LYSAR LAMPS
SF / SA / RT
Lighting Series

ENGLISH

Installation Manual

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Lysar SF



Lysar SA



Lysar RT

1. Product Description

Lysar LED lamps line are widely used in the textile industry sector.
Ideal for installation on sewing machines, button hangers machine, work benches
Taking advantage of the latest technologies of high luminous efficinecy LED, they are able to satisfy even the most demanding requests.
Three version available: with flex arm SF, with articulated metallic arm SA and with rigid chromed stem RT.

- Paint aluminum spot lamp
- High efficiency LED technology – free maintenance
- 3 Power LED light source
- 5000 K ligh color
- 230 VAC power supply (internal driver LED)
- 25°- 40° lens available

2. Safety instructions

LYSAR Lighting Series has been designed and manufactured on the basis of state-of-the-art techniques.
It is made of well-selected, high-quality materials. It is carefully tested throughout the production process, from the raw material through to packaging, following a detailed production schedule so as to guarantee that the product is safe and reliable.
Material damages, as well as bodily injuries, may nevertheless still occur while using it.



- This manual is part of the equipment and must always be kept with it.
- Please make sure that ALL instructions/information in this manual are carefully read through
- Strict compliance with the instructions provided in this manual and on the lighting, equipment is required for its correct use
- Installation and use of the product is recommended only provided it is in perfect conditions, and the user is well-acquainted with all safety instructions
- CCEA, the manufacturer, waives any responsibility in case of product tampering or improper use

2.1 Proper use of product

This lighting equipment not is fit for being installed inside machine in a wet environment.

2.2 Product Safety

Electrical Risks

The improper and incorrect use of the equipment may cause body injuries and material damages.

- All electrical connection procedures must be carried out by a licensed electrician
- Switch off power supply before any installation, maintenance or reparation procedures.
- Please ensure that the power supply rated tension and frequency meets the requirements shown on the product label. Please respect cable polarity.
- Maintenance and reparations must only be carried out by qualified electricians.

Risk of explosion

The risk of the explosion might occur upon installing and using this product for applications with a

high risk of explosion. It might cause severe body injuries.

- **Do not** install and use this product in hazardous environments (high risk of explosion).

Installation and safety

- Handle the lamp with care and avoid having it drop or being hit even it is still packed, which might cause body injuries, as well as material damages.
- Ensure the original fixing accessories are used, as available from the manufacturer.
- Set up the fixing accessories properly.
- The equipment must be correctly fastened using the proper screws according to the application, place and surface where the product is being mounted.
- Ensure that the fastenings are regularly checked.

Danger of dazzling glare due to a white light source

Avoid staring directly at the light source, as it may cause a temporary reduction of vision. Irritation, aches, damages, or accidents may as well occur.

- Avoid staring directly at the light source.
- The device must be adjusted so as to avoid having the light flow directed towards the eyes.

Danger caused by inappropriate spare parts.

Using inappropriate spare parts may cause bodily injuries and material damages.

- **Do not** use spare parts that have not been approved by the manufacturer.

Damage caused by presence of laser beams

Use of the **LYSAR Series** Led lighting equipment **is not** allowed when a high-power laser is operating, since it may damage the Led source.

Danger due to high temperatures

Installing and using the equipment in all the environments where the existing temperature remarkably exceeds the foreseen operating temperature will considerably reduce Led lifetime while damaging as well the built-in electronic components.

- **Do not** use this Device in environments where the operating temperature of the device is exceeded.
- Operating temperature - 4°/113°F (-20 / +45 °C)
- Avoid direct solar radiation.

Danger due to repairs

Having the product disassembled or repaired without any appropriate technical /electrical

knowledge may cause damages to persons and objects.

- **Do not** try to repair or disassemble the equipment. Please apply to qualified technicians for any issues.
- Any product tampering or modifications not having been approved by the manufacturer will null and void the warranty.

2.3 Damage risk levels



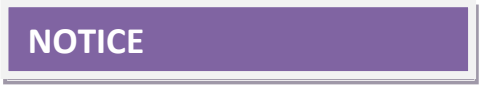
Dangers where noncompliance may **immediately** severe injuries and eventually lead to death.



Dangers where failure to satisfy requirements **may** lead to severe injuries or even to death.



Dangers where failure to satisfy requirements **may** lead to injuries.



Dangers where failure to satisfy requirements **may** cause damages to objects.

3. Available versions

Please refer to the table hereunder listing all the lighting equipment, for you to identify the model you need and its main features, for you to have the lighting equipment correctly and efficiently installed and used.

Note: The product code is found on the brand name label stuck on the product's backside.

- Find out the product code printed on the brand name label and see if you find it on the table hereunder;
- Compare the codes and see if you can identify the same model on the table hereunder;
- The code printed on the brand name label shows the device's week and year of production.

LYSAR SF

Model	Optics	Power	Power Usage	E Connection	Weight	Color lamp	Driver LED
SF0322S01	25 °	3 W	100-240 Vac	CABLE + EUROPLUG	3.09 lb (1.4 kg)	RAL 7035	internal
SF0322S02	40 °	3 W	100-240 Vac	CABLE + EUROPLUG	3.09 lb (1.4 kg)	RAL 7035	internal
SF0322S03	25 °	3 W DIM	100-240 Vac	CABLE + EUROPLUG	3.09 lb (1.4 kg)	RAL 7035	internal
SF0322S04	40 °	3 W DIM	100-240 Vac	CABLE + EUROPLUG	3.09 lb (1.4 kg)	RAL 7035	internal

LYSAR SA

Model	Optics	Power	Power Usage	E Connection	Weight	Color lamp	Driver LED
SA0322S01	25 °	3 W	100-240 Vac	CABLE + SCHUKO	2.76 lb (1.25kg)	RAL 7035	internal
SA0322S02	40 °	3 W	100-240 Vac	CABLE + SCHUKO	2.76 lb (1.25kg)	RAL 7035	internal

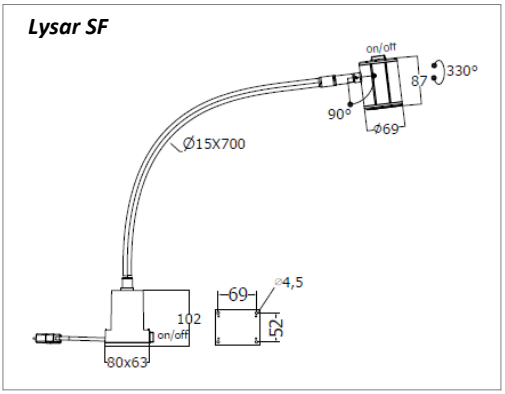
LYSAR RT

Model	Optics	Power	Power Usage	E Connection	Weight	Color lamp	Driver LED
RT0322S01	25 °	3 W	100-240 Vac	CABLE + EUROPLUG	1,98 lb (0,98 kg)	RAL 7035	external
RT0322S02	40 °	3 W	100-240 Vac	CABLE + EUROPLUG	1,98 lb (0,98 kg)	RAL 7035	external
RT0322S03	25 °	3 W	100-240 Vac	CABLE + EUROPLUG	1,98 lb (0,98 kg)	BLACK	external
RT0322S04	40 °	3 W	100-240 Vac	CABLE + EUROPLUG	1,98 lb (0,98 kg)	BLACK	external

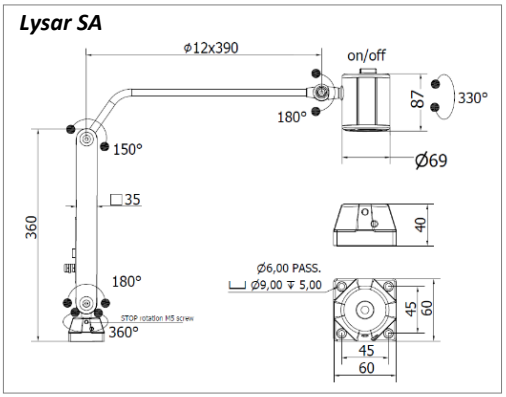
4. Guide to installation

4.1 Product sizes

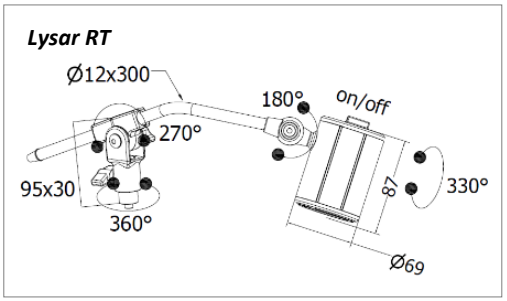
Lysar SF



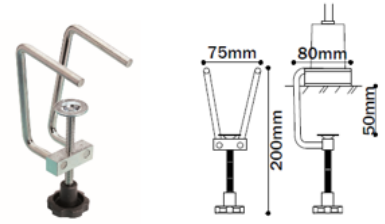
Lysar SA



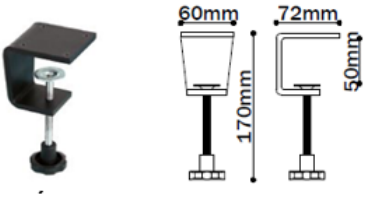
Lysar RT



4.2 Mounting accessories



cod. CLAMP03
Robust, versatile vibration-resistant metal clamp made of stainless steel.
For LYSAR SF model lamp.



cod. CLAMP04
Robust, versatile vibration-resistant metal clamp made of black powder-coated stainless steel.
For LYSAR SA model lamp

4.3 Installation

ATTENTION

The lamp fall-down may cause damage to persons and objects

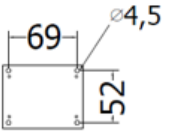
- When mounting the lamp ensure that the original fastenings are used, which you may purchase from the supplier.
- Have the fastening accessories correctly mounted.
- **Version with flex arm: do not bend the flexible tube and avoid small bending radii.**

WARNING

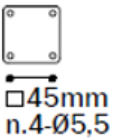
Switch off the power supply before proceeding to installation.

Correct installation using screws

The lamp base has 4 fixing holes for screws. Provide the fixing holes on the dedicated surface following the indications of the fixing distances shown in the figure. Use screws of adequate size and material depending on the application.



Fixing center distances for "SF" model



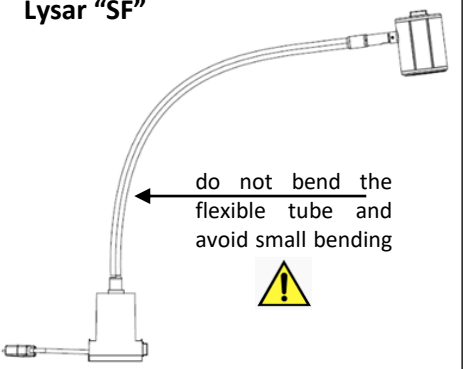
Fixing center distances for "SA" model

Installation Lysar "SF" with metal clamp CLAMP03

Hook the clamp to the lamp by placing the two levers on the sides of the base.
Then fix the lamp to the table.



Lysar "SF"

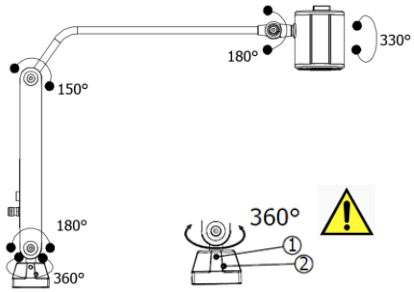


Installation Lysar "SA" with metal clamp CLAMP04

Fix the clamp to the base of the lamp using the supplied M5 screws. Then fix the lamp on the support surface by adjusting the thickness with the appropriate handwheel knob



Lysar "SA"

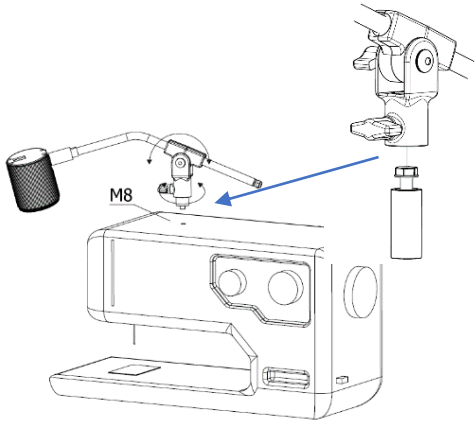


1 Unscrew to allow rotation.

2 Do not unscrew and do not remove.

Installation Lysar "RT" with M8 screw

Fixe the lamp to the machine head using the M8 screw supplied with the adjustment joint.



By unscrewing the two handwheels of the joint is possible to adjust the position of the lamp. Once defined, fix again.

NOTICE

Damaged or broken lamp.

- When mounting the lamp ensure to never completely loosen the screws in order to avoid the lamp fall- down.

NOTE: The fastening parts for this lamp are available as accessories. Please For further details, visit our website:
www.ccealights.com

Plug-in

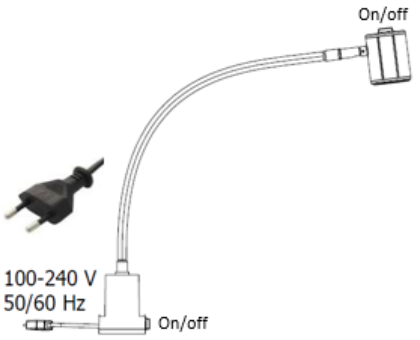
WARNING

Wrong wiring may cause damages to the lamp

- All electrical connections have to be carried out by qualified electricians.
- Always use the power cord supplied with the lamp.
- Ensure that the supply voltage range to the lamp is closely respected in order to avoid damaging the Led drivers.

LYSAR "SF" plug-in

The lamp is supplied with a EURO 2x10A plug cable. Connect the lamp directly to the mains voltage.

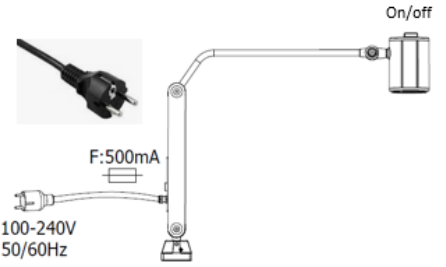


The lamp is equipped with two on-off switches:

- The switch on the base interrupts the power input of internal LED driver.
- The switch on the head cuts off power output of internal LED driver.

LYSAR "SA" plug-in

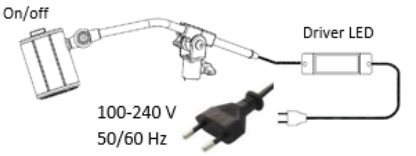
The lamp is supplied with a Schuko plug cable. Connect the lamp directly to the mains voltage.



The lamp is equipped with a switch on the head which interrupts the output power of internal LED driver.

LYSAR "RT" plug-in

The lamp is supplied with a EURO 2x10A plug cable. Connect the lamp directly to the mains voltage.



The lamp is equipped with a switch on the head which interrupts the output power of external LED driver.
Respect the polarity for connecting the lamp to the LED driver:

- Brown + LED
- White - LED

5. Troubleshooting

In case the lamp doesn't turn on:

- Check that the lamp is properly wired to the supply voltage.
- Check that polarity wiring has been carried out correctly.

Please contact CCEA'S USA Technical support service in case the lamp is defective

CCEA Technical Support Service
Phone: +39 0444 572083
ccea@ccealights.com
www.ccealights.com

6. Replacing the Led light source

The outstanding lifetime of the LED light source, over 60.000 hours, makes it unnecessary to replace the PCB LED if the lamp is properly installed and used following the instructions in this manual. Please contact CCEA's Technical Support service - or your Reseller – in case the replacement of the PCB LED is needed for any defects not covered by the warranty.

7. Product maintenance and cleaning

WARNING

Switch off the power supply before any installation, maintenance, or reparation procedures.

This product is maintenance-free.

- Lamp cleaning is to be carried out only after it has been switched off and surfaces have cooled.
- Carefully rinse the lamp surface with a mild cleanser and then wipe off using a soft cloth in order to avoid scoring

NOTICE

All material damages caused by liquid leakage may damage the lamp.

8. Repairs

NOTICE

All material damages caused by poorly executed repairs may damage the lamp

- All repairs must be carried out by the manufacturer or by qualified technicians.
- Only use spare parts having been approved by the manufacturer.

9. Warranty

Terms of warranty

CCEA ensures that any control procedures or repairs – to be carried out exclusively at/by CCEA Technical service dept. or by any CCEA'S official dealer – are covered throughout the entire product's lifetime. In view of the above, take care to preserve the product label and case, to be submitted if any repair operations are needed.

All repair and spare parts costs will be notified after the defects have been examining.

The warranty does not cover:

- Any transport, packaging, or shipping costs;
- Any damages or deterioration caused by:
  -Installation and/or operation carried out following different ways;
  - Any unauthorized repairs or attempts to repair the product;
  - Equipment operation under environmental conditions other than those specified in the user manual;
  - Liquid leakages inside the lamp;
  - Failure to follow the safety precautions related to transport and to shipping the product back for repair (please make sure to have it shipped back in its original case).

Period of warranty

The warranty period covers 24 months, starting from delivery date. CCEA guarantees that the products have no manufacturing defects or malfunctioning.

10. Product disposal

All the electrical and electronic equipment (WEEE) have to be managed with a selective waste sorting and cannot be disposed of as municipal waste, as provided for in Directive 2012/19/UE.

In view of the above this equipment, all its components, subsystems and the consumables which are an integral part of the product have to be conveyed to the local collection facilities for them to be disposed of in accordance with the current legislation.

Please apply to the council offices of your place of residence in order

to know where the collection facilities are located.



11. Technical data

NOTE: Please refer to the data printed on the label stuck on the lamp.

Power supply	100-240 Vac 50/60 Hz
Power input	3 W
Light color temperature	5000K
CRI	80
Operating temperature	-4 F° / 113° F (-20 / +45°C)

For any further information please refer to the table at page 7

12. Symbol keys

CE	CE Conformity marking
	Protection class III device
	Protection class II device
	Protection class I device
IP40	Degree of protection IP40

13. Declaration of Conformity

C.C.E.A. SRL, via Piave, 2 - 36077 Altavilla Vicentina (VI), Italy – VAT and Tax number 02374040240 hereby declares that the light equipment named "LYSAR SF/SA/RT" series – to which the present Declaration of Conformity is related - was manufactured by CCEA SRL in accordance with the following Directives: 2014/35/UE on Low Voltage Equipment Safety and the Directive of Electromagnetic Compatibility 89/336/CEE (EMC) 2014/30/UE. The unit complies in particular with the following regulations:

- **Directives**:

CE

Machinery Directive 2006/42/EC
Low Voltage Directive 2014/35/EU
EMC Directive 2014/30/EU

- **Harmonized Standards**

  - CEI EN 60598-1 "Lighting equipment. Part 1: General instructions and tests"
  - CEI EN 60598-2-4 "Lighting equipment part 2: particular requirements – part 4 Portable general-purpose luminaries".
  - CEI EN 62031 "LED modules for general lighting. Safety specifications".

This is a standard product manufactured following a detailed production schedule ensuring that inspections and destructive tests were carried out, for a safe, functional and sustainable product to be delivered.

C.C.E.A. SRL disclaims any responsibility resulting from tampering and/or wrong use of the device.

Date:_____
Week of production: _____
Product code: _____

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