



# THORN LEO FLEX IP66 High Power LED Floodlight Installation Guide

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**THORN LEO FLEX IP66 High Power LED Floodlight**



## PRODUCT INFORMATION

### Specifications:

- **Power:** 80W, 120W, 190W, 300W
- **Replaceability:** 96635301, 96635302, 96635303, 96635304, 96635305, 96635306, 96635307, 96635308
- **Luminous Flux:** 15000lm, 20000lm, 25000lm
- **IP Rating:** IP66
- **Impact Protection:** IK08
- **Surge Protection:** 10kV

## Product Usage Instructions

### Installation and Maintenance:

1. Ensure that any installation and maintenance be performed by a qualified electrician.
2. Make sure the power supply is off before performing installation or maintenance. Do not switch it on until the installation or maintenance is completed.

### Light Source Replacement:

The light source contained in this luminaire should only be replaced by the manufacturer or his service agent or a similar qualified person.

### Flexible Cord Replacement:

If the external flexible cord of this luminaire is damaged, it should be exclusively replaced by the manufacturer or his service agent or a similar qualified person to avoid hazards.

### Installation Height:

The luminaire should only be installed outside arm's reach.

### Energy Efficiency:

This product contains a light source of energy efficiency class D.

## FAQ

- **Can I replace the light source myself?**

No, the light source should only be replaced by the manufacturer or his service agent or a similar qualified person.

- **What do I do if the flexible cord is damaged?**

The flexible cord should be exclusively replaced by the manufacturer or his service agent or a similar qualified person to avoid hazards.

- **Can I install the luminaire within arm's reach?**

No, the luminaire should only be installed outside arm's reach.

- **What is the energy efficiency class of the light source?**

The light source has an energy efficiency class of D.

## WARNING

1. Ensure that any installation and maintenance be performed by a qualified electrician and that luminaire be wired in accordance with the latest IEE electrical regulations or the local equipments.
2. Ensure that the power supply is off before performing installation and maintenance and not switched on until the installation or maintenance is completed.
3. The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.

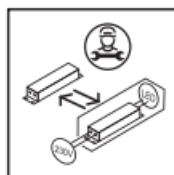
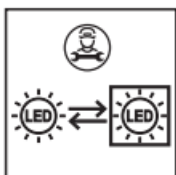
**Caution:** Risk of electric shock

4. If the external flexible cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
5. Only to be installed outside arms reach.
6. This product contains a light source of energy efficiency class D.

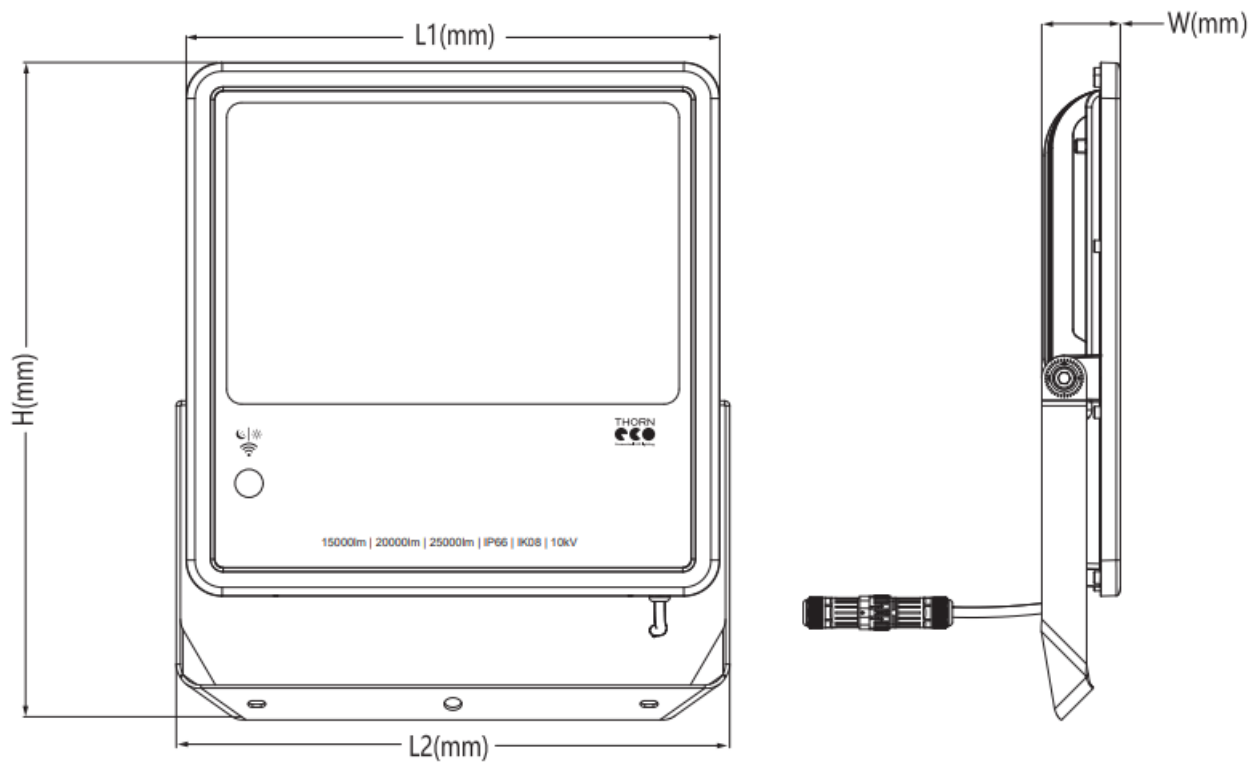
## PRODUCT SPECIFICATION

Product Description	Wattage	SAP Code	L1	L2	W	H	Wind speed (m/s)	Windage at 13°(m²) Scx	Load
LEO FLEX IP66 80W 830 PC	80W	96635301	330	345	56	359	25	0.034	4.1kg
LEO FLEX IP66 120W 830 PC	120W	96635302	330	345	56	419		0.042	4.3kg
LEO FLEX IP66 190W 830 PC	190W	96635303	380	395	56	470		0.056	5.9kg
LEO FLEX IP66 300W 830 PC	300W	96635304	465	479	72	635		0.062	11.3kg
LEO FLEX IP66 80W 840 PC	80W	96635305	330	345	56	359		0.034	4.1kg
LEO FLEX IP66 120W 840 PC	120W	96635306	330	345	56	419		0.042	4.3kg
LEO FLEX IP66 190W 840 PC	190W	96635307	380	395	56	470		0.056	5.9kg
LEO FLEX IP66 300W 840 PC	300W	96635308	465	479	72	635		0.062	11.3kg

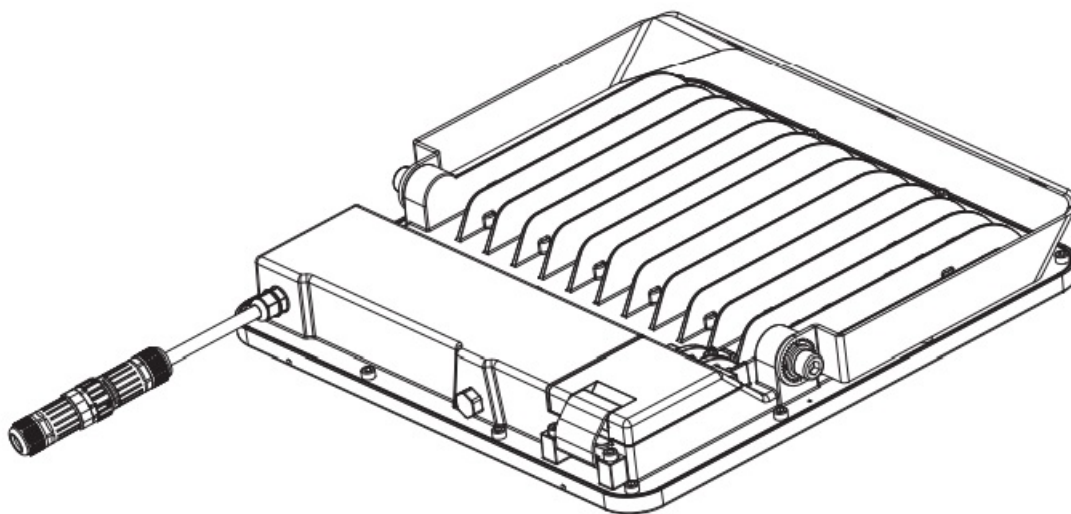
### Info on replaceability:



## DIMENSION

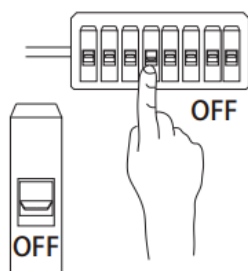


## ELECTRICAL CONNECTION

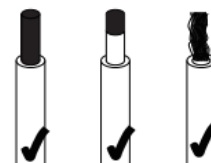
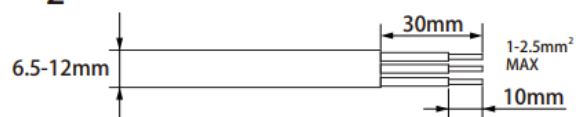


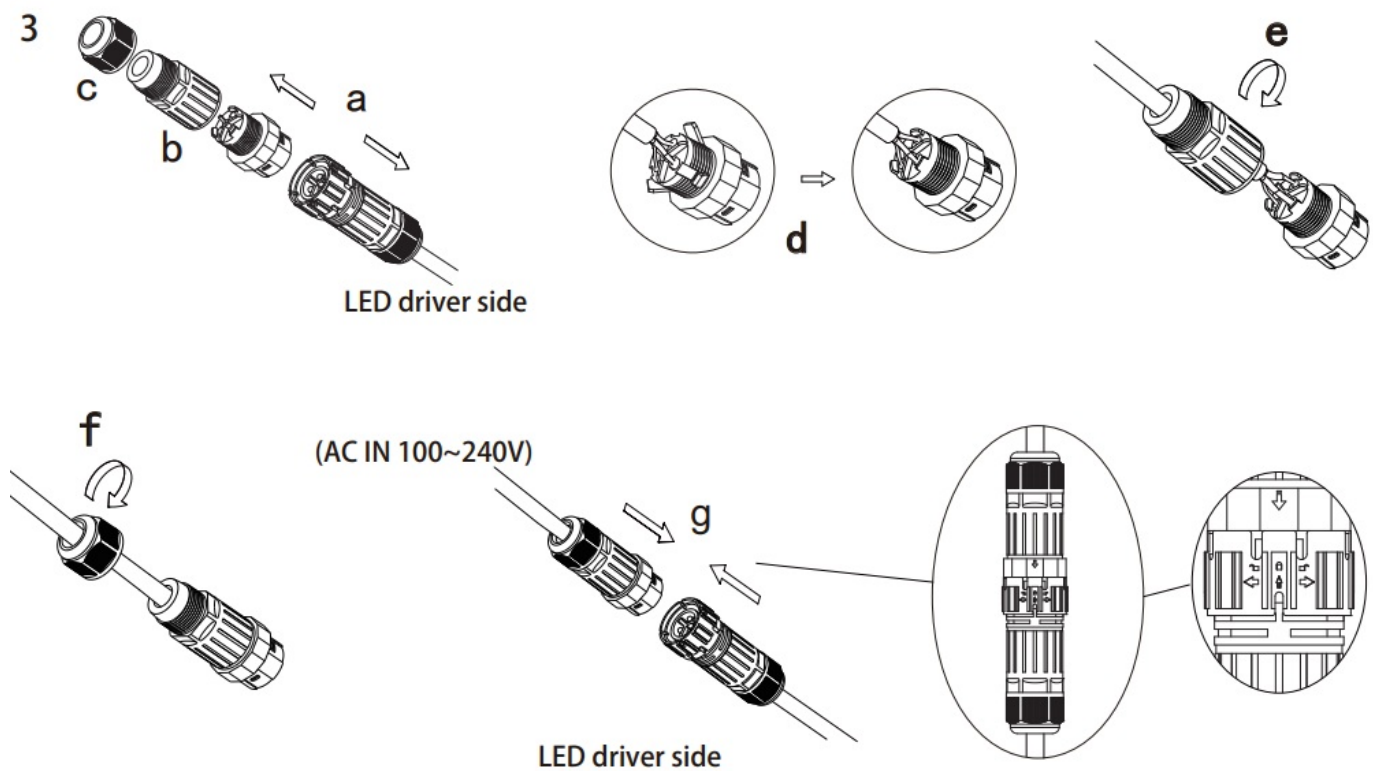
(AC Power Input 100-240V AC)

1



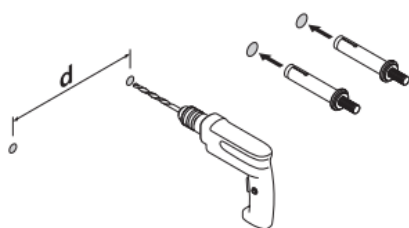
2





## INSTALLATION INSTRUCTION

1

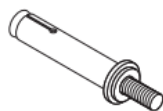


	d
LEO FLEX 80W	220mm
LEO FLEX 120W	220mm
LEO FLEX 190W	280mm
LEO FLEX 300W	260mm

2

Parts A, B, C, D are NOT included.  
Teile A, B, C, D sind nicht im Lieferumfang enthalten.  
Pièces A,B,C, D non incluses.

A:Screw



80W/120W/190W:M6x60  
300W:M10x85

B:Washer



80W/120W/190W:φ6.4xφ12x1.6  
300W:φ10.5xφ20x2

C:Spring washer



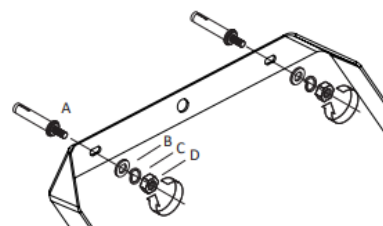
80W/120W/190W:φ6.1xφ9.1x3.2  
300W:φ10.2xφ15.1x5.2

D:Nut

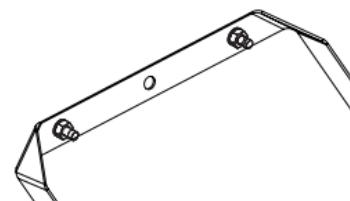


80W/120W/190W:M6  
300W:M10

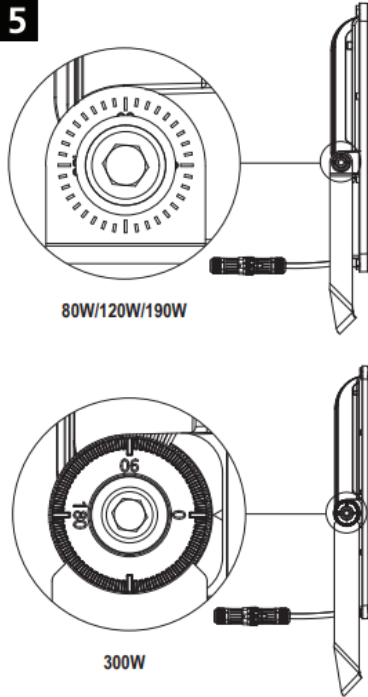
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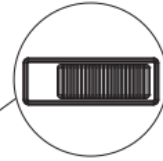
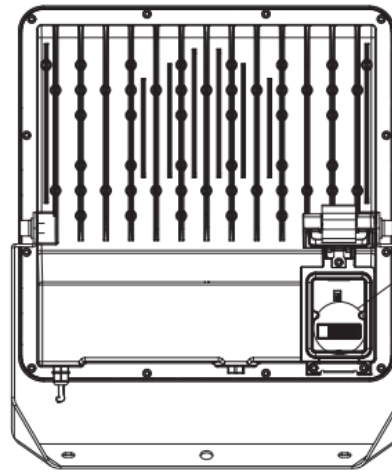
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5



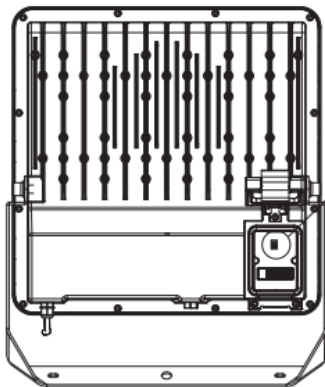
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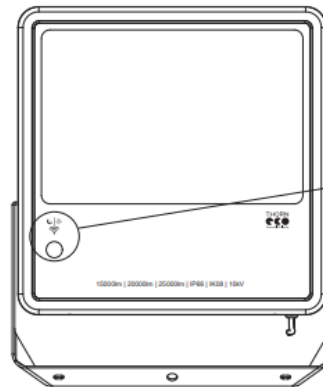
Power switching  
L:Min C:Middle R:Max

L:Min		C:Middle		R:Max	
Power	Min Luminous Flux	Power	Mid Luminous Flux	Power	Max Luminous Flux
55W	7.500lm	70W	9.000lm	80W	10.000lm
70W	10.000lm	90W	12.500lm	120W	15.000lm
105W	15.000lm	140W	20.000lm	190W	25.000lm
205W	30.000lm	250W	35.000lm	300W	40.000lm

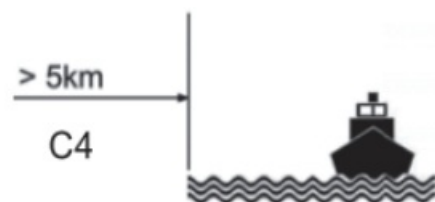
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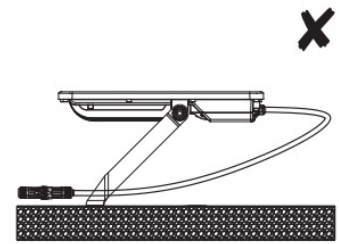
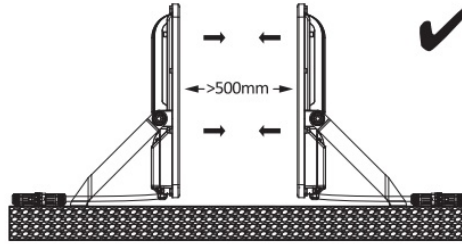
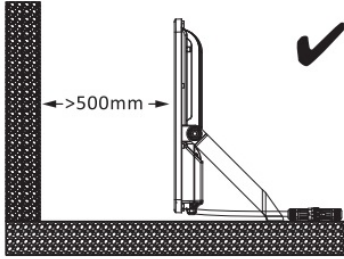
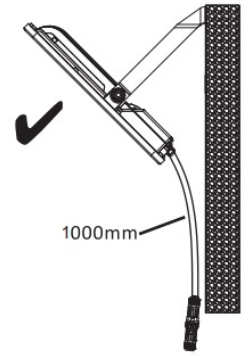
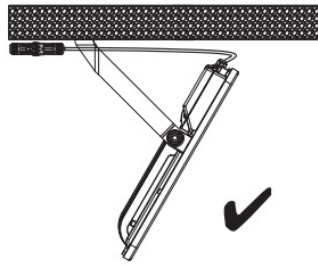
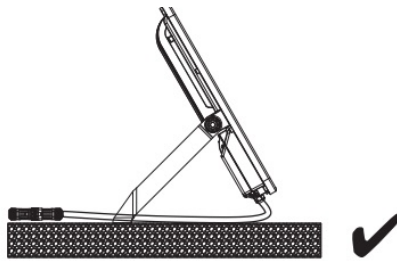
Daylight Sensor		1	2
ON	OFF		
10Lux	30Lux		
25Lux	75Lux		
200Lux	300Lux		
Disable			



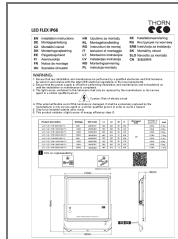
Daylight Sensor  
Dämmerungssensor  
Détecteur de luminosité



- The fitting should not be exposed to harsh chemicals. (e.g. Acids, fertilisers or lime).
- Never allow visible parts of the luminaire to be covered.
- Luminaire must not be cleaned with high pressure washers.
- The fittings is not suitable for use in high chlorine environments such as spas and swimming pools.
- Do not expose the luminaire to petroleum.
- Operational ambient temperature range -30°C to 50°C.
- Do not use if the luminaire, connectors or cabling are damaged.
- Minimum distance to sea 5 km.



## Documents / Resources



[THORN LEO FLEX IP66 High Power LED Floodlight](#) [pdf] Installation Guide  
LEO FLEX IP66 High Power LED Floodlight, LEO FLEX IP66, High Power LED Floodlight, Power LED Floodlight, LED Floodlight, Floodlight

## References

- [THORNeco - Economical LED lighting — THORNeco - Economical LED lighting — THORNeco](#)
- [User Manual](#)