

Operation, installation and service instructions

Lucid power lane | LED luminaire

Please read these instructions before installing the luminaires,
using them for the first time, storage or handling.



These installation and service instructions, edition 23.06.2017 apply to the
75 W / 115 W / 195 W and 150°/65°



Introduction

Dear customer,

Many thanks for buying this product from us and for the trust you have placed in us.

Please read these operating, installation and service instructions carefully before using the product.

These instructions are aimed at suitable qualified persons (e.g. electricians, installers or engineers) tasked with installation and maintenance of this product. It applies for all versions of the Lucid power lane LED luminaire. LED luminaire in the Lucid power lane range are intended for professional use outdoors.

Technical personnel must be familiar with all technical electrical directives and safety precautions, and apply these appropriately in each case.

These instructions are not suitable or intended for users and consumers without specialist technical knowledge.

For questions concerning handling the luminaire, which are not answered in these instructions, please contact:

LIGHTS 4 Europe GmbH & Co. KG
Gaildorfer Str. 6
71522 Backnang
Germany
Telephone +49 7191 323020
Telefax +49 7191 323029
Email: info@lights.de

We wish your every success with our product and hope you enjoy saving energy

Product description & applications

The LED luminaire in the Lucid power lane range come complete with an integrated power supply / driver for operating the luminaire.

The Lucid power lane is suitable for professional use in industrial, production and warehouse buildings, for illuminating working areas and walkways, as well as illuminating buildings outdoors.

The Lucid power lane is subject to quality checks in accordance with European standards. The luminaire stand out not only because of their modern design, but above all a number of special technical features, which guarantee the best possible technical performance. These include highly-efficient lens optics, high-quality housing materials, constant current control, temperature monitoring, as well as lifelong regulation of luminous flux. The working temperature of -30 to 45 °C facilitates a wide range of applications.

Labels

To help precise identification of the product, you will find information about the model and item number on the type plate. We recommend you make a note of this information so it is available if you have any questions later. This will help us handle your query more quickly.

Symbols

	<p>By using the CE mark, the manufacturer confirms that the product conforms to the applicable, product specific European directives.</p>
	<p>None of the components in this product exceeds the permissible thresholds for use of hazardous materials in accordance with the RoHS directive 2011/65/EU</p>
	<p>All electrically conductive housing components in the equipment are connected to the protective conductor system of the fixed electrical installation, which is at earth potential.</p>
	<p>An electrical product marked with this symbol may not be disposed of in domestic waste.</p>
	<p>The IP protection classification system categorizes the level of protection which a housing for electrical devices offers against solids (e.g. dust) and liquids (water, oil etc.). IP65 means 6 = dust-proof and 5 = Protected against heavy spray water</p>

Installation - general safety instructions



CAUTION - DANGER OF ELECTROCUTION

Only appropriate technical personnel may work on electrical systems. There is a risk of fatal electrocution. Before working on electrical systems and switching units, they should be removed from the power supply and secured against accidental re-connection. Before touching conductive components and cables, use appropriate equipment to confirm they are actually isolated from the power supply.

- First read the operating instructions through completely, as they contain important information for correct fitting and operation.
- Any damage caused by non-compliance with these operating instructions invalidates the warranty/guarantee! We do not accept any liability for direct or consequential damages!
- We do not accept any liability for personal or property damage caused by improper use or non-compliance with the safety instructions! In these cases, the warranty/guarantee is invalidated!
- The product may not be opened (please also read the instructions in the chapter **MAINTENANCE**).
- The light source in these luminaires is not replaceable. When the light source has reached the end of its life, the whole light must be replaced
- Do not install the product on a damp or conductive surface.
- To avoid any hazard, a damaged outer flexible lead on this light may only be replaced by the manufacturer, their representative or a comparable qualified person.
- Only install the product in switched-off mode.
- Only install the product in intended electrical systems and voltage ranges. Check and compare the information on this on the product's type plate.
- If a fault occurs, disconnect the product from the mains power supply and any other connected devices. Then ensure neither can be switched on again accidentally.
- If you cannot guarantee that the product can be operated without any danger, disconnect the product immediately from the mains power supply and any other connected devices. Once more, ensure neither can be switched on again accidentally. It is not possible to guarantee that the product can be operated without any danger when, for example, the housing or power cable is damaged, or if any foreign objects have penetrated it.
- Use suitable, approved power cables and cable connectors / clips of an adequate size. Make sure the cables sit firmly in the connectors. Any loose or exposed cables represent an extremely high risk of electric shock and fire.
- When working under roofs, on masts or any other high fitting sites, ensure you are on a solid base by using approved, certified ladders, or risers, as well as fall protection for personnel, tools and the product to be installed. Cordon off the area under the installation area adequately.
- Caution: Please consult specialists before using the luminaires in high ambient temperatures or chemically polluted environments.

Fitting

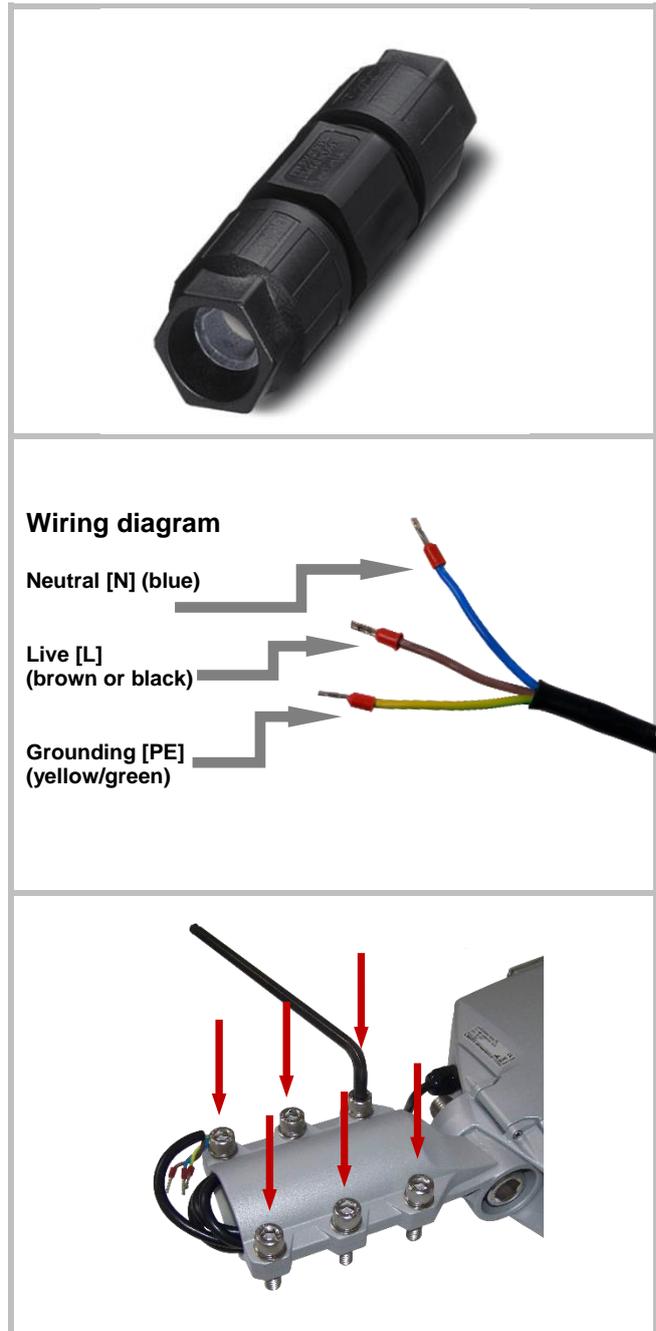
The Lucid power lane luminaire fits onto a carrier arm with a diameter of 48 - 63 mm. Before beginning the assembly the supply line must be cut off from the power supply!

- Do not connect or disconnect when live!
- Installation only by a qualified electrician!

To connect the connection lead to the mains power supply we recommend, for example QUICKON-cable connector item No.: 1642182 from PHOENIX CONTACT Deutschland GmbH.

The luminaire complies with protection class IP 66. For this reason, make sure that for the electrical connection, you use an equivalent socket. Connect the existing, flexible connection cable for mains supply, protected in an external power distribution box (not included in the scope of delivery), with at least the same protection class as the product, with the existing power supply on the assembly side. Cable end sleeves should be used with multicore cable with flexible cores.

To install the Lucid power lane LED luminaire, loosen the six clamping screws with an 8 mm Allen key far enough that the luminaire can be slid over the carrier arm without any resistance. Please make sure that the inner rubber inserts are not damaged. Remove the connecting cable for the power supply

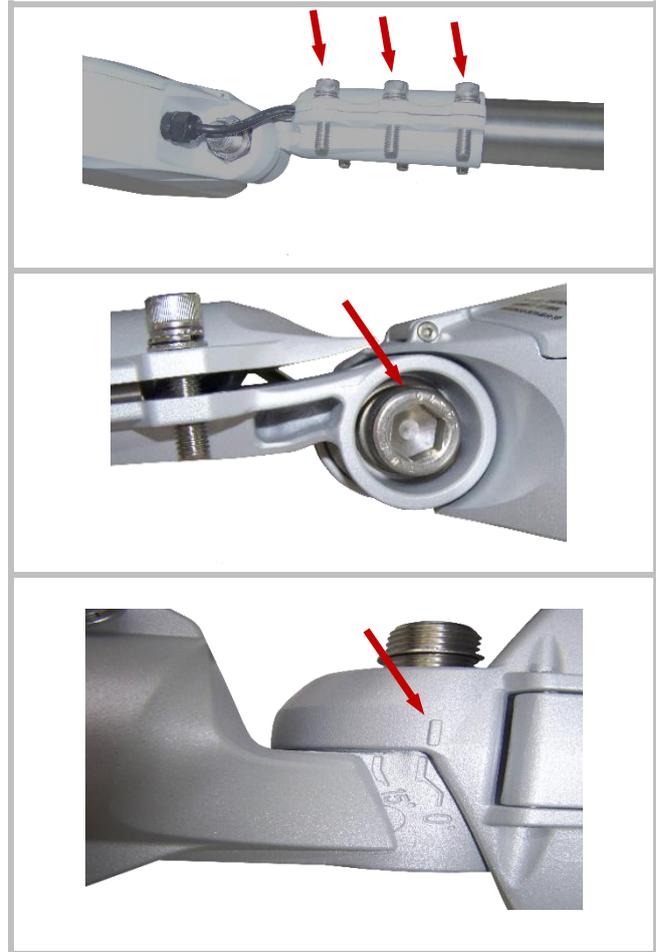


Slide the luminaire onto the mast. Afterwards fasten the luminaire by tightening all 6 clamping screws evenly. Please note that the torque should not be more than 32 Nm. For this reason use a suitable torque wrench.

To set the angle of inclination, loosen the adjusting screw and set the desired angle. Steps of each 15° from +45° to -105° are available for settings. Subsequently tighten the adjusting screw again.

You can read the set angle from the markings on the luminaire and use the value for additional luminaires.

After the LED luminaire has been aligned all the screws must be tightened. Please take care not to damage the power cable when aligning the LED luminaire. Check that the screws are tightly in place once a year.



Maintenance, care and cleaning

This product requires no maintenance and so does not contain any components, which can be checked or replaced by the user. The light source in the luminaires cannot be replaced. In the event of damage, the complete light unit must be replaced. The product is fitted with appropriate safety precautions, which show unauthorised opening (safety screws). In the event of unauthorised opening of the device or removal of the type plate, any guarantee rights will be invalidated.

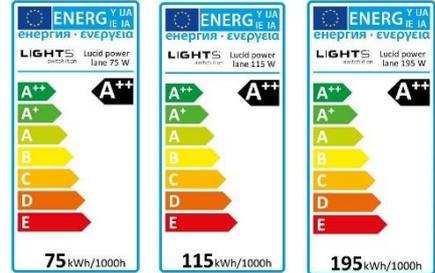
We recommend carrying out regular checks of the screws and the cabling, as well as a visual inspection of the housing and the diffuser for penetration by foreign bodies or superficial damage. During maintenance, the product should be disconnected from the power supply and steps take to ensure it cannot be switched on again accidentally. We recommend cleaning with a damp, soft, lint-free cloth. Do not use abrasive sponges or aggressive cleaners. During cleaning, the product should be disconnected from the power supply and steps take to ensure it cannot be switched on again accidentally.

Please note the general safety instructions in the chapter **INSTALLATION**.

Disposal

The Lucid power lane has been developed and manufactured using high-quality materials and components. The symbol  means that this product falls under the European directive 2002/96/EG gilt. Please familiarise yourself with the relevant directives relating to the separate collection of old electric and electronic equipment in your country. Please observe the applicable regulations in your country, and do not dispose of disused equipment in domestic waste. Proper disposal of your old devices protects the environment and people from potential negative consequences and contributes towards conserving valuable resources.

Technical data | Lucid power lane



Item No.	Beam Angle	Diffusor	Colour Temperature	CCT	Luminous Flux / Power	EAN
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Lucid power lane | 75 W Standard versions

18501	150/65°	lens array	daylight white	5,000 K	9,000 lm / 75 W	4050047185013
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Additional versions (longer delivery times, higher minimum orders)

18500	150/65°	lens array	cold white	6,500 K	9,000 lm / 75 W	4050047185006
18502	150/65°	lens array	normal white	4,000 K	9,000 lm / 75 W	4050047185020
18503	150/65°	lens array	warm white	3,000 K	8,200 lm / 75 W	4050047185037

Lucid power lane | 115 W Standard versions

18506	150/65°	lens array	daylight white	5,000 K	13,800 lm / 115 W	4050047185068
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Additional versions (longer delivery times, higher minimum orders)

18505	150/65°	lens array	cold white	6,500 K	13,800 lm / 115 W	4050047185051
18507	150/65°	lens array	normal white	4,000 K	13,800 lm / 115 W	4050047185075
18508	150/65°	lens array	warm white	3,000 K	12,400 lm / 115 W	4050047185082

Lucid power lane | 195 W Standard versions

18511	150/65°	lens array	daylight white	5,000 K	23,000 lm / 195 W	4050047185112
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Additional versions (longer delivery times, higher minimum orders)

18510	150/65°	lens array	cold white	6,500 K	23,000 lm / 195 W	4050047185105
18512	150/65°	lens array	normal white	4,000 K	23,000 lm / 195 W	4050047185129
18513	150/65°	lens array	warm white	3,000 K	20,700 lm / 195 W	4050047185136

Product-Specifications

General Information

Product family:	Lucid power lane
IP code:	IP 66
EU 2013-label classification:	A ++
Use / ambient temperature:	-30 °C to +45 °C
Material Heat sink:	Powder-coated in silver grey Stainless steel screws
Material Housing:	Powder-coated aluminium
Material Optics:	Polycarbonate (PC), shatterproof
Housing colour:	aluminium
Certification:	CE
LED Life time prediction:	> 60,000 h (LED)
Dimension:	812.6 x 309.5 x 91 mm
Net weight:	75 W: approx. 7,600 g 115 W: approx. 8,400 g 195 W: approx. 10,100 g

Photometric properties

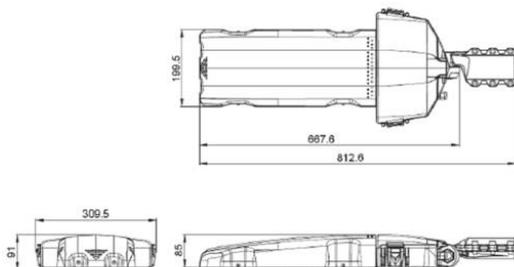
Optics:	150/65° lens array, Asymmetrical
CRI:	Ra > 70

Electrical specifications

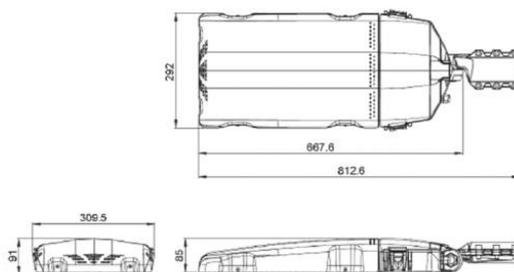
Mains voltage:	100 - 240 V ~
Frequency:	50 / 60 Hz
Protection class:	I
Driver efficiency:	> 90% eff.

Dimensions

Lucid power lane 75 W/115 W



Lucid power lane 195 W



Guarantee period

1. The guarantee period is 2 years, where an extension to the guarantee was not agreed for an extra fee at the time of purchase. This starts when the product is delivered to the end user. Any claims under guarantee must be made in writing.
2. To validate a guarantee claim, the receipt must be presented, on which the delivery or purchase data is clearly visible. In the event of a claim under guarantee, the device should be sent to your specialist retailer or to the following address:

LIGHTS 4 Europe GmbH & Co. KG (in the following "LIGHTS")
Gaildorfer Str. 6
D-71522 Backnang
Email: info@lights.de

All design, material and manufacturing faults are covered by the guarantee.

3. The guarantee excludes any faults or deficiencies relating to the following points:
 - a) Failure to follow the operating and safety instructions.
 - b) Natural wear and tear.
 - c) External factors such as transport damage, damage caused by impact, shock or over heating, as well as chemical or electro-chemical factors such as those caused by water, acids or improper use.
 - d) Repairs or alterations carried out by non-authorized third parties.
 - e) Use of unsuitable accessories.
 - f) Unauthorized opening of the housing
 - g) Removal of the type plate
4. The following are also excluded: Damage caused by improper handling, fitting or maintenance of the luminaires (see fitting instructions), damage caused by excessive force, fire, vandalism or accidental damage.
5. *LIGHTS* will resolve any faults within the guarantee period in consultation with the specialist retailer. This will take the form either of a repair or replacement of the component in question. Parts removed become the property of *LIGHTS*. Any further claims, of any kind, in particular claims for damages are excluded.
6. The following are excluded from the guarantee:
 - a) Costs for removal / fitting of the faulty or repaired luminaires
 - b) Costs for sending back the faulty luminaires

LED luminaire from *LIGHTS* are subject to ongoing development with regard to technical progress. For this reason, in the event of a repair or a replacement, the design of the repaired or replaced light may not correspond to the original design of the light subject to the claim, but it may be of equal or higher quality in terms of its properties and features. *LIGHTS* reserves the right to change guarantee periods, fixed price arrangements and conditions without prior notice. However, guarantees with a valid registration before the time of the change remain unaffected by this. *LIGHTS* reserves the right to make the final decision with regard to the validity of a guarantee claim.

Legal notices

These operating instructions contain the information required for appropriate use.

Knowledge and observance contained in these operating instructions are a condition of safe use and for safety in operation. These operating instructions cannot take every possible application into consideration. The LED luminaire is intended for use indoors, in covered outdoor areas and outdoor areas.

In addition, we would like to point out that the contents of these operating instructions are not part of, or represent a change to, a prior or existing agreement, consent or legal relationship. The operating instructions contain information which is copyright protected. Production of photocopies, or translations into another language, are not allowed without prior written permission from *LIGHTS 4 Europe GmbH & Co. KG* - Germany.

LED-Luminaire and light sources from *LIGHTS 4 Europe GmbH & Co. KG* are subject to ongoing development with regard to technical progress.