Local Control/Remote Control
XDLSJZBAFA15W656	170X58		16	1250	78	

Remote Control

Model No.	Dimension (LxWxH) (mm)	Operating Temperature (°C)	Operating Range	Power Source	Operating Humidity
RZZSJZBDCCTRCORL	114.5x46x22	-20~40°C	30m	AAAx2	5%~95% RH, Non-Condensing

Zigbee Gateway

Model No.	Dimension (LxWxH) (mm)	Operating Temperature (°C)	Input Current	Operating Humidity
RZZSJZBDIAGATWAY	133x100x34	-20~40°C	Max 2A	5%~95% RH, Non-Condensing

Note : Subject to +/- 1.5mm

Other various types are available upon request.

Application



► Experience by using Mobile Phone / Tablet to control your Lighting.



Your partner in lighting technology

VENUS LED

SL 401/SL 408 Lowbay Series



Features & Benefits

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

Application

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

Luminaire Product Description

Mounting	Surface/Hook
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	-20°C ~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	50,000hrs

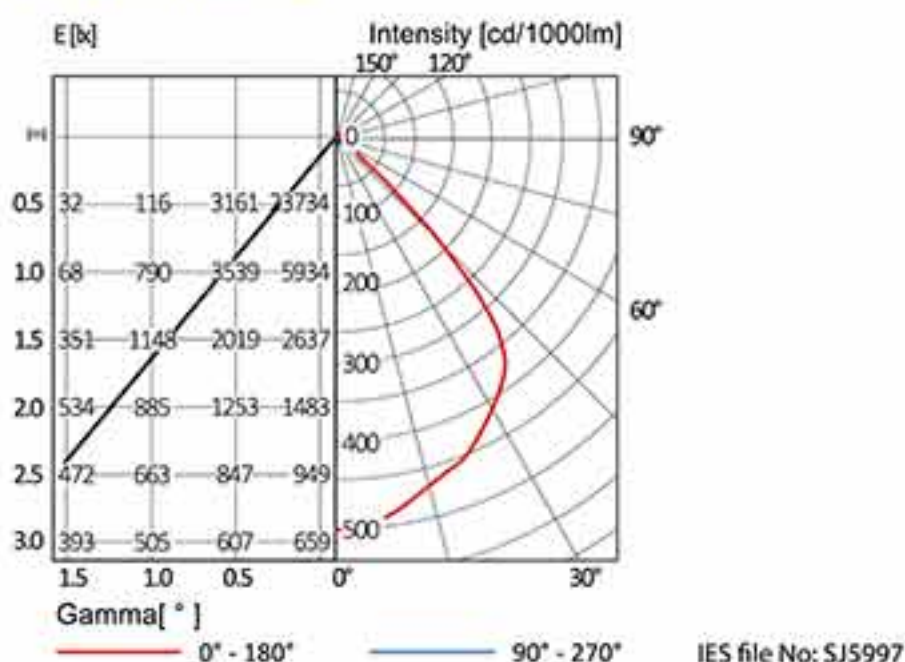
Optics

Optical Lens	Beam angle 100°
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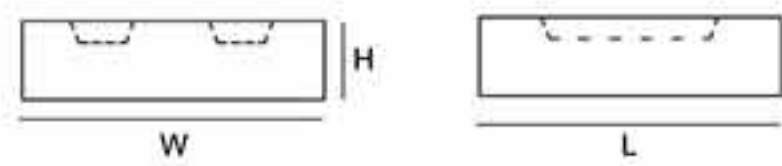
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric



Dimension



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)			
SL 408.1	445x215x95	Osram Optotronic OT	Osram PrevaLED Sky	740/765	32	2950	92			
SL 408.1					58	6000	103			
SL 401.2	365x365x95				60	6000	100			
SL 401.2					112	11800	105			

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology

URANUS LED

SL 407 Highbay Series



Features & Benefits

Die cast aluminum 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

Application

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

Luminaire Product Description

Mounting	Pendant
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	-20°C ~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	50,000hrs

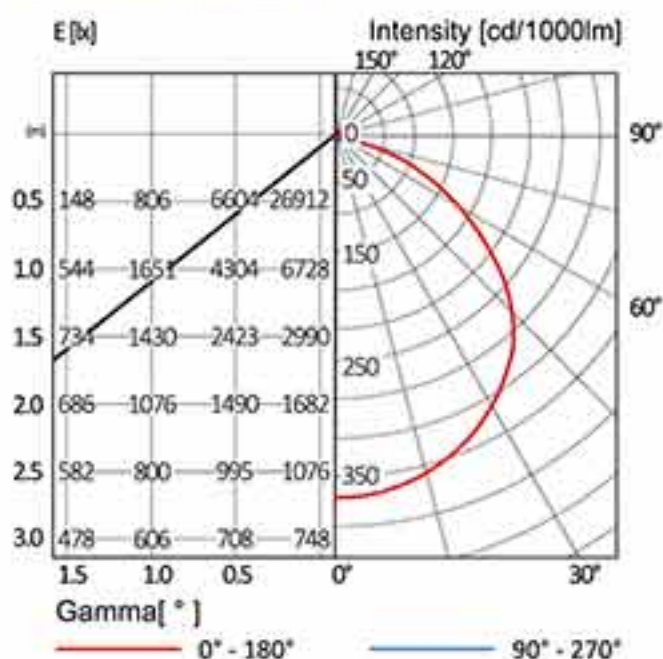
Optics

Diffuser Material	Clear Tempered Glass
Beam Angle	45°/60°/90°/120°

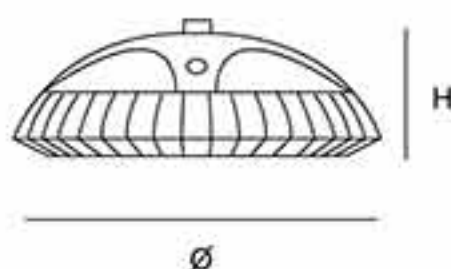
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric



Dimension



Options :



Motion Sensor



90° Aluminum Reflector



70° Aluminum Reflector



60° PC Lampshade
** Only for 50-150W

Clear polycarbonate LED Diffuser



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

Order Information

Model No.	Dimension (Ø xH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 407.100	360x180	Meanwell / Xitanium	Nichia / Lumileds	740/765	103	12550	122
SL 407.150	360x180				152	18250	120
SL 407.200	420x200				204	25450	125

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology



URANUS LED

SLT Linear Highbay Series

Features & Benefits

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.

Application

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

Luminaire Product Description

Mounting	Surface/Pendant
Housing Material	Cold Roll Sheet
Power Supply	240V 50Hz
Operating Temperature	45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP20
Insulation Classification	Class I
Life Cycle	50,000hrs
Optional Diffuser	Clear Acrylic

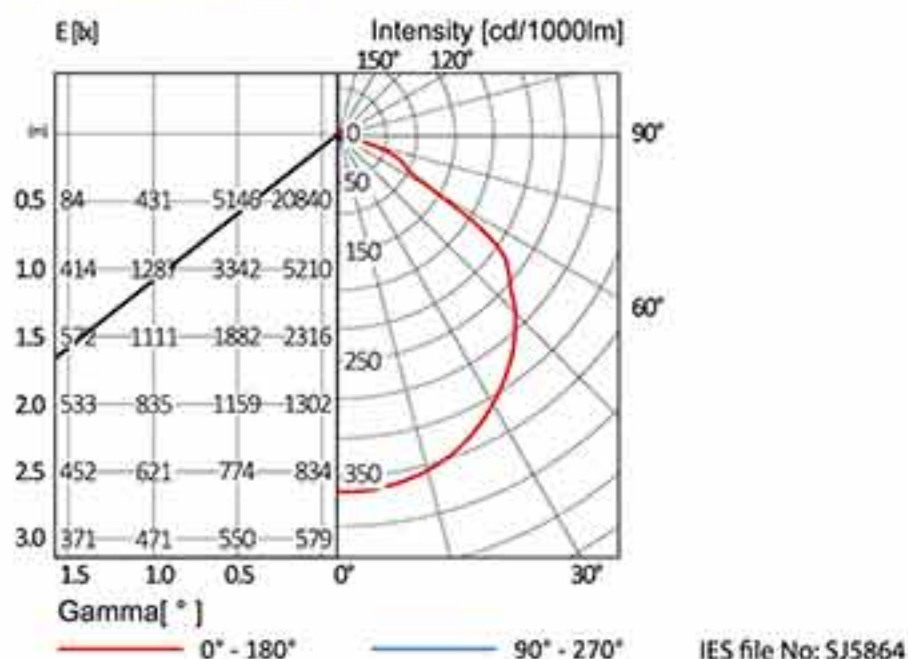
Optics

Reflector Material	White Paint Anodised Aluminium
Beam Angle	120°

Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric

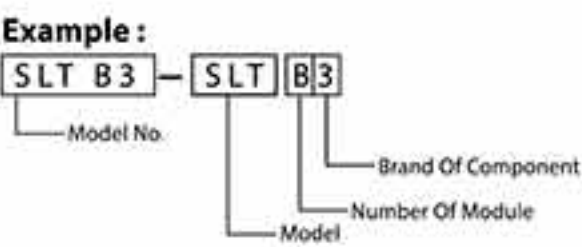


Dimension



Order Reference

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



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SLT B3 (1x2)	595x182x71	Xitanium	Fortimo	840/865	49	7100	145
SLT D3 (1x4)	1176x182x71				97	14150	146
SLT F3 (1x4)	1176x247x71				149	21750	146

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology

NEPTUNE LED

SL 301 Floodlight Series



Features & Benefits

Die cast aluminum shell coated with polyester powders with high resistance to atmospheric agents and corrosion with flood beam symmetric light distribution. An energy-saving replacement for traditional floodlight luminaires. Offers longer service lifetime and less maintenance. Efficient air convection cooling design.

Application

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

Luminaire Product Description

Mounting	Ground/Wall
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	-20°C~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	50,000hrs

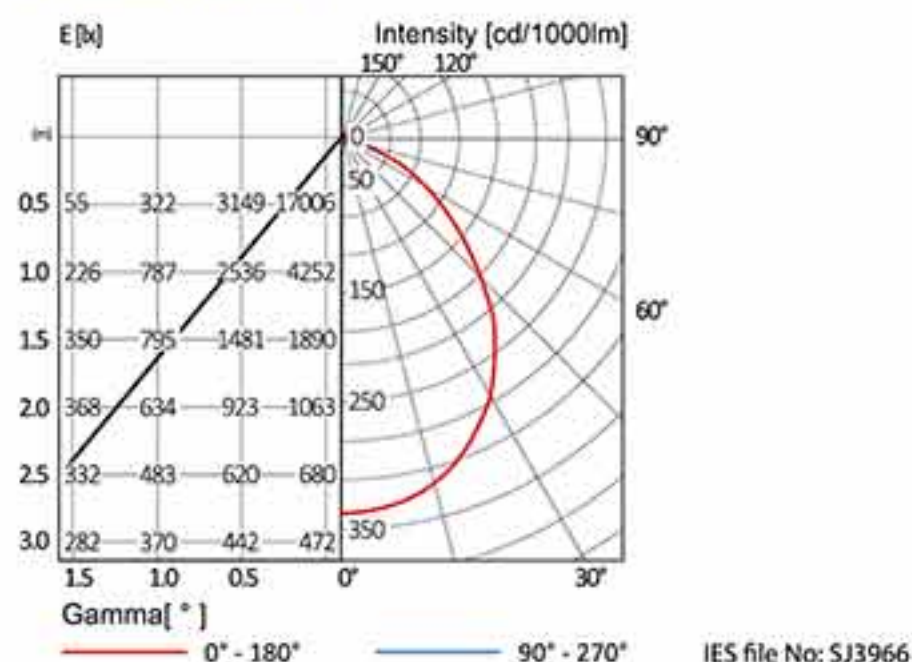
Optic

Cover	Tempered Glass
Optical Lens	Vertical Field Angle - 90°
	Horizontal Field Angle - 155°

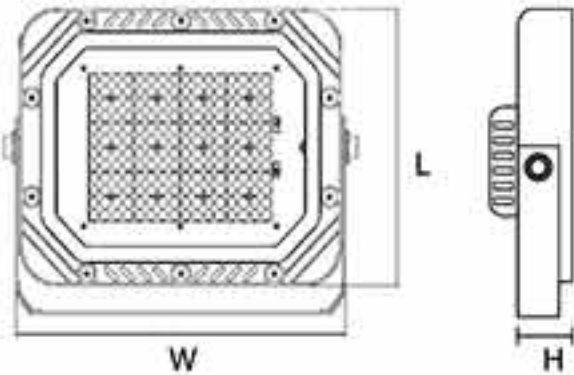
Control

*Dimming Option	Fixed Output/Dali/1-10V
-----------------	-------------------------

Photometric



Dimension



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 301.100	280x380x110	Meanwell	Lumileds	830/840/865	102	12550	123
SL 301.200	320x435x120				201	24100	120

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology



NEPTUNE LED

SL 307 Floodlight Series

Features & Benefits

Die cast aluminum shell coated with polyester powders with high resistance to atmospheric agents and corrosion with flood beam symmetric light distribution. An energy-saving replacement for traditional floodlight luminaires. Offers longer service lifetime and less maintenance. Efficient air convection cooling design.

Luminaire Product Description

Mounting	Ground/Wall
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	-20°C~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	50,000hrs

Application

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

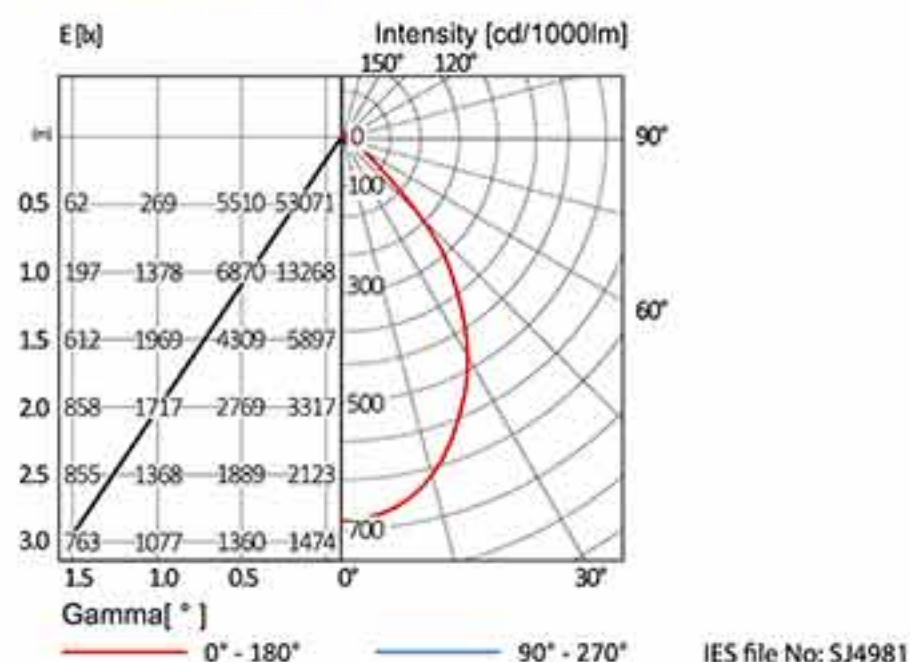
Optic

Optical Lens	Vertical Field Angle - 110°
	Horizontal Field Angle - 110°

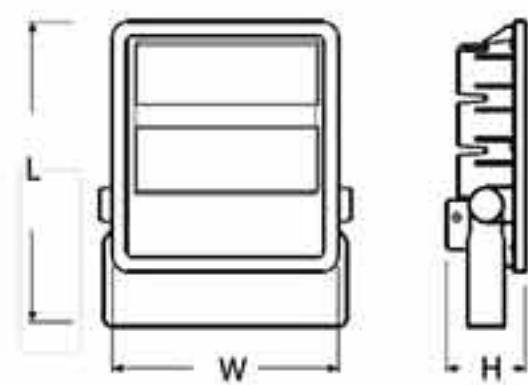
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric



Dimension



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 307.65	352x259x54	Gaogon	Osram / Philips	830/840/865	66	8100	123
SL 307.100	398x282x59	Meanwell			100	12650	127
SL 307.150	448x371x63				152	19100	126
SL 307.200	445x510x67				203	25250	124

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology

NEPTUNE LED

SL 308 Floodlight Series



Features & Benefits

Die cast aluminum shell coated with polyester powders with high resistance to atmospheric agents and corrosion with flood beam symmetric light distribution. An energy-saving replacement for traditional floodlight luminaires. Offers longer service lifetime and less maintenance. Efficient air convection cooling design.

Application

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

Luminaire Product Description

Mounting	Ground/Wall
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	-20~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP67
Insulation Classification	Class I
Life Cycle	50,000hrs

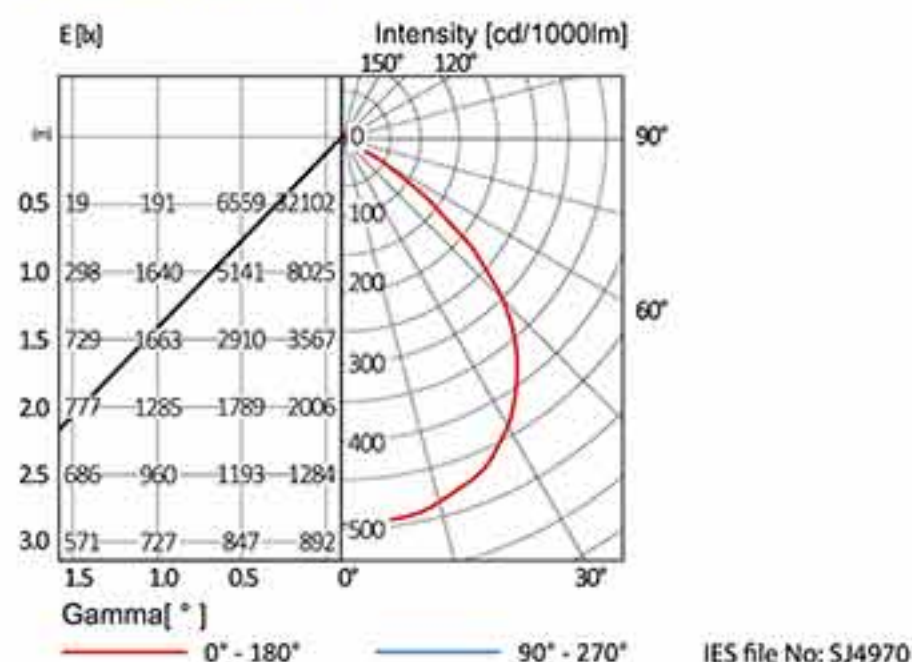
Optic

Lens Material	Polycarbonate
Horizontal Field Angle	100°/110°/120°
Vertical Field Angle	100°/110°/120°

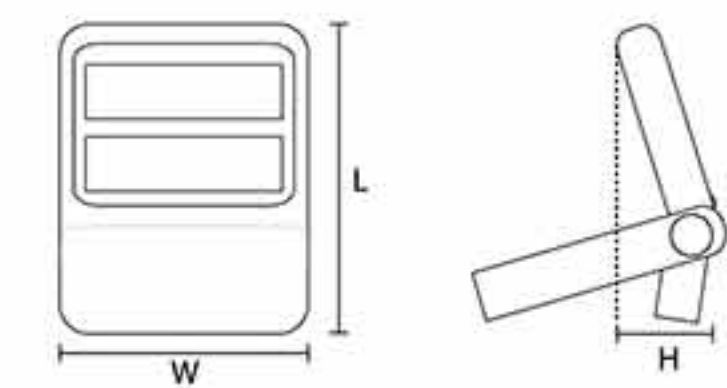
Control

*Dimming Option	Fixed Output
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Photometric



Dimension



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 308.40	265x255x143	Moso/Adayo	Lumileds	730/740/750/757	40	6200	155
SL 308.50					50	7350	147
SL 308.60					60	8400	140
SL 308.80	295x350x174				80	12640	158
SL308.100					100	15200	152
SL 308.120					120	17400	145

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology



MARS LED

SL 500 Street Light Series

Features & Benefits

LED Street light is a simple, economical and reliable LED road-lighting solution that delivers substantial energy savings compared with conventional fixtures. Its neutral white light ensure visual comfort for all road users. 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.

Application

Suitable for roadway & car park area.

Luminaire Product Description

Mounting	Pole
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	-20~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	50,000hrs

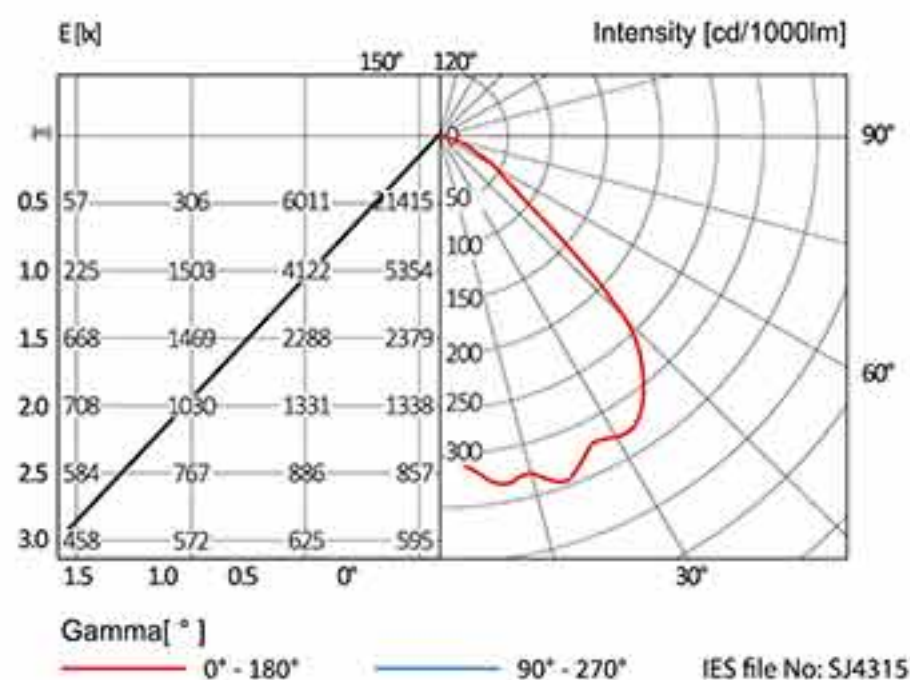
Optic

Optical Lens	Tempered Glass
IES Classification	Type II

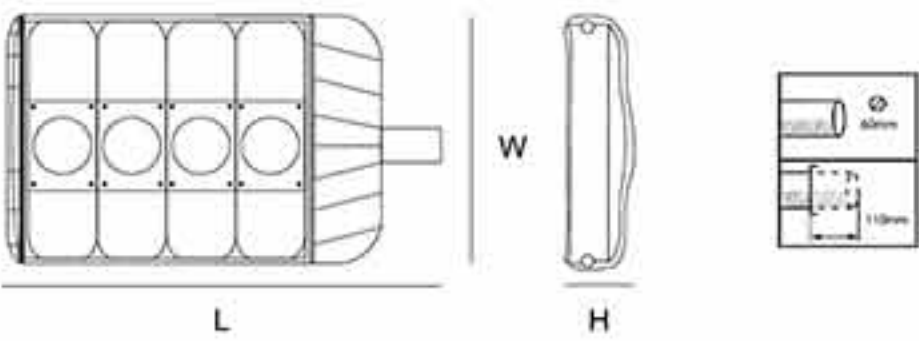
Control

*Dimming Option	Fixed Output/Dali/1-10V
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Photometric



Dimension



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 500.3	640x350x67	Xitanium	Philips PLM	730/740/750	104	12603	121
SL 500.4	720x350x67				139	16950	122
SL 500.6	800x350x67				182	21596	119

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Your partner in lighting technology



MARS LED

SL 503 Street Light Series

Features & Benefits

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.

Application

Suitable for roadway & car park area.

Luminaire Product Description

Mounting	Pole
Housing Material	Die-cast Aluminum
Power Supply	240V 50Hz
Operating Temperature	-20~+45°C
Power Factor	0.95
Total Harmonic Distortion	≤20%
Ingress Protection	IP65
Insulation Classification	Class I
Life Cycle	50,000hrs

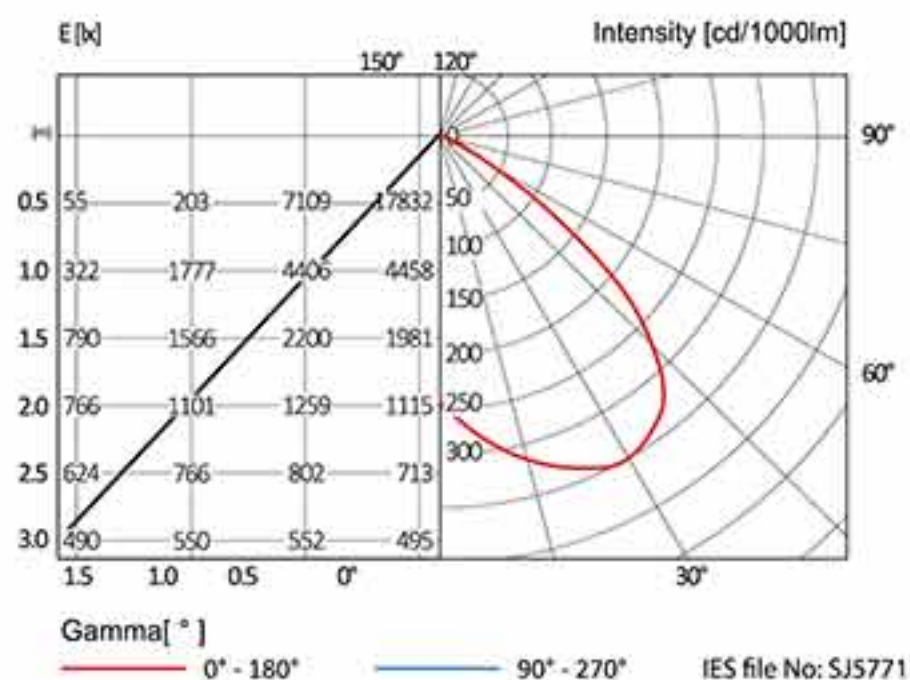
Optic

Diffuser Material	Polycarbonate
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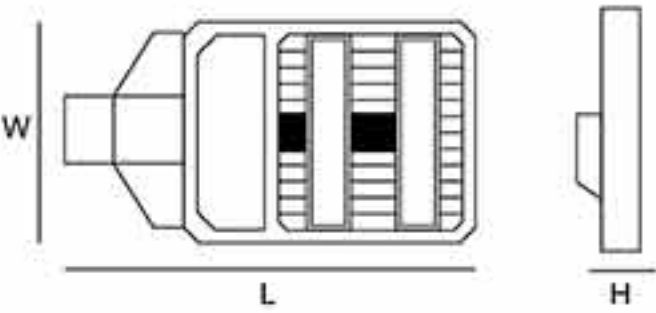
Control

*Dimming Option	Fixed Output/Dali/1-10V
-----------------	-------------------------

Photometric



Dimension



Order Information

Model No.	Dimension (LxWxH) (mm)	Driver Model	Light Source Model	CRI & CCT	Nominal Power (W)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)
SL 503.60	445x278x60	Mean Well	Lumileds	730/740/765	60	7200	120
SL503.100	515x278x60				100	12000	120
SL 503.150	600x278x60				150	18000	120
SL 503.180					180	21600	120

Note : Subject to +/- 1.5mm

Other various types are available upon request.



Features

Up to 50% energy saving compared with traditional fluorescent
Instant power on & off and provide uniform light distribution
Long lifetime up to 50,000hrs
High quality polycarbonate material
Easy installation
No mercury material or UV radiation

Benefits

Considerably lower energy cost
Lower maintenance cost
Easy and flexible installation
Environmental friendly

Application

For general lighting in supermarkets, offices, hotels, residential and restaurants

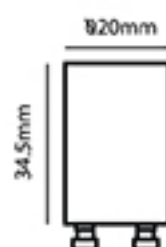
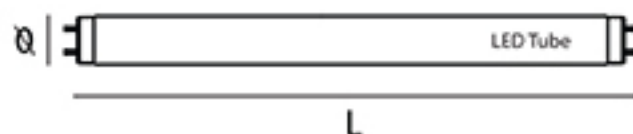
Warning Notice

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

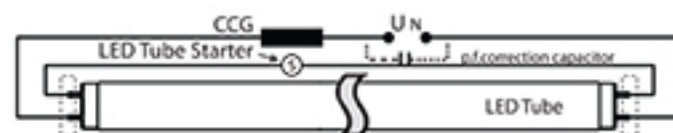
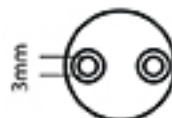
LED Tube

World Transformer of Energy Efficient
and Cost Effective Solution

Dimension



LED Tube Starter



Wiring Diagram

Order Information

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

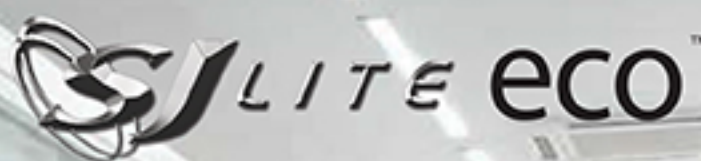
Type	Model	Dimension	Lampholder	Input Voltage	Power	Lumen	Efficiency	CCT (K)	B. Angle	Power Factor
Core Level 2	RLASJLC820923	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	3000K	160	>0.90
Core Level 2	RLASJLC820928	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	3500K	160	>0.90
Core Level 2	RLASJLC820924	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	4000K	160	>0.90
Core Level 2	RLASJLC820926	Ø26x588	G13	200-240V 50/60Hz	8.5W	850lm	100lm/W	6500K	160	>0.90
Core Level 2	RLASJLC842133	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	3000K	160	>0.95
Core Level 3	RLASJLC842138	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	3500K	160	>0.95
Core Level 3	RLASJLC842134	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	4000K	160	>0.95
Core Level 3	RLASJLC842136	Ø26x1198	G13	200-240V 50/60Hz	18W	2100lm	117lm/W	6500K	160	>0.95

Lumen Maintenance Factor: L(70).
Failure Fraction: F(50) 50,000Hrs.

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

LED GLASS TUBE

Economic and Energy Efficiency



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 30,000hrs
- Easy installation
- No mercury material or UV radiation

Benefits

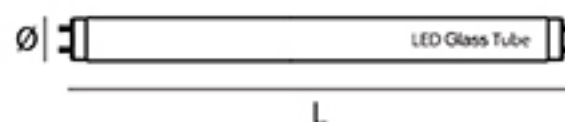
- Considerably lower energy cost
- Lowering maintenance cost
- Easy and flexible installation
- Environmental friendly

Application

- For general lighting in e.g. supermarkets, offices, hotels, residential and restaurants



Dimension



Specification

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

Model	Dimension	Lampholder	Input Voltage	Power	Lumen	Efficiency	CCT (K)	CRI	Beam Angle	Power Factor
RLASELE721023	Ø26x588	G13	200-240V 50/60Hz	9W	900lm	100lm/W	3000K	80	300	>0.90
RLASELE721024	Ø26x588	G13	200-240V 50/60Hz	9W	900lm	100lm/W	4000K	80	300	>0.90
RLASELE721026	Ø26x588	G13	200-240V 50/60Hz	9W	900lm	100lm/W	6500K	80	300	>0.90
RLASELE741823	Ø26x1198	G13	200-240V 50/60Hz	18W	1800lm	100lm/W	3000K	80	300	>0.90
RLASELE741824	Ø26x1198	G13	200-240V 50/60Hz	18W	1800lm	100lm/W	4000K	80	300	>0.90
RLASELE741826	Ø26x1198	G13	200-240V 50/60Hz	18W	1800lm	100lm/W	6500K	80	300	>0.90

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

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. (200-240V ~ 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.



For dry location only, not for use where exposed to the weathers.



Do not use with Dimmers.



Recycle



This lamp is not suitable for use in a emergency luminaire

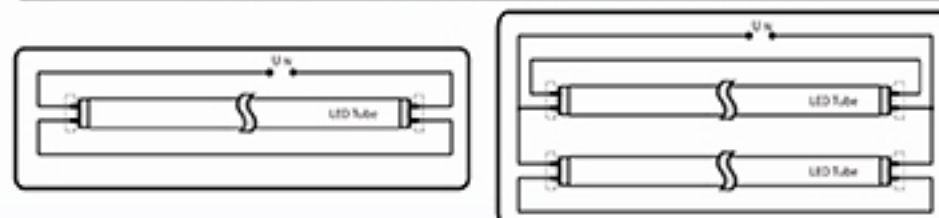


LED replacement starter need to be used.

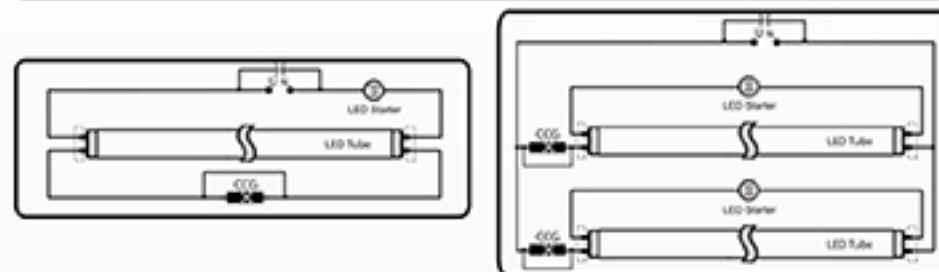


This Lamp is suitable for 50Hz or 60Hz operation.

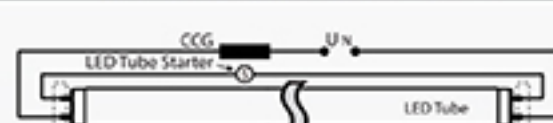
a) The wiring method for the new fixture (Complete Fixture)



b) The wiring method for the old fixture / Retrofit (Used more than 5 years)



c) The wiring method for replacing CCG



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LED Glass Tube (HO)

High Output and Energy Efficiency

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 50,000hrs
- Easy installation
- No mercury material or UV radiation

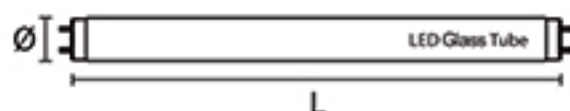
Benefits

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

Application

- For general lighting in e.g. supermarkets, offices, hotels, residential and restaurants, etc.

Dimension



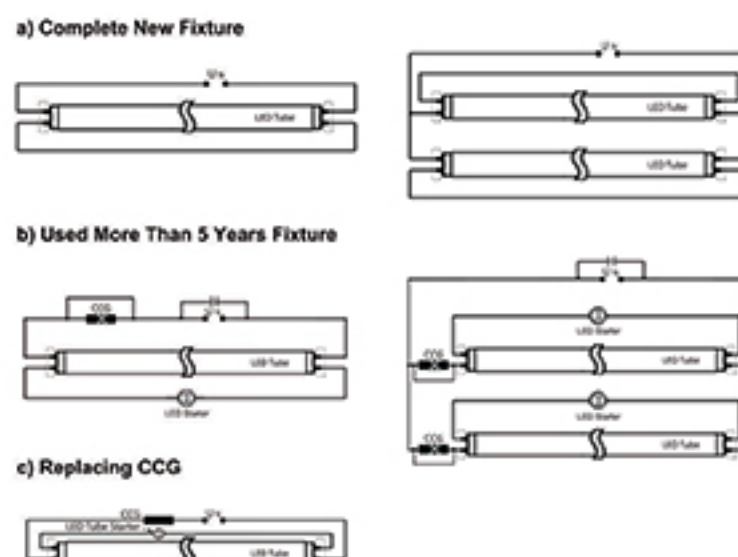
- ① Lamp to be used in dry conditions or in a luminaire that provides protection.
- ② Lamp suitable for 50 Hz or 60 Hz operation.
- ③ Lamp not suitable for emergency operation.
- ④ Dimming not allowed.
- ⑤ LED replacement starter.

Order Information

Model	Dimension (ØxH) (mm)	Cap Base	Input Voltage	Power	Lumen	Efficiency	CCT	CRI	Beam Angle	Power Factor
RLASELE122523	Ø28x589	G13	220-240V 50/60Hz	8.5W	1050lm	124lm/W	3000K	≥80	>160°	>0.90
RLASELE122524							4000K			
RLASELE122526							6500K			
RLASELE142123	Ø28x1199			18W	2100lm	117lm/W	3000K			
RLASELE142124							4000K			
RLASELE142126							6500K			

Note : Subject to +/- 1.5mm

Wiring Diagram



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.



Smart Lighting Solutions



LED CONNECTED A60

SJT ZB RGBW A Bulb



Features & Benefits

Wireless control and easy to set up. RGBW A60 has up to 16 million colors for customer to choose. Standard size that is suitable with most fixtures. Control A60 of Zigbee protocol product with your voice through selected Alexa devices. Work with IOS and Andriod, compatible with most of smart phones. On/ off/ dim.

Application

Ideal for residential, office, parking lots, industry factory.

Luminaire Product Description

Mounting	E27/B22
Power Supply	220-240V 50/60Hz
Operating Temperature	40°C
Power Factor	0.7
Accessories	Zigbee Gateway
Life Cycle	25,000hrs

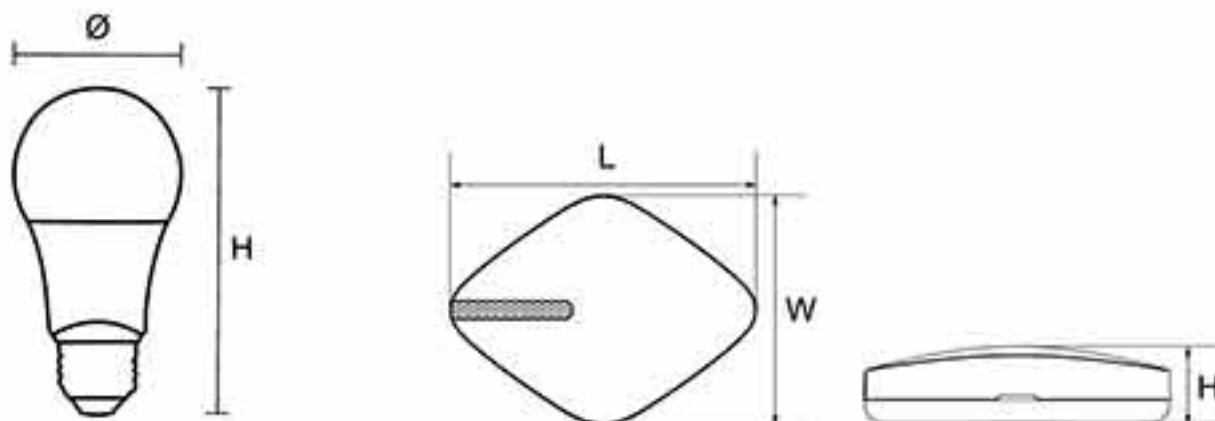
Optics

Diffuser Material	Acrylic
Diffuser Pattern	Frosted
Beam Angle	240°

Control

Wireless Control	App Control
------------------	-------------

Dimension



Order information

Connected A60

Model No.	Dimension (LxWxH) (mm)	Nominal System Power (Watt)	Nominal System Lumen Output (lm)	Nominal System Efficacy (lm/W)	*Control
RLASJRGBW10W65ZZ	120x60	10	806	81	Local Control/Remote Control

Zigbee Gateway

Model No.	Dimension (LxWxH) (mm)	Operating Temperature (°C)	Input Current	Operating Humidity
RZZSJZBDIAGATWAY	133x100x34	-20~40°C	Max 2A	5%~95% RH, Non-Condensing

Application



► Experience by using Mobile Phone / Tablet to control your Lighting.



1-10V Dimming

Modern dimmable ECG's With 1-10V interfaces in combination with an ECG controller are ideal for simple and cost effective lighting system. They have become established as the standard for simple lighting solutions. Control gear and controllers are connected to one another via a poled two-wire control line. The control voltage is determined by the dimming setting of the connected ECGs.

Properties of the 1 - 10V interface

1. Control is via an interference-proof DC voltage signal of 10V (maximum brightness; control line open) to 1V (minimum brightness; control line short-circuited)
2. The control power is generated by the ECG (maximum current 0.6mA per ECG)
3. The voltage on the control on the control line is isolated line is isolated from the power cable but is not at safety extra-low voltage (SELV)
4. ECGs connected to different phases can be dimmed via the same controller



DALI

DALI stand for "Digital Addressable Lighting Interface" and is an interface protocol for digital communication between electronic lighting equipment (electronic ballasts, transformers, etc). 64 digital electronic operating devices can be connected to each DALI controller and controlled independently of one another via the same control line. The luminaires are individually addressed so rooms can be relit with a high degree of flexibility without changing the cabling.

Key Components:

- LED Luminaire
- Multi Sensor
- DALI Power Supply
- Keypad Controller
- Control Unit

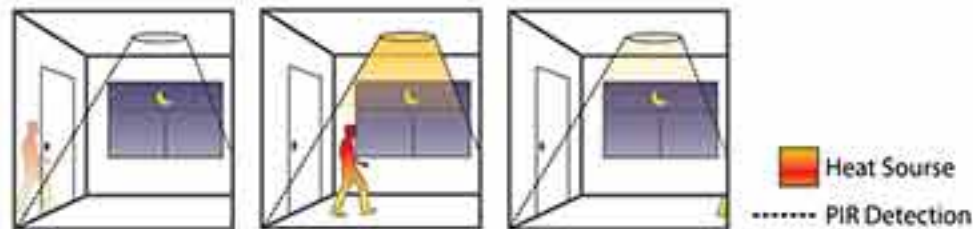
Sensors (Motion / Presence)



Passive Infrared (PIR)

PIR sensors allow you to sense motion, almost always used to detect whether a human has moved in or out of the sensors range. Passive Infrared (PIR) sensors are sensitive to a person's skin temperature through emitted black body radiation at mid-infrared wavelengths, in contrast to background object at room temperature. No energy is emitted from the sensor, thus the name passive infrared. This distinguishes it from the electric eye for instance (not usually considered a motion detector), in which crossing of a person or vehicle interrupts visible or infrared beam.

How It Works



Microwave

These sensors detect motion through the principle of Doppler radar, and are similar to a radar speed gun. A continuous wave of microwave radiation is emitted, and phase shifts in the reflected microwaves due to motion of an object toward (or away from) the receiver result in a heterodyne signal at a low frequency.

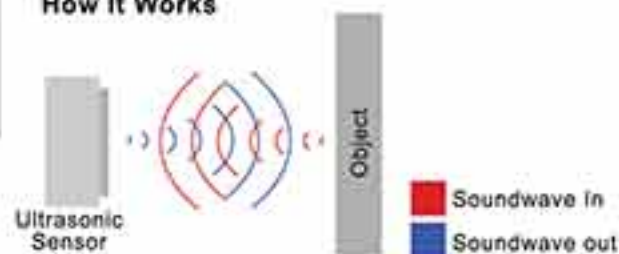
How It Works



Ultrasonic

An ultrasonic wave (sound at a frequency higher than a human ear can hear) is emitted and reflections from nearby objects are received. Exactly as in Dopplerradar, heterodyne detection of the received field indicates motion. The detected doppler shift is also at low audio frequency (for walking speeds) since the ultrasonic wavelength of around a centimeter is similar to the wavelengths used in microwave motion detectors.

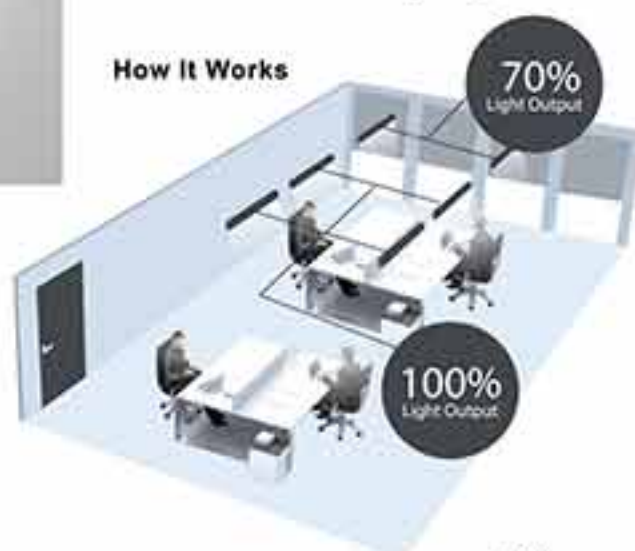
How It Works



Lux Sensors For Daylight Linking / Harvesting

Daylight Harvesting systems use daylight to offset the amount of artificial lighting needed to properly light a space, in order to reduce energy consumption. This is accomplished using lighting control systems that are able to dim or switch artificial lighting in response to changing daylight availability. The term daylight harvesting has become the standard in the fields of lighting, sustainable architecture, and active daylighting industries.

How It Works



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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