



Profiled

F - SERIES

**FLICKER FREE LINEAR
LIGHTING SOLUTIONS**

INDOOR/OUTDOOR

230V AC

You inspire, We innovate.

Who We Are

Profled Group is a pioneering and world-leader provider of driverless flexible linear lighting solutions. The Group was founded in Spain in 1984 and now operates globally with an R&D Center in Hong Kong and production facilities in Shenzhen. Our high-performance, direct line-voltage solutions, are engineered to perform in very different environments: from high-visual-comfort indoor commercial applications, to the most demanding environments such as construction sites and tunnels.

Blending European design with Asian manufacturing excellence, we engineer lighting systems that are innovative, robust, and future-ready.

Mission

To revolutionize linear lighting through our proprietary driverless, solderless, and durable solutions—delivering safety, simplicity, and sustainability to different industries.

Guided by our commitment to excellence, we partner with clients through strategic advisory and superior product ecosystems, delivering high-end lighting innovations that fundamentally elevate human-environment interactions.

Our Philosophy

Your toughest challenges drive our creativity. When standard lighting solutions fail, we step in with tailor-made technology that pushes boundaries. Innovation is not our goal—it's our habit.

Vision

To Illuminate The Future.

We envision a world where lighting is intelligent, flexible, and sustainable—adapting to people, spaces, and the environment in real time.



Our Technology

We Create What
Others Can't Imagine

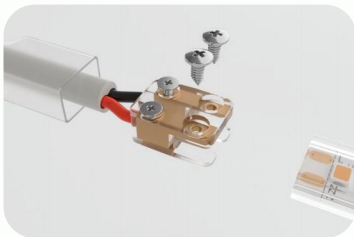
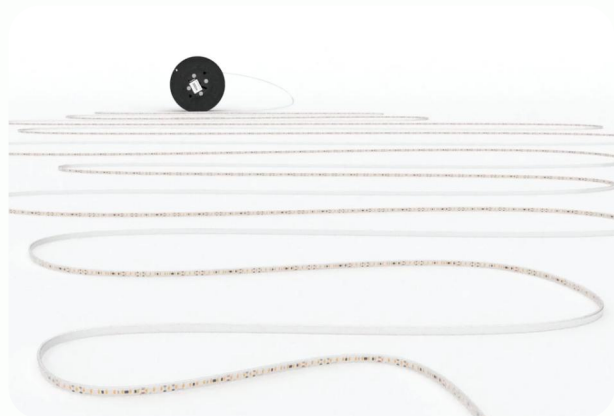


DRIVERLESS SIMPLICITY

Direct **LINE-VOLTAGE** connectivity eliminates the need for external power supplies – quicker, safer, and more simpler installation. No drivers, no hassles.

INFINITE LENGTH

Ultra long-run LED flexible linear lighting solutions **up to 500m** with only one power input.



Solderless

Our in-house solderless connectors ensure a **SMOOTHER, QUICKER and SAFER INSTALLATION** without the common issues caused by poor soldering.



Encapsulations

We adapt our materials according to the environment they are used in, **PRIORITIZING THE SAFETY AND HEALTH** of users.



Customizability

We're not selling products—we are here to listen to your needs and offer tailored **SOLUTIONS**.

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Driverless.

Endless.

Magical.

FLICKER FREE LIGHTING SOLUTIONS

INDOOR/OUTDOOR

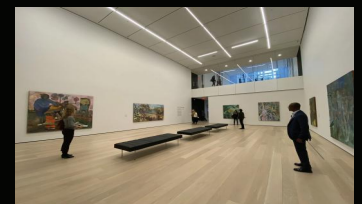
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APPLICATION

- Office
- Commercial
- Hospitality
- Residential
- Education
- Industrial Manufacturing
- Public infrastructure
- Medical Center

F-Series has been developed in order to fulfill the highest requirements and regulations in terms of flicker for indoor applications. Our state-of-the-art technology delivers long run lighting solutions free of flicker in the whole dimming range. Using standard Triac (phase cut, trailing edge) dimmers, the light intensity can be adjusted through a very smooth dimming curve. Long run, high efficiency lighting solutions that ensure and maximize the user's eye-comfort, perfect for indoor applications and in accordance with ErP regulations.



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**FLICKER
FREE
LINEAR
LIGHTING
SOLUTIONS**



FLICKER FREE SERIES - F120/F90

Available in 90 and 120 LED/m, short cutting distance, excellent and smooth dimming performance down to 5% using standard Triac Phase-cut Dimmers (Trailing edge). Achieves a flicker index of less than 0.05% across all dimming levels, ensuring a visually comfortable environment ideal for retail spaces, offices, and areas under continuous operation. This mitigates eye strain and is essential for high-quality photography and video recording.

 >115lm/W	 100m Linkable	 Dimmable	 125/166mm Cutting length
 IK08/10	 IP65/67	 UV & Chemical Resistant	 ErP Compliant
 Driverless Solution	 EMC TESTED	 Patented	 Flicker Free



ErP | LVD | EMC



FLICKER FREE LINEAR LIGHTING SOLUTIONS

Indoor/Outdoor

Ref. FLICKER FREE SERIES – F120/F90



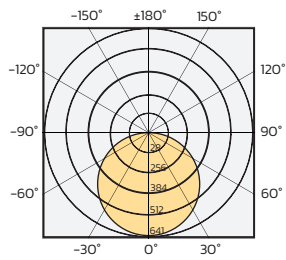
OPTIONS

LED Type	W/m	LEDs/m	Size	Lm/W	Lm/m	Cutting Length	Max. Length	Article No.
2835	15	120	12X5mm	115	1725	125mm	100m	F120
2835	15	90	12X5mm	118	1770	166mm	100m	F90

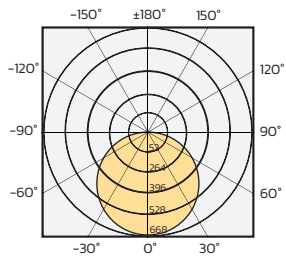
*Configuration options available upon request.

LIGHT DISTRIBUTION

F120



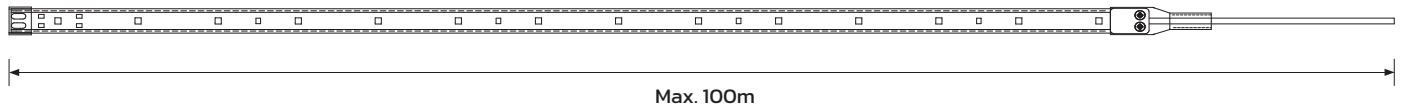
F90



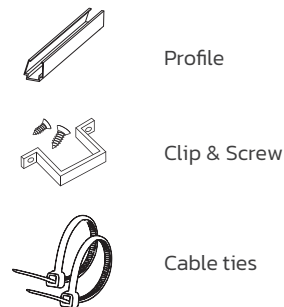
SPECIFICATIONS

Article No.	F120	F90
W/m	15	15
Lumen/M	1725	1770
Lumen/W	115	118
Cutting length	125mm	166mm
LEDs/m	120	90
Flicker PsTLM (Range less than 1) EU 2019/2020	0,1	
Flicker SVM (Range less than 0.4) EU 2019/2020	0,1	
Lifetime (L80, B10)	35,000h	
Voltage	230 V AC ± 5%	
Power factor	0,70	
Beam angle	120°	
CCT	2700K/3000K/4000K/5700K/6000K	
CRI	>80	
IK	08/10	
IP	65/67	
Ambient temp	-20°C - + 40°C	
Material	High transparent silicone	
Double-sided adhesive	3M LSE	
Maximum length	100m	
Reel	5/10/25/50/100m	

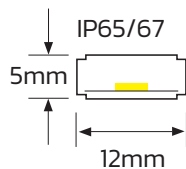
WIRING GUIDE



INSTALLATION METHODS



DIMENSIONS



PACKING INFO (F120)

Reel	Size(mm)	Weight(kg): IP65/67
5m	Ø178 x H14,5	0,32/0,38
10m	Ø254 x H12	0,78/0,98
25m	Ø220 x H45	1,71/2,25
50m	Ø220 x H105	3,17/4,26
100m	Ø220 x H215	6,11/8,29

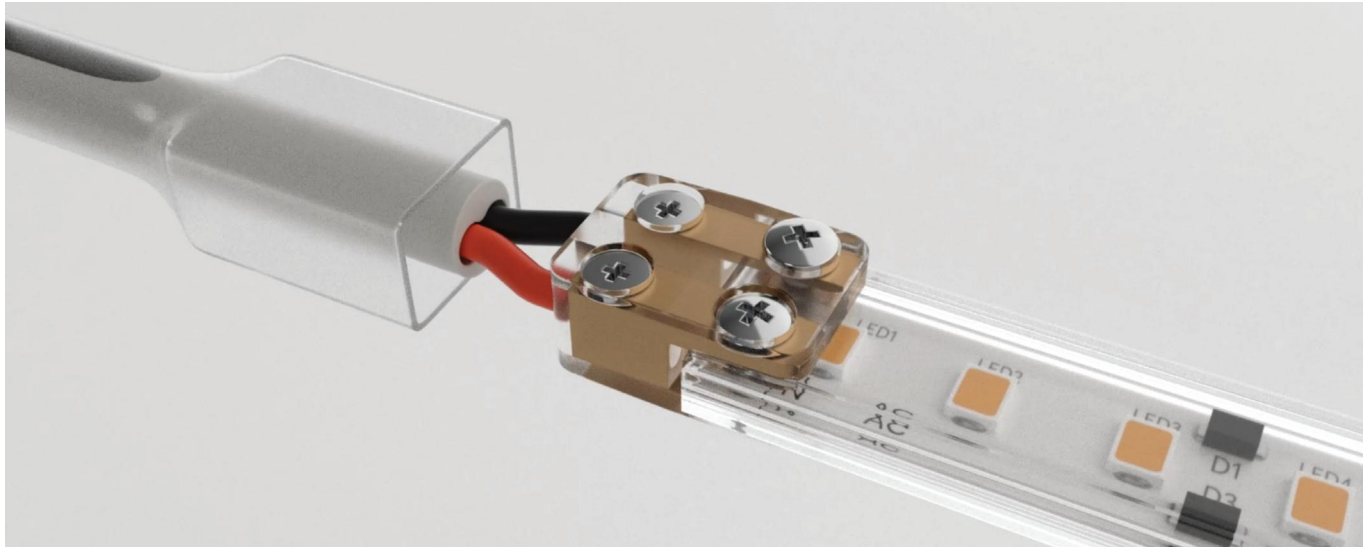
PACKING INFO (F90)

Reel	Size(mm)	Weight(kg): IP65/67
5m	Ø178 x H14,5	0,28/0,36
10m	Ø254 x H12	0,75/0,96
25m	Ø220 x H45	1,68/2,22
50m	Ø220 x H105	3,12/4,20
100m	Ø220 x H215	6,00/8,17

FLICKER FREE LINEAR LIGHTING SOLUTIONS

Indoor/Outdoor

Ref. ACCESSORIES - F120/F90



Strip to Strip Connectors



Bridge Connector
039195



T Connector
039260



Cross Connector
039261



90° Vertical Connector
039258



90° Flat Connector
039259



Screw
039202



Strip Cap
039161



End Cap
039059

Cable to Strip Connectors



Terminal Block
039175



Screw
039203



Screw
039091



End Cap
039059



Power Cap
039100

Bridge Connector Kit

Ref. 039275

(1 pc) Bridge Connector
(2 pcs) Power Cap
(4 pcs) Screw

T Connector Kit

Ref. 039276

(1 pc) T Connector
(3 pcs) Power Cap
(6 pcs) Screw

Cross Connector Kit

Ref. 039277

(1 pc) Cross Connector
(4 pcs) Power Cap
(8 pcs) Screw

90° Vertical Connector Kit

Ref. 039278

(1 pc) 90° Vertical Connector
(2 pcs) Power Cap
(4 pcs) Screw

90° Flat Connector Kit

Ref. 039279

(1 pc) 90° Flat Connector
(2 pcs) Power Cap
(4 pcs) Screw

Terminal Block Kit

Ref. 039280

(1 pc) Terminal Block Kit
(1 pc) Power Cap
(1 pc) End Cap
(4 pcs) Screw



ErP | LVD | EMC



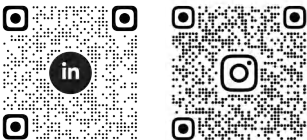
R&D Center

Unit 1901B, 19F, Allied Kajima Building,
138 Gloucester Road,
Wanchai, Hong Kong S.A.R.

Production Facilities

Room 302, 3/F (west side), Building F,
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