

FLUOLITE

COMPETENCE IN
LIGHT & LUMINAIRES





We
manufacture
locally.

Since 1926.

Fluolite Light & Luminaires – Luminaire production in Germany



We have been manufacturing “Made in Germany” luminaires since the 1950s. We promise you, our customers, consistently high product quality.



German and European production in accordance with ISO 9001 and ISO 14001.



Strict quality standards for materials, workmanship, technology and service.



Efficient delivery and procurement channels.

Efficient use of resources – with respect for the environment



We want to make our own contribution to improving sustainability:

- Use of green electricity
- Efficient delivery and procurement channels
- Long lifetime of LED modules
- Replaceable LED modules
- Returning production waste to the production cycle

Multilumen moisture-proof luminaire PAC-D EL ML



Adjustment range of
the mounting brackets



Diffuser style: opal or pearled

Seal made from ageing-
resistant PU foam

Luminous efficacy up to
168 lm/W (eligible for BEG)

Sustainable product thanks to
replaceable LED module and
replacement diffuser



Eligible for BEG

POWERFUL_{technology}
PREMIUM_{quality}
TOP PRICE

Multilumen

- One luminaire, variable light intensity
- Easy storage, increased flexibility

Outstanding reliability

- High-quality materials and components, precise workmanship
- Manufactured in accordance with DIN EN 605989 (VDE)



Scan the code and watch our
product video on YouTube.


PAC-D EL ML Multilumen

LED MOISTURE-PROOF LUMINAIRE WITH DIFFUSER

CE      



Luminaire housing made of glass-fibre-reinforced polyester, light grey, flame retardant. Diffuser made of UV-resistant PMMA (IK 03) or PC (IK 07). High-quality closures and multifunctional mounting brackets made from stainless steel (V2A) for rapid installation. Suitable for ceiling or wall mounting indoors and in covered outdoor areas.

- ▶ **ENEC and VDE certification marks**
- ▶ **Sustainable product thanks to replaceable LED module**
- ▶ **Luminous efficacy up to 168 Lm/W (eligible for BEG)**
- ▶ **Safe for use in the food industry – HACCP certified**
- ▶ **AC/DC capable**
- ▶ Long LED lifetime – 50,000 h for L80/B10
- ▶ Colour tolerance (initial MacAdam) 3
- ▶ Suitable for surface-mounting, trunking or suspended mounting
- ▶ Plastic closures optionally available
- ▶ -symbol, suitable for rooms with an elevated fire risk

Type		Version	Colour temp. (K)	Luminous flux (Lm)	System power (W)	LED lifetime	L	E1	E2 (± 60 mm)	Article No.
PAC-D LED EL ML opal	650	Basic	4000	2300 / 1500	17 / 10	50,000 h L80/B10	660	510	360	6324 1050
	1200	Basic	4000	4600 / 2800	33 / 19	50,000 h L80/B10	1220	880	760	6324 1350
		TW 5 x2.5	4000	4600 / 2800	33 / 19	50,000 h L80/B10	1220	880	760	6324 1367
	1500	Basic	4000	5900 / 3700	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 1550
		TW 5 x2.5	4000	5900 / 3700	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 1567
		HF sensor	4000	5900 / 3700	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 1551
PAC-D LED EL ML pearled	1200	Basic	4000	5100 / 3200	33 / 19	50,000 h L80/B10	1220	880	760	6324 1850
		TW 5 x2.5	4000	5100 / 3200	33 / 19	50,000 h L80/B10	1220	880	760	6324 1875
	1500	Basic	4000	6400 / 4000	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 2050
		TW 5 x2.5	4000	6400 / 4000	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 2075

Shock-resistant polycarbonate (PC) diffuser, IK 07

PAC-D/PC LED EL ML opal	650	Basic	4000	2300 / 1500	17 / 10	50,000 h L80/B10	660	510	360	6324 1080 •
	1200	Basic	4000	4600 / 2800	33 / 19	50,000 h L80/B10	1220	880	760	6324 1355 •
		TW 5 x 2.5	4000	4600 / 2800	33 / 19	50,000 h L80/B10	1220	880	760	6324 1310
	1500	Basic	4000	5900 / 3700	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 1555 •
		TW 5 x 2.5	4000	5900 / 3700	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 1560
		HF sensor	4000	5900 / 3700	43 / 25	50,000 h L80/B10	1520	1180	1060	6324 1556 •

• available ex stock



PAC-D LED EL ML online:
www.fluolite.de/produkte/pac-d-el

PAC-D EL

LED MOISTURE-PROOF LUMINAIRE WITH DIFFUSER

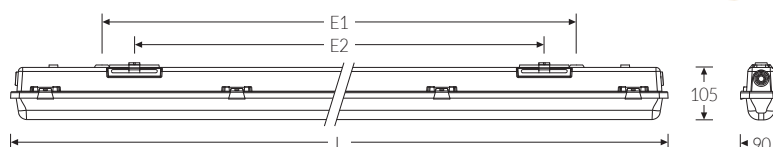
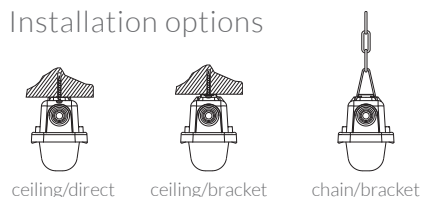
CE    IP65

Type		Version	Colour temp. (K)	Luminous flux (Lm)	System power (W)	LED lifetime	L	E1	E2 (± 60 mm)	Article No.
PAC-D LED EL opal	1200	DALI + TW 5 x 2.5	4000	4600	33	50,000 h L80/B10	1220	880	760	6324 1375
		EL 3 h Autotest	4000	4600	38	50,000 h L80/B10	1220	880	760	6324 1380
	1500	DALI + TW 5 x 2.5	4000	5900	43	50,000 h L80/B10	1520	1180	1060	6324 1575
		EL 3 h Autotest	4000	5900	45	50,000 h L80/B10	1520	1180	1060	6324 1580

• available ex stock

Compatible accessories see page 107

Installation options



THE DIFFERENCES BETWEEN

ACRYLIC (PMMA) AND POLYCARBONATE (PC)

Acrylic (PMMA)
offers the following advantages:

- High resistance to weathering
- Very good UV resistance
- Excellent chemical resistance
- Resistant to greases, oils, acids and alkaline cleaners

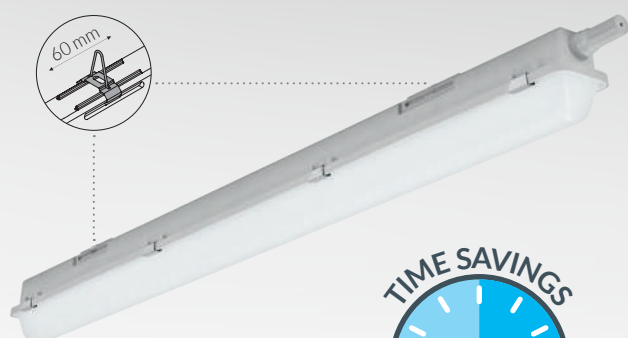
Polycarbonate (PC)
offers the following advantages:

- Excellent shock resistance
- Considerable breaking strength
- High thermal stability
- High rigidity



PAC-D EL Q

LED MOISTURE-PROOF LUMINAIRE WITH DIFFUSER



Q - Quick-Mounting System

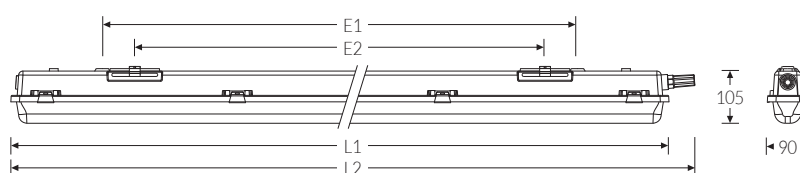
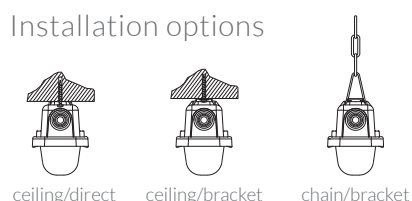
The PAC-D EcoLine Q is the ideal solution for easy and time-saving installation.

- ▶ ENEC and VDE certification marks
- ▶ Sustainable product thanks to replaceable LED module
- ▶ Luminous efficacy up to 150 Lm/W (eligible for BEG)
- ▶ Safe for use in the food industry – HACCP certified
- ▶ AC/DC capable
- ▶ Long LED lifetime – 50,000 h for L80/B10
- ▶ Colour tolerance (initial MacAdam) 3
- ▶ Suitable for surface-mounting, trunking or suspended mounting

Type		Version	Colour temp. (K)	Luminous flux (Lm)	System power (W)	LED lifetime	L1	L2	E1	E2 (± 60 mm)	Article No.	
PAC-D LED EL Q opal	1200	Basic	4000	2800	19	50,000 h L80/B10	1220	1280	880	760	6324 6105	
			4000	4600	33	50,000 h L80/B10	1220	1280	880	760	6324 6125	
		TW 3 x 2.5	4000	2800	19	50,000 h L80/B10	1220	1340	880	760	6324 6115	
			4000	4600	33	50,000 h L80/B10	1220	1340	880	760	6324 6135	
	1500	Basic	4000	3700	25	50,000 h L80/B10	1520	1580	1180	1060	6324 6605	
			4000	5900	43	50,000 h L80/B10	1520	1580	1180	1060	6324 6625	
			4000	9000	60	50,000 h L80/B10	1520	1580	1180	1060	6324 6645	
		TW 3 x 2.5	4000	3700	25	50,000 h L80/B10	1520	1640	1180	1060	6324 6615	
			4000	5900	43	50,000 h L80/B10	1520	1640	1180	1060	6324 6635	
			4000	9000	60	50,000 h L80/B10	1520	1640	1180	1060	6324 6655	

• available ex stock

Installation options



CLICK

Simply click the lamp into the previously installed mounting brackets.



CONNECT

The plug-in contact system lets you establish the electrical connection from the outside – without having to reach inside the luminaire.



DONE!

Screw the protective plug in place over the connection to ensure that the higher IP 65 protection grade is maintained.

Compatible accessories see page 107

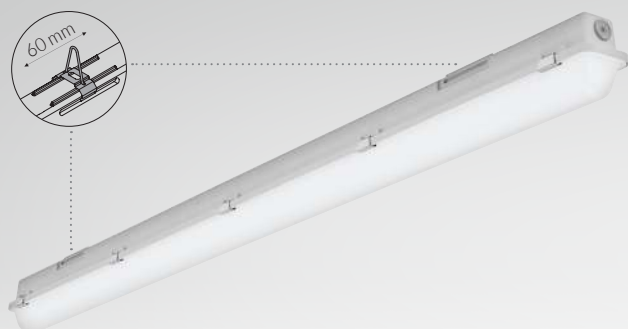


PAC-D LED EL Q online:
www.fluolite.de/produkte/pac-d-el

PAC-D HP

LED MOISTURE-PROOF LUMINAIRE WITH DIFFUSER


CE    IP65



High Performance LED moisture-proof luminaire

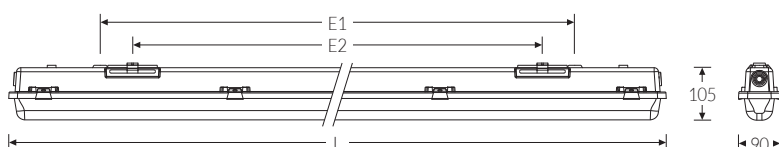
Luminaire housing made of glass-fibre-reinforced polyester, light grey, flame retardant. PMMA diffuser, translucent opal, homogeneous illumination. High-quality closures made of stainless steel (V2A). Multifunctional stainless-steel mounting brackets for rapid installation (luminaire can be clipped in). Classic design for indoor or covered outdoor areas. Suitable for ceiling or wall mounting.

- Up to 12,600 lumens
- Versions with 6,500 Kelvin available
- Sustainable product thanks to replaceable LED module
- Luminous efficacy up to 158 Lm/W (eligible for BEG)
- Safe for use in the food industry – HACCP certified
- AC/DC capable

- Long LED lifetime – 50,000 h for L80/B10
- Colour tolerance (initial MacAdam) 3
- Homogeneous illumination
- Suitable for surface-mounting, trunking or suspended mounting
- Plastic closures optionally available
- -symbol, suitable for rooms with an elevated fire risk

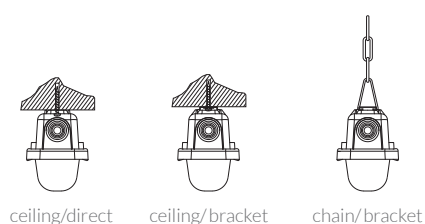
Type		Version	Colour temp. (K)	Luminous flux (Lm)	System power (W)	LED lifetime	L	E1	E2 (± 60 mm)	Article No.
PAC-D LED HP	1500	Basic	4000	9000	60	50,000 h L80/B10	1520	1180	1060	6323 8260
			4000	12,600	80	50,000 h L80/B10	1520	1180	1060	6323 8250
			6500	9000	60	50,000 h L80/B10	1520	1180	1060	6323 8270
		TW 5 x 2.5	4000	9000	60	50,000 h L80/B10	1520	1180	1060	6323 8265
			4000	12,600	80	50,000 h L80/B10	1520	1180	1060	6323 8255
			6500	9000	60	50,000 h L80/B10	1520	1180	1060	6323 8275

• available ex stock



Installation options

Ceiling fixings with stainless-steel mounting brackets (included in the scope of delivery) let you easily clip the housing into position on the ceiling. It can also be suspended from a chain or cable using the enclosed bracket – this allows particularly easy mounting. The fixing span can be varied by 60 mm by means of sliding mounting brackets.



Variable fixing span due to clip-in mounting brackets with 60 mm adjustment range.



Suspended mounting from a chain or cable (not included) is possible using the supplied bracket and hanger.



LED luminaire warranty

THE FLUOLITE QUALITY PLEDGE



Quality lighting – reflected by our warranty

Premium materials, precise workmanship and reliable partners – these are what make our products so dependable. Furthermore, we consistently adhere to the highest standards – we manufacture and test our products in accordance with the European standard DIN EN 60598 (VDE).

Our free luminaire warranty is based on our total confidence in our luminaire systems and gear. When you purchase a Fluolite product, we guarantee its quality and flawless performance under the terms of the warranty for a period of three or five years, based on the number of operating hours.



Five-year luminaire warranty

Our luminaires with a rated life expectancy of $\geq 50,000$ operating hours come with a five-year warranty.

Three-year luminaire warranty

We provide a warranty of up to three years for luminaires with a rated life expectancy of $< 50,000$ operating hours.



The warranty period starts from the date of invoice. Warranty claims must be submitted immediately after the occurrence of the defect along with our invoice as proof of purchase. The warranty is valid throughout Europe for all LED modules, LED gear and other LED components of our luminaires.

Our warranty is subject to the following terms and conditions:

Our warranty only covers failures due to material, design and manufacturing defects, as well as failures that exceed the rated failure rate of 0.2 % per 1,000 operating hours.

The average rate of decrease in luminous flux of LED modules occurs due to technical reasons up to a value of 0.6 % per 1,000 operating hours, and is therefore not covered by the warranty. As a result of technical advancements, deviations in light characteristics may occur when LED modules are replaced.

Moreover, the validity of any warranty claims is dependent on the fact that

- ❶ our luminaires are used as intended and the technical limit values are complied with;
- ❷ no modifications are made to our luminaires;
- ❸ their installation and maintenance is carried out by qualified personnel in accordance with the installation and maintenance instructions.

Our warranty includes the following services:

Our warranty extends to repair, replacement or crediting of the purchase price at our discretion. In the event of a replacement delivery, we shall be authorised to deliver a replacement product that deviates from the original due to technical advancements.

Any costs associated with the installation and removal of the defective product or the replacement product, as well as the costs of scaffolding and lifting platforms, transport, shipping and disposal are not covered under our warranty. We are also not liable for any other damage resulting from the failure of the luminaires.

The performance of a warranty service does not result in an extension of the warranty period.

The customer's statutory warranty rights shall remain unaffected. In all other respects, our general terms and conditions of sale shall apply.



COMPETENCE IN
LIGHT & LUMINAIRES

Prinz-Eugen-Strasse 21
88069 Tettnang
GERMANY

☎ +49 7542 517 0

✉ info@fluolite.de

WWW.FLUOLITE.DE



QUALITY FROM SOUTHERN
GERMANY

