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Energia solar led S. L
calle Rio Tormes 13 Fuenlabrada 28947 Madrid Spain
Email: energiasolarled2008@gmail.com
0034 916426626

Model: **ESL-A3**

A3 Series IP66 Waterproof LED Batten

A3 series provides Standard, Optic Lens, Microwave Sensor, DALI 2.0 Dimmable and Emergency five versions for all industrial lighting scenarios.

Invention Patent
No. ZL 2016 1 1191254.1



Energy-efficient & long lifetime

Max efficacy up to 185lm/W, LM79 lifespan ≥50,000hrs

Rich specification options

Available 600/1200/1500/1700/2400mm, max output up to over 9000lm, CCT 2700K~6500K adjustable

Upgraded structural & electrical design

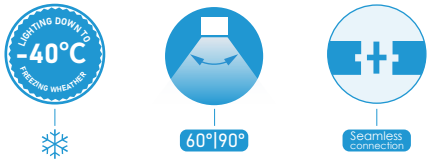
Reinforced anti-UV flame retardant PC housing, robust metal fasteners, toolless pluggable waterproof wiring

Global Certifications & Flexible Warranty

CE/UKCA/RCM/ETL approved; standard 5-year full fixture warranty, premium version available with 7-year warranty, emergency battery 4-year warranty

Waterproof luminaire ideal for warehouses, cold storage, car parks, wash-down workshops & industrial general lighting

- High luminous efficacy & ultra-long service life effectively cut ongoing maintenance and power expenses
- Optimized rugged integrated housing, patented seamless splicing for quicker, labour-saving on-site mounting
- Multi-grade optics: standard diffuser & focused lens versions deliver even or targeted high-output light distribution
- Customizable options: built-in microwave motion sensor, replaceable battery emergency pack, DALI2.0 dimming & full waterproof linking coupler



Product Versions



Standard A3 (Pro/Max)
2-wire on/off design, available in 600/1200/1500mm; optional 5.8G microwave sensor.



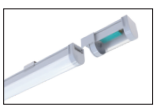
A3-DA DALI 2.0 Dimmable
4-wire design, DALI2.0 0.01%–100% dimming, compatible with 0–10V control & smart dimming sensor.



A3-L Optic Lens Model
60°/90° beam options, +30% illuminance, extra 1700mm size for focused industrial lighting.



A3S Microwave Sensor Type
Built-in 5.8GHz microwave sensor with remote control, auto on/off for energy saving.



A3-LW Emergency Version
External replaceable LiFePO4 battery; 2/3/5W emergency power, 1.5/3hr backup, max 900lm emergency output, 4-year battery warranty, meets central emergency control standards.

CRI ≥90 | IP66 | ErP | CE | CB | RoHS | IES file | 0-10V

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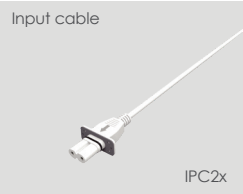
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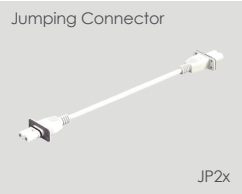
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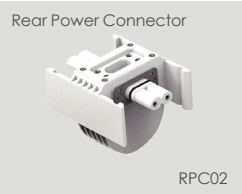
Accessories

2 Lines Accessories for Class II | Applicable to Trilamp A3-X/P/M/S/RS/L60/L90/LT









Seamless Connector with 2 Lines

8300.SC02 2 Lines for Constant on and Sensor Lighting, PC Material(94V0), Anti-UV, Manual installation

Input Power Cable with 1/2m cable

8300.IPC2x IE60984 Standard Cable(2x1.0mm2) with One Plugs (watertight), L1=1000mm, L2=2000mm

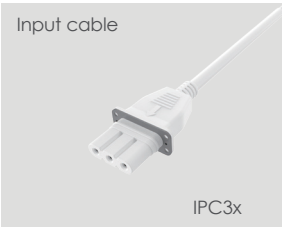
Jumping Connector with 1/2m cable

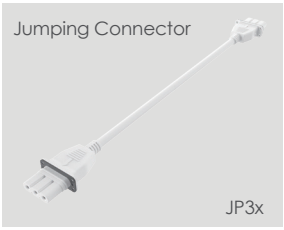
8300.JP2x IE60984 Standard Cable(2x1.0mm2) with Two Plugs (watertight), L1=1000mm, L2=2000mm

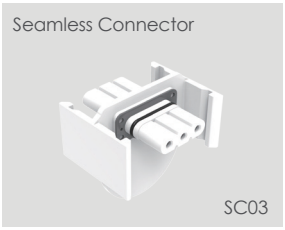
Rear Power Connector

8300.RPC02 2 Lines Rear Power Connector for extending the splice PC Material(94V0), Manual installation

3 Lines Accessories for Class I | Applicable to Trilamp A3-X/P/M/S/RS/L60/L90/LT







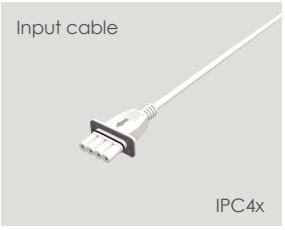
8300.SC03 3 Lines for Constant on and Sensor Lighting, PC Material(94V0), Anti-UV, Manual installation

Input Power Cable with 1/2m cable

8300.IPC3x IE60984 Standard Cable(3x1.0mm2) with One Plugs (watertight), L1=1000mm, L2=2000mm

Jumping Connector with 1/2m cable

8300.JP3x IE60984 Standard Cable(3x1.0mm2) with Two Plugs (watertight), L1=1000mm, L2=2000mm







4 Lines Accessories for Class I/II | Applicable to Trilamp A3-E/DV/DA

8300.SC04 4 Lines for Constant on and Sensor Lighting, PC Material(94V0), Anti-UV, Manual installation

Input Power Cable with 1/2m cable

8300.IPC4x IE60984 Standard Cable(4x1.0mm2) with One Plugs (watertight), L1=1000mm, L2=2000mm

Jumping Connector with 1/2m cable

8300.JP4x IE60984 Standard Cable(4x1.0mm2) with Two Plugs (watertight), L1=1000mm, L2=2000mm



Universal Accessories for Trilamp A3 Family

Suspending Kits

8300.SK01 Stainless steel 304, L=1000mm, Rubber plugs with stainless screws

Suspending Kits

8300.SK02 Stainless steel 304, L=2000mm, Rubber plugs with stainless screws

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Warnings and Safety

- UV radiation will damage the material over time resulting in loss of waterproof sealing and IP65 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

Specifications

Mounting type	Surface(Ceiling or Wall) Suspended
Operating Temperature range	-30 to +50°C (LT Version is -40°C)
Light Source	SMD 2835
Mains Voltage	220-240Vac or 120-277Vac / 50-60Hz
Wiring Connection	Input Power Cable, Seamless Connector
Material	PC+Alu.6063
Main color of the luminaire	White(RAL9016)
Lumen maintenance at median useful life	L80B10, 50,000hr
Flicker free	Yes
Luminous flux	Up to 10000lm
Power consumption	15W to 54W
Luminaire efficacy	Up to 185lm/W
Correlated color temperature - CCT	4000K Optional 3000K/5000K/5700K/6500K
Optical cover material	Milky Polycarbonate (PC)
Optical lens material	Transparent PMMA
Protection Class IEC61140	Class I
Driver replaceable	No
Approval or Compliance	CB/CE mark UL/ETL/SAA

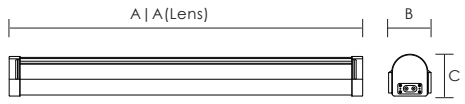
General Information

Light Technical	
Color rendering index (CRI)	80
Risk Group	RG0
Operating and Electrical	
Protection class IEC	Safety class I
Input Voltage	220 to 240 Vac
Line Frequency	50 to 60 Hz
Mechanical and Housing	
Ingress Protection(IEC61140)	IP66
Mech. impact protection code	IK10
Fire rating	UL 94V0
*Anti-UV level(Optional)	F1(UL756C)

Dimming Information

Driver Technical	
DALI dimmbale driver	DT6/DT8
Dimmable	Yes
Dimming Dormat	DALI2.0
Analogue(1-10V) information	See driver for information

Dimensional (mm)



Type	Dimension(mm)				
	A1	A(lens)	B	C	N.W/PCS
Trilamp A3 2FT	600	558	68	64	0.75kg
Trilamp A3 4FT	1200	1140			1.28kg
Trilamp A3 6FT	1500	1700			1.54kg
Trilamp A3 8FT	2400	2268			1.81kg

*Model A(Lens): A3 Lens-equipped, dimensions as above.

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Order Code

Specifications using 4000K and subject to change. All parameters +/- 5%.

Version	Item No.	Full Product Datasheet	Function	Lines	Sales Aera
EXTRA	A3-2FT18-40K-X-EU	A3 600mm 18W 4000K 140LPW Extra	Constant On	2/3	European
	A3-4FT36-40K-X-EU	A3 1200mm 36W 4000K 140LPW Extra	Constant On	2/3	European
	A3-5FT54-40K-X-EU	A3 1500mm 54W 4000K 140LPW Extra	Constant On	2/3	European
PRO	A3-2FT18-40K-P-EU	A3 600mm 18W 4000K 160LPW Pro	Constant On	2/3	European
	A3-4FT36-40K-P-EU	A3 1200mm 36W 4000K 160LPW Pro	Constant On	2/3	European
	A3-5FT54-40K-P-EU	A3 1500mm 54W 4000K 160LPW Pro	Constant On	2/3	European
MAX	A3-2FT18-40K-M-EU	A3 600mm 18W 4000K 185LPW Max	Constant On	2/3	European
	A3-4FT36-40K-M-EU	A3 1200mm 36W 4000K 185LPW Max	Constant On	2/3	European
	A3-5FT54-40K-M-EU	A3 1500mm 54W 4000K 185LPW Max	Constant On	2/3	European
Motion Sensor	A3-2FT18-40K-MS-EU	A3 600mm 18W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	2/3	European
	A3-4FT36-40K-MS-EU	A3 1200mm 36W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	2/3	European
	A3-5FT54-40K-MS-EU	A3 1500mm 54W 4000K 140LPW 5.8G Microwave Sensor	Motion Sensor	2/3	European
RF GROUP SENSOR	A3-2FT18-40K-RS-EU	A3 600mm 18W 4000K 140LPW 2.4+5.8G Microwave Sensor	RF Motion Sensor	2/3	European
	A3-4FT36-40K-RS-EU	A3 1200mm 36W 4000K 140LPW 2.4+5.8G Microwave Sensor	RF Motion Sensor	2/3	European
	A3-5FT54-40K-RS-EU	A3 1500mm 54W 4000K 140LPW 2.4+5.8G Microwave Sensor	RF Motion Sensor	2/3	European
EMG	A3-2FT18-40K-E203-EU	A3 600mm 18W 4000K 140LPW Emergency 2W 3hr	Emergency	4	European
	A3-4FT36-40K-EXXX-EU	A3 1200mm 36W 4000K 140LPW Emergency 2/3/5W 1.5/3hr	Emergency	4	European
	A3-5FT54-40K-EXXX-EU	A3 1500mm 54W 4000K 140LPW Emergency 2/3/5W 1.5/3hr	Emergency	4	European
NA	A3-2FT18-40K-X-NA	A3 600mm 18W 4000K 140LPW 120-277Vac	Constant On	2/3	North America
	A3-4FT36-40K-X-NA	A3 1200mm 36W 4000K 140LPW 120-277Vac	Constant On	2/3	Nouth America
	A3-5FT54-40K-X-NA	A3 1500mm 54W 4000K 140LPW 120-277Vac	Constant On	2/3	Nouth America
DALI	A3-2FT18-40K-DA-EU	A3 600mm 18W 4000K 140LPW DT6/DT8	DALI2.0 Dimming	4	European
	A3-4FT36-40K-DA-EU	A3 1200mm 36W 4000K 140LPW DT6/DT8	DALI2.0 Dimming	4	European
	A3-5FT54-40K-DA-EU	A3 1500mm 54W 4000K 140LPW DT6/DT8	DALI2.0 Dimming	4	European
0-10V	A3-2FT18-40K-DV-NA	A3 600mm 18W 4000K 140LPW 0/1-10V 120-277Vac	0/1-10V Dimming	4	Nouth America
	A3-4FT36-40K-DV-NA	A3 1200mm 36W 4000K 140LPW 0/1-10V 120-277Vac	0/1-10V Dimming	4	Nouth America
	A3-5FT54-40K-DV-NA	A3 1500mm 54W 4000K 140LPW 0/1-10V 120-277Vac	0/1-10V Dimming	4	Nouth America

Special lighting

Bean Angle & Low Temperature

Version	Item No.	Full Product Datasheet	Function	Lines	Sales Aera
LENS 60°	A3-2FT18-40K-L60-EU	A3 600mm 18W 4000K 170LPW Beam Angle/60°	Constant On	2/3	European
	A3-4FT36-40K-L60-EU	A3 1200mm 36W 4000K 170LPW Beam Angle/60°	Constant On	2/3	European
	A3-5FT54-40K-L60-EU	A3 1500mm 54W 4000K 170LPW Beam Angle/60°	Constant On	2/3	European
LENS 90°	A3-2FT18-40K-L90-EU	A3 600mm 18W 4000K 165LPW Beam Angle/90°	Constant On	2/3	European
	A3-4FT36-40K-L90-EU	A3 1200mm 36W 4000K 165LPW Beam Angle/90°	Constant On	2/3	European
	A3-5FT54-40K-L90-EU	A3 1500mm 54W 4000K 165LPW Beam Angle/90°	Constant On	2/3	European
LT	A3-2FT15-40K-LT-GU	A3 600mm 15W 4000K 140LPW -40℃ 90-264Vac	Constant On	2/3	Global Univisal
	A3-4FT33-40K-LT-GU	A3 1200mm 33W 4000K 140LPW -40℃ 90-264Vac	Constant On	2/3	Global Univisal
	A3-5FT45-40K-LT-GU	A3 1500mm 45W 4000K 140LPW -40℃ 90-264Vac	Constant On	2/3	Global Univisal

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