

Safety Notice

The manufacturer is discharged from liability when damage is caused by improper use or installation.

If any luminaire and/or accessory is subsequently modified, the persons responsible for the modification shall be considered as manufacturer.

Product Information / Surge Protection

As an option, this luminaire can also be fitted with a surge protector of Type 2-3 (at the time of order). The technical data can be found directly on the installed device. If the surge protector has been triggered by an adverse event, the luminaire is automatically disconnected from the mains. In that case, the LED on the surge protector no longer lights up.

For comprehensive protection of the luminaire against lightning and electrical surges, primary (Type 1) and secondary (Type 2) surge arrestors must be installed into the power supply. We recommend a combination arrestor (Type 1+2+3), which is installed in the control cabinet.

The technical planner/installer is responsible for the proper selection, sizing and installation of the surge protection modules that must be provided on site. Please note the various protection levels for Class I and II, as well as the applicable statutory provisions regarding surge protection. Installation and maintenance may only be performed by a qualified electrician.

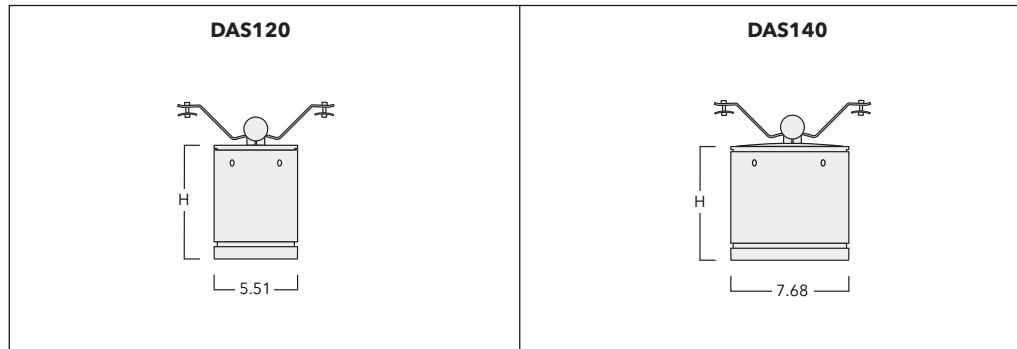


WE-EF LIGHTING

Installation and
Maintenance Instructions for
Catenary mounted
luminaires
DAS100 LED Series

Catenary mounted luminaires

IP66, IK07



Light source

DAS120 12 LED 24W

DAS140 24 LED 48W

Class I, II, ta = 25 °C

Mounting height: 10 - 20 ft

2 x 14 - 16 AWG - 0.24 - 0.39 in

3 x 14 - 16 AWG - 0.35 - 0.55 in

4 x 14 - 16 AWG - 0.24 - 0.39 in

5 x 14 - 16 AWG - 0.35 - 0.63 in



Weight, Windage area

DAS120, H 7.48..... 7.7 lb.....0.316 ft²

DAS120, H 9.84..... 8.6 lb.....0.405 ft²

DAS120, H 11.81 9.3 lb.....0.480 ft²

DAS140, H 7.48..... 14.6 lb0.432 ft²

DAS140, H 9.84..... 15.2 lb0.553 ft²

DAS140, H 11.81 15.9 lb0.658 ft²

Installation: horizontal, light output downwards

Catenary suspension, wire dia: 0.24 - 0.39 in

Catenary suspension, wire angle adjustment

(incline): max. 10°

Tools required

- Torx key TX25

- diagonal cutting pliers

- Screwdriver with 4.0 mm x 1.0 mm blade

- Allen key 3 mm, 4 mm

- 8 mm wrench

Wiring Diagram Cable Connector

0-10V / DALI

Class I → Phase (L1) to 1, Neutral (N) to N,
Control Phase (+) to 2, Control Phase
(-) to 3 and Earthing ⊕

Class II → Phase (L1) to 1, Neutral (N) to 3,
Control Phase (+) to 2, Control Phase
(-) to 4

Compare the local voltage and frequency with
date mentioned on the label of the luminaire.

Screw the gland nut together, tightening to a torque
of 5Nm (44.3 in-lb) (**fig. 5**).

Torque

Screw		Torque
M4	max.	2,0 Nm (17.7 in-lb)
M5	max.	4,0 Nm (35.4 in-lb)
M6	max.	6,0 Nm (53.1 in-lb)
M8	max.	15,0 Nm (132.8 in-lb)
M16	max.	100,0 Nm (885.1 in-lb)

Installation

The product must be installed and maintained by
a suitably qualified professional in compliance with
latest building/construction and/or electrical regu-
lations and relevant legislation.

⚡ Attention: Switch off mains electrical supply prior
to installing and connecting the luminaire. Do not
open luminaire while mains supply is switched on.

Notice: If the luminaire is modified by anybody
other than the original manufacturer, then the
warranty will no longer be valid and shall become
the full responsibility of the modifying person/
organisation. Claims based on defects attributable
to improper installation and/or application, and the
consequences thereof, are excluded.

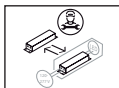
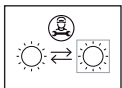
In case of component failure, LED replacement
due to abnormal circumstances or at end of life,
replacement must be carried out by a suitably qua-
lified and trained professional.

In case of questions please contact our technical
hotline: +1 724 742 0030 (from Monday - Friday
from 08.00 until 16.00 hours).

Maintenance

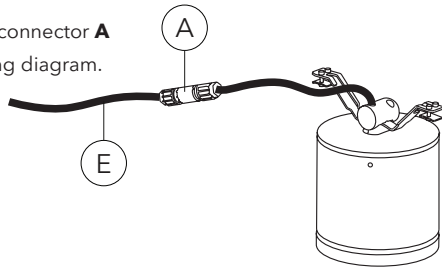
Apart from cleaning the product's exterior surfaces,
no special maintenance work is required. Do not
use high-pressure cleaners.

Protect our environment: Discard used LEDs in
compliance with the most recent environmental
legislation.



Cable connection

Connect cable **E** to the connector **A** in accordance with wiring diagram.



WE-EF Supply Cable Connector Accessory Instructions



fig. 1



fig. 2



fig. 3



fig. 4



fig. 5

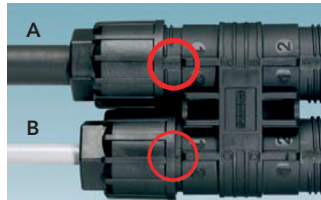


fig. 6

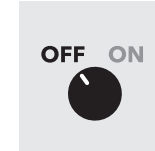


fig. 7

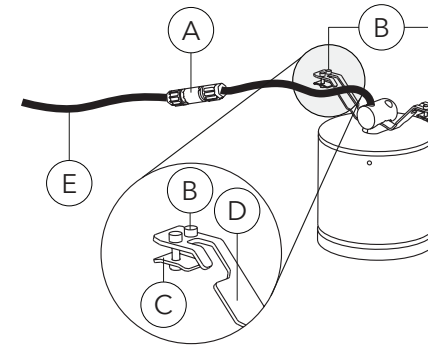
Installation Procedure

Luminaire is prewired and does not need to be opened for installation.

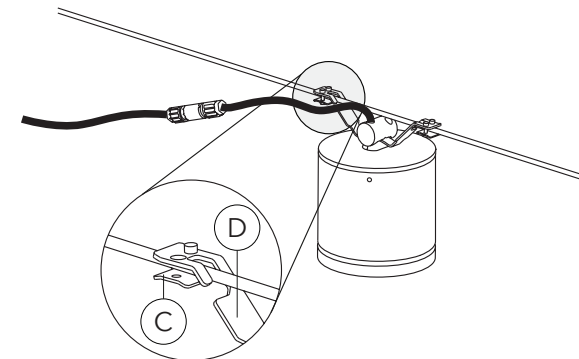
- 1) Switch off the mains electrical supply **E**.



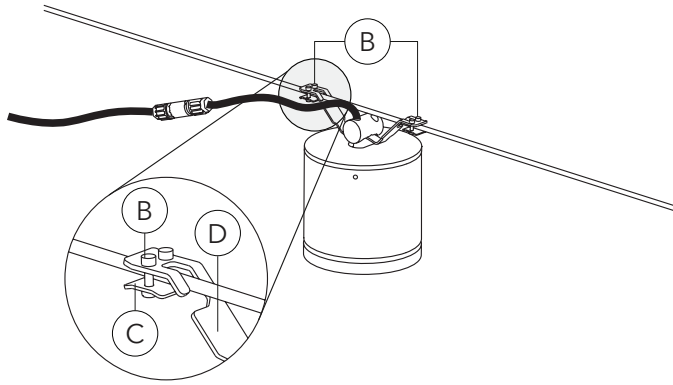
- 2) Loosen one of the screws **B** from the wire catenary suspension clamps **C** and release nuts.



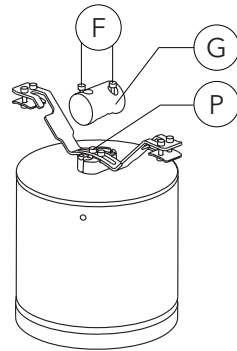
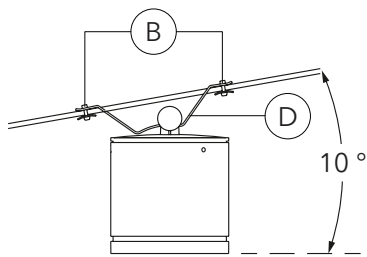
- 3) Turn wire catenary suspension clamps **C** out and connect luminaire with wire suspension **D** to catenary wire.



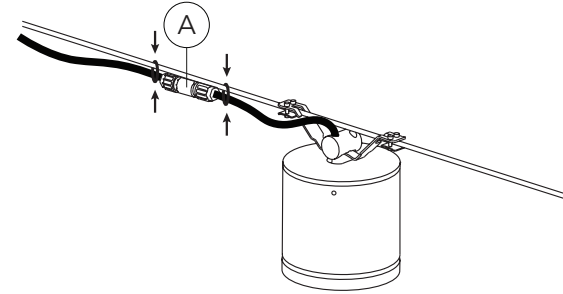
- 4) Turn wire catenary suspension clamps **C** back in position. Refer to instructions of the catenary wire producer. Tighten screws **B** back in position.



- 5) In case luminaire is not to be angled horizontally, wire mounting suspension can be adjusted up to 10° by release screws **F** and remove cover **G**. Loosen screws **P**, align luminaire and retighten screws **P**. Place cover **G** back and retighten screws **F**.

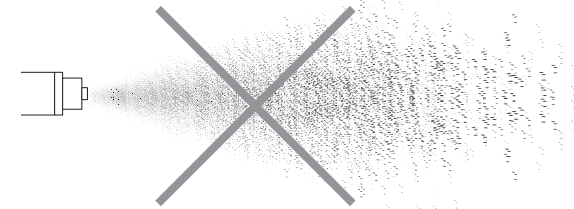


- 6) Secure cable connector **A** to catenary suspension by using cable ties.



- 7) Maintenance is limited to regular cleaning.

Attention: Do not clean luminaire with a jet spray!



- 8) When using a linear lens IO-180, the light distribution must be observed during installation!
(See image)

