

15 MINUTE TRAINING MODULE 003



LED NON-CORROSIVE FITTINGS (NCFs)



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LED Non-Corrosive Fittings (NCFs)



What is an NCF?

NCF stands for Non-Corrosive Fitting or Fixture. They are sometimes called Weather Proofs or Vapour Proofs.

The main parts are the body, which contains all the electrical components and a diffuser which softens the intensity of light, to lessen any harsh contrast between light and shadows.

Where would an NCF be used?

NCFs are widely used in industrial areas, workshops and dusty environments. They are ideal where cleaning with jets and hoses is taking place and are perfect for areas with lots of moisture that may attack and cause metal body fittings to rust.

What are NCFs made from?

Most NCFs are made from acrylic or polycarbonate, but whichever material is used, Déluce Lighting would always recommend that both body and diffuser are made from the same material, as with our own Endurance NCFs.

This is to ensure the unit expands at the same rate in warmer conditions. The metal clips and brackets are manufactured from stainless steel.

How are NCFs mounted?

They can be surface mounted or suspended with a cable system such as Gripple®.

Déluce Lighting NCFs should always be fixed with the mounting/suspension clips provided, this ensures the IP rating of the fitting is maintained.

The body should never be drilled to mount the fitting, as this can cause stress fractures and may lead to the fitting falling from its mounting points. It will also invalidate the warranty and damage the IP65 integrity.

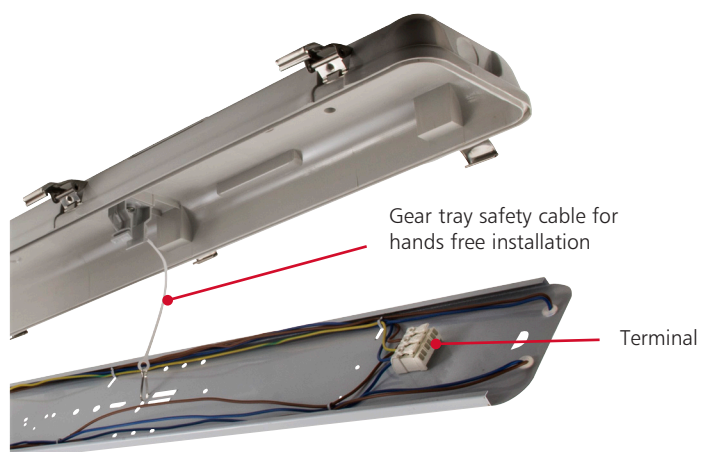
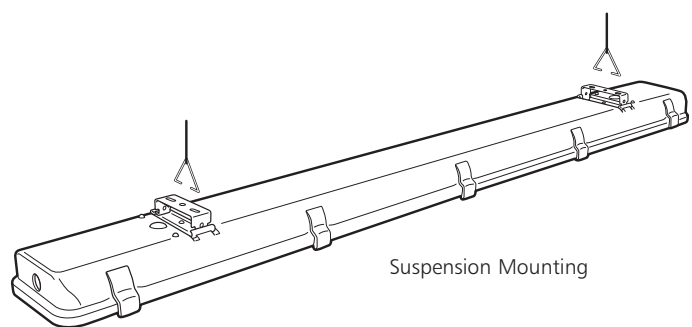
Do the Déluce Lighting NCFs have any additional features?

The Déluce Lighting NCFs come complete with safety cords attached to the gear tray, leaving hands free to complete the wiring.

There are terminals at both ends of the fitting allowing the installer to through wire.

The body and diffuser are both manufactured from polycarbonate making the NCF extremely robust.

They are a glass free fitting, so, an ideal solution where food is being prepared or processed.



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Are the Déluce Lighting NCFs classed as energy saving?

Yes, the NCFs are LED and will save up to 65% in power consumption, saving money in energy and maintenance.

Energy savings?

		Total Watts Per Fitting	Kilowatts Consumed	Cost Per kWh	Cost Per Hour	Total Hours Used	Total Cost Per Fitting	Number of Fittings	Cost Per Day	Per Year (365 Days)
Existing Fittings	2 x 58W 5ft Twin Non-Corrosive	142	0.142	£0.12	£0.0170	12	£0.20	100	£20.45	£7,463.52
Proposed Fittings	5ft Twin LED Non-Corrosive	55	0.055	£0.12	£0.0066	12	£0.08	100	£7.92	£2,522.88
Proposed Savings Per Year									£4,572.72	
Total Fitting Cost									£7,000.00	
Payback in Years									1.53	

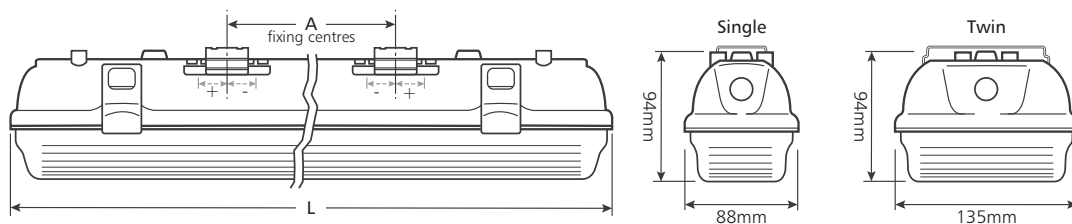
What's in the Déluce Lighting Endurance NCF Range?

Endurance NCF Features:

- IP65 rated
- Polycarbonate body and opal polycarbonate diffuser
- Available in 2ft, 4ft, 5ft and 6ft models
- Single and twin LED SMD options
- Colour Temp = 4200±200K Cool White LED
- c/w stainless steel clips
- Operating temperature -20°C to +40°C
- Emergency options available
- Tridonic driver included
- Push type terminal block

Product Code	Watts	Length	LED SMD	Total Power	Lumens	Colour Temperature	A	L	W	H
DLNCFLED12	10W	2ft	Single	12W	950	4200±200K	350	675	88	94
DLNCFLED22	20W	2ft	Twin	23W	1800	4200±200K	350	675	135	94
DLNCFLED14	20W	4ft	Single	23W	1850	4200±200K	850	1280	88	94
DLNCFLED24	40W	4ft	Twin	43W	3600	4200±200K	850	1280	135	94
DLNCFLED15	26W	5ft	Single	29W	2350	4200±200K	1060	1565	88	94
DLNCFLED25	52W	5ft	Twin	55W	4600	4200±200K	1060	1565	135	94
DLNCFLED16	32W	6ft	Single	35W	2950	4200±200K	1330	1850	88	94
DLNCFLED26	64W	6ft	Twin	65W	5750	4200±200K	1330	1850	135	94
DLNCFLED22E3	20W	2ft	Twin	23W	1800	4200±200K	350	675	135	94
DLNCFLED14E3	20W	4ft	Single	23W	1850	4200±200K	850	1280	88	94
DLNCFLED24E3	40W	4ft	Twin	43W	3600	4200±200K	850	1280	135	94
DLNCFLED15E3	26W	5ft	Single	29W	2350	4200±200K	1060	1565	88	94
DLNCFLED25E3	52W	5ft	Twin	55W	4600	4200±200K	1060	1565	135	94
DLNCFLED16E3	32W	6ft	Single	35W	2950	4200±200K	1330	1850	88	94
DLNCFLED26E3	64W	6ft	Twin	65W	5750	4200±200K	1330	1850	135	94

Please Note; Emergency NOT available in the single 10W NCF option



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Where can an LED NCF be used?

The Déluce Lighting NCFs can be used in a wide variety of installations, for example: Low level warehouse racking, Low level workshops, Mezzanine spaces, Multi-storey & underground car parks, Agriculture buildings, Swimming pools and Plant rooms. As a glass free fitting the Déluce Lighting NCFs are also an ideal solution where food is being prepared or processed.

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