

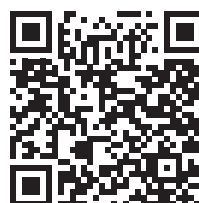
# HIGHLIGHTS 2024

/ 3F Filippi



**3F Filippi**





/Sales Network

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The information in this catalogue is indicative and we invite you to visit our website **3f-filippi.com** or contact our Sales Network to check for updates.

In the strive to continuously improve its products, **3F Filippi** reserves the right to modify the technical characteristics of the products illustrated herein and the contents of this publication, without prior notice.



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# / Group

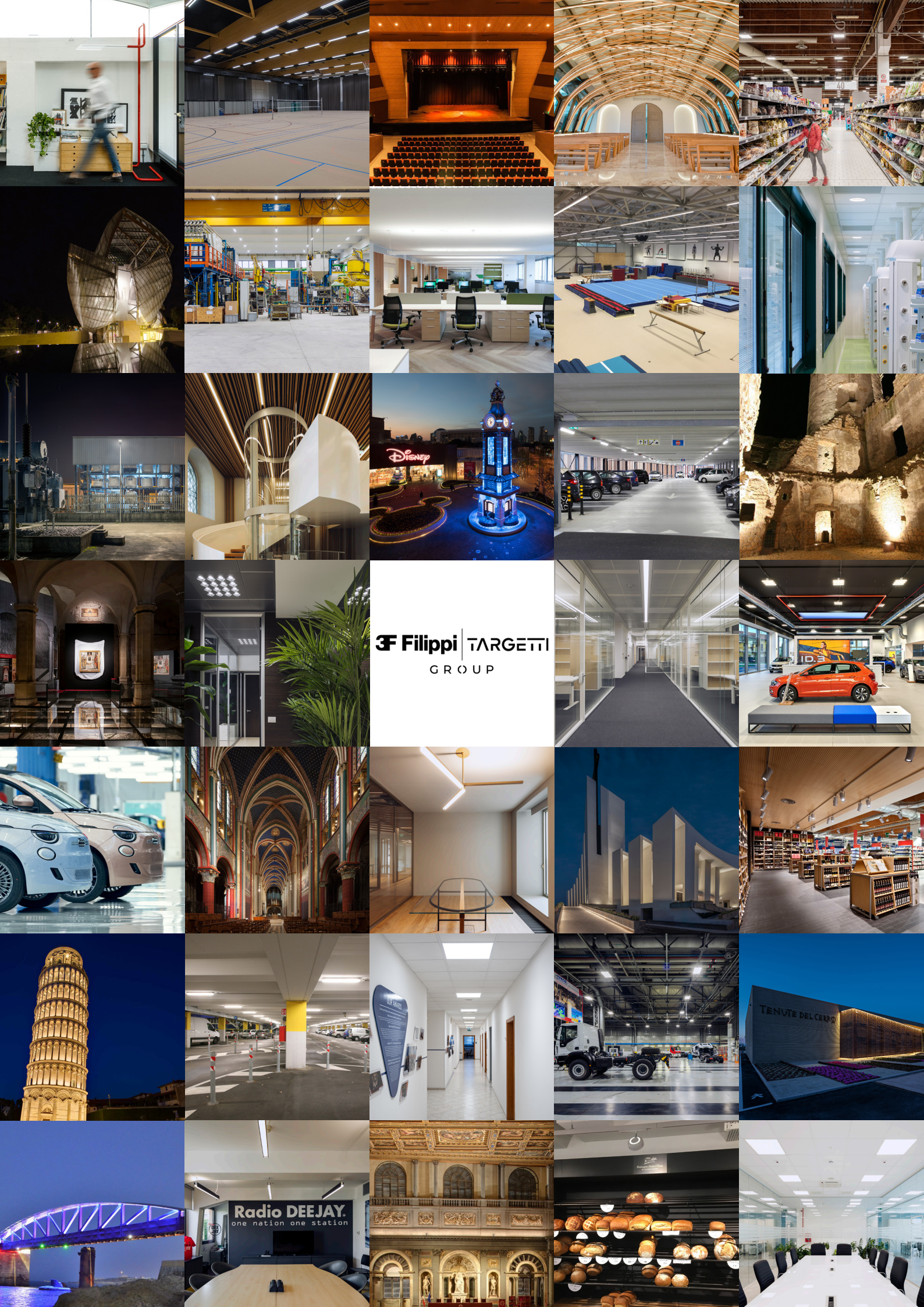
Three companies, one group, all sharing the same values, all expressions of Made in Italy.

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Drawing on decades of consolidated expertise and leveraging a combination of skills in the field of technical and architectural lighting, our trio of brands works together to offer a comprehensive portfolio of products, proudly promoting the excellence of Made in Italy in more than 50 countries worldwide.

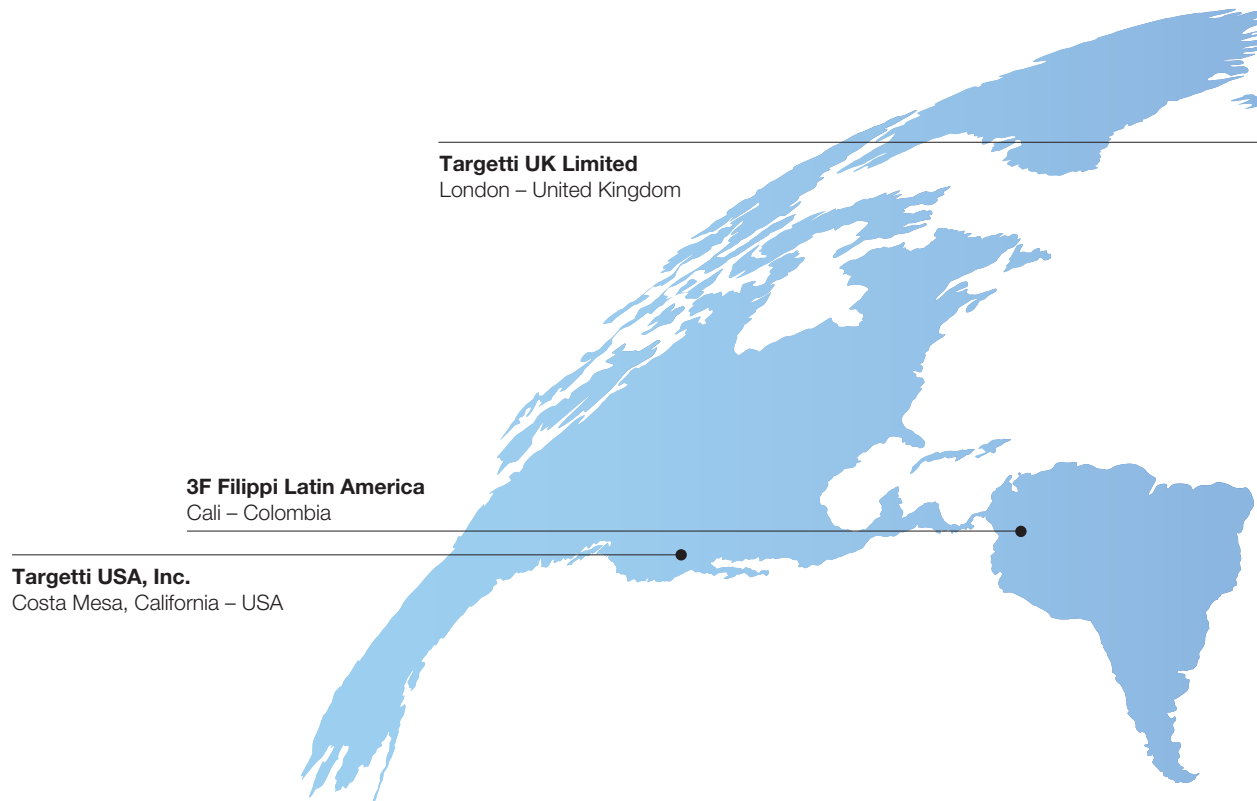
The Group's offering caters to and fulfils a vast array of design and planning needs. Our clients can rely on a broad range, spanning from the technical and functional products of the 3F Filippi catalogue, to the indoor and outdoor lighting fixtures by Targetti, and an extensive selection of LED light sources and fixtures offered by the Duralamp brand.







# / Connected. Everywhere.

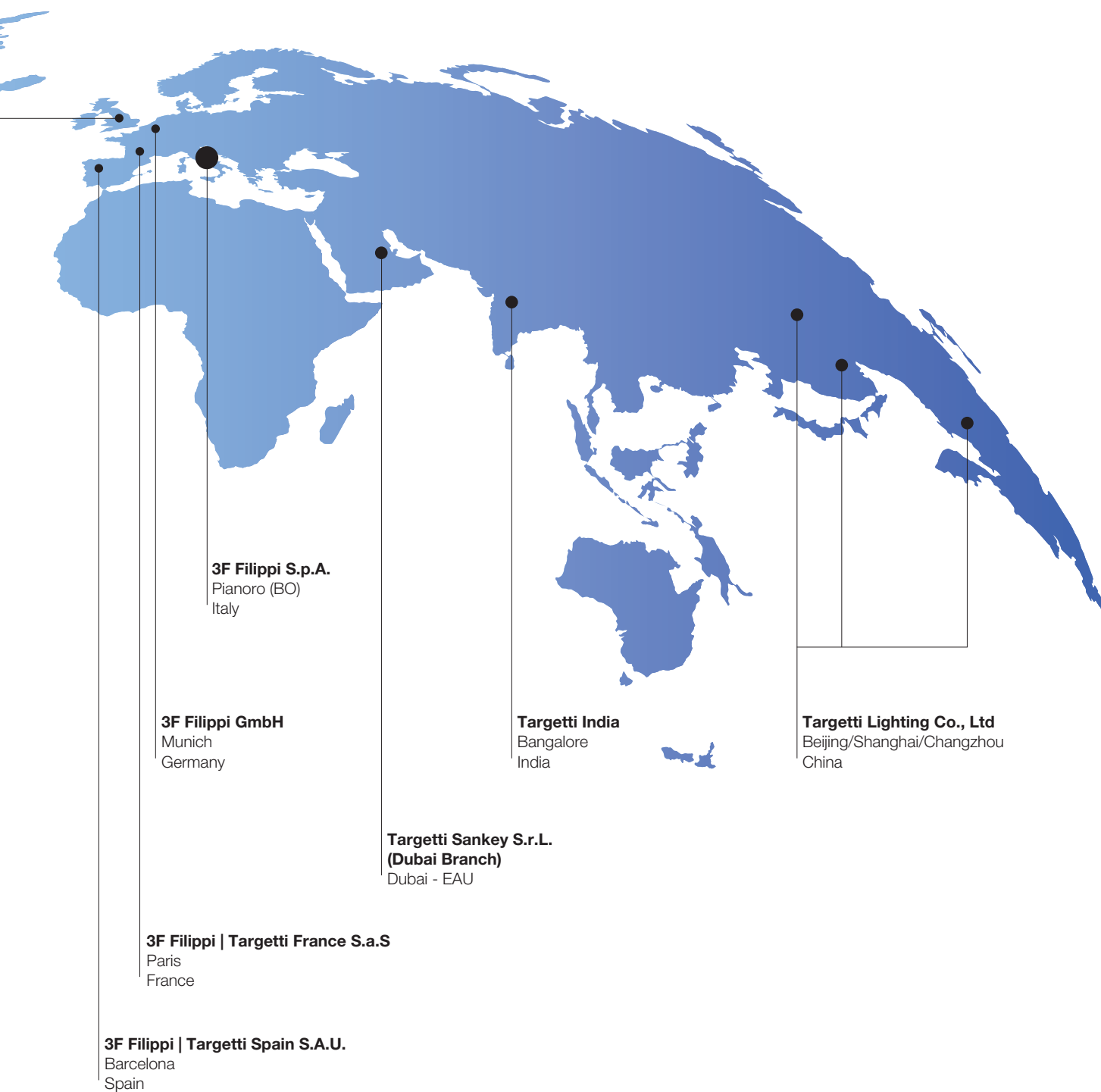


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The Company works with a dense network of regional and foreign offices in the European, American, Asian and Oceanic markets.

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The 3F Filippi | Targetti group represents a single entity, serving as an exclusive partner for professionals and designers in pursuit of quality solutions, providing them with the most cutting-edge tools and the support of our Sales Offices located all around the globe.





# / 3F Filippi

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**3F Filippi**, a Company that has made lighting history in Italy, is today a brand at the service of professionals and designers looking for quality solutions.

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Our most cherished value: absolute market transparency. Since 1952, we have been dedicated to designing and marketing quality light fixtures that guarantee lasting performance, thus establishing ourselves as a reliable partner for every lighting project.

# / Our values



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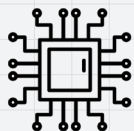
We aim to foster the diffusion and development of a new consumer model based not on a “disposable” economy but rather on products designed for long-term viability and upgradability.

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Our products have always been designed as adaptable platforms responsive to evolving customer needs and technological progress, delivering ever more efficient solutions. To achieve this, we focus on enhancing product performance and minimising the environmental footprint of our production processes.

**3F Filippi** actively collaborates with **Lighting Europe** to develop increasingly high-tech systems in accordance with European and worldwide standards. We are also **members of ASSIL** (National Association of Lighting Manufacturers), partners **and** institutional supporters **of IES** (Illuminating Engineering Society of North America), **AIDI** (Italian Lighting Association) and **APIL** (Association of Lighting Professionals), with whom we share the values of the “Carta della Luce” (Lighting Charter).





/ **RELIABILITY** first and foremost

Our foremost objective is to provide our customers with the best technology on the market. Every time a customer chooses one of our products, they can be sure they are getting only the best in terms of **technical performance, reliability and consumption.**



/ **SAFETY** at the highest level

All 3F Filippi products are tested in-house in special laboratories in accordance with the current national CEI 34-21, European EN 60598-1 and international IEC 60598-1 standards, ensuring the **safety, quality and long life** of the devices.



/ 100% **SUSTAINABLE**

We have always been conscious of the **environment**: every product is conceived as a versatile platform tailored to our customers' needs, facilitating its reuse, reconditioning, enhancement (upgradability) and recycling.



/ **READY** for any emergency

3F Filippi stands out as one of the few companies in Europe with the tools to certify its products in accordance with the latest UNI EN 13032 and IES LM-79 standards, setting out the specifications for **emergency lighting** with or without a replaceable light source.



## 3F Rio

3F Rio represents the forefront of innovation in the industrial sector, boasting high performance and a unique modular design that can be customised to suit a range of applications.

p. 17



## 3F Tank Rock

3F Tank Rock is the ideal choice for ATEX environments, offering the highest IP rating and IK resistance, and is suitable for use in ATEX zones 2 and 22 (Gas and Dust).

p. 45

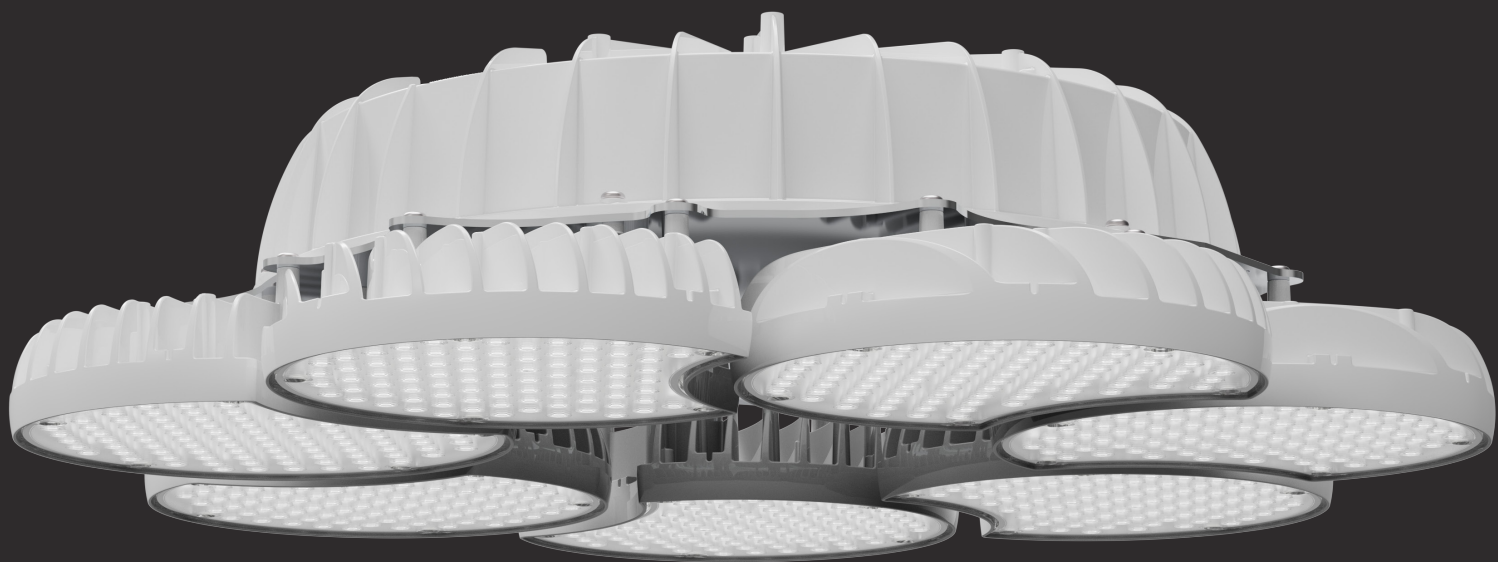


## 3F Rover

3F Rover is a new product, ideal for industrial and logistical applications, valued for its delicate balance between lightness and sturdiness, ensuring versatility in a range of settings, including the food industry (HACCP).

p. 31





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Innovation is synonymous with flexibility: **3F Rio** represents the new frontier for industrial applications, harnessing its innovatively designed luminaires to tailor lighting to different usage needs.

## Overview

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- Efficiency up to 200 lm/W.
- Fluxes up to 60,000lm.
- Pitches up to 1.50 x hu.
- UGR <22.
- Wide, Medium and Narrow distributions.
- Ta HO 45° - HT 70°C.
- From 2 to 8 modules.
- Service life (L80/B10): 100,000 h.
- Standard, Sensor and HT versions.
- ON/OFF and DALI-2 DATA.
- IoT ready.
- Single fixing point.
- Quick connection.
- Patented design.

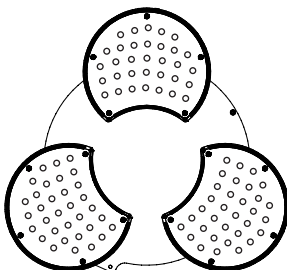
## MODULARITY: the core essence of Rio.

What makes 3F Rio so unique is its extraordinary modularity, allowing reduced glare and shadowing on the work surface.

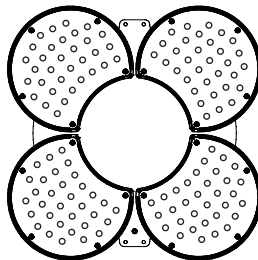
The die-cast aluminium heat sinks in a characteristic half-moon shape can be arranged in either a circular (C) or linear (L) configuration, thus offering a broad range of combinations.

For the Circular (C) version, assembly options range from 3 to 8 modules, while for the Linear (L) version, the range spans from 2 to 4 modules, across all product families: Standard, Sensor and High Temperature (HT).

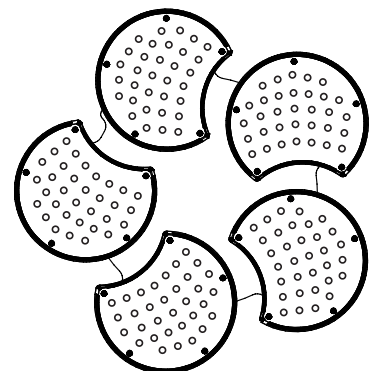
3F Rio **3C**  
21.000 lm



3F Rio **4C**  
28.000 lm

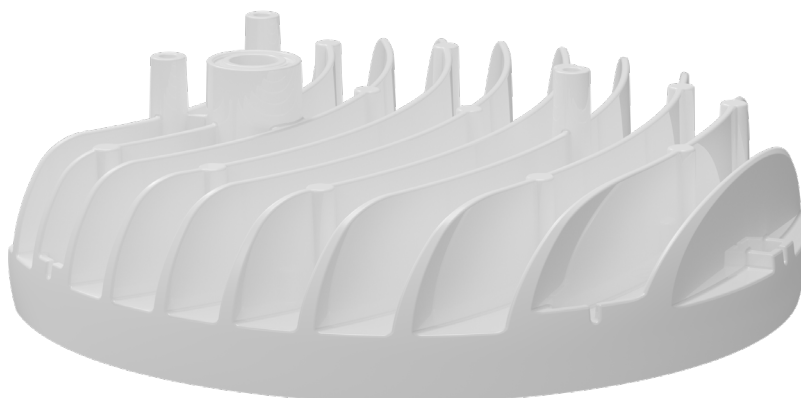


3F Rio **5C**  
35.000 lm

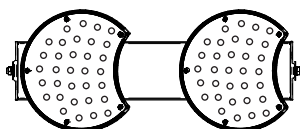


Above - module to scale 1:2  
mm

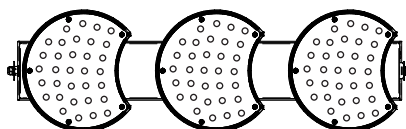
205



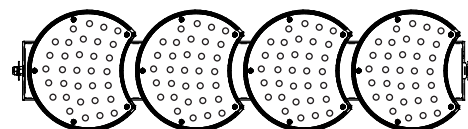
3F Rio **2L**  
14.000 lm



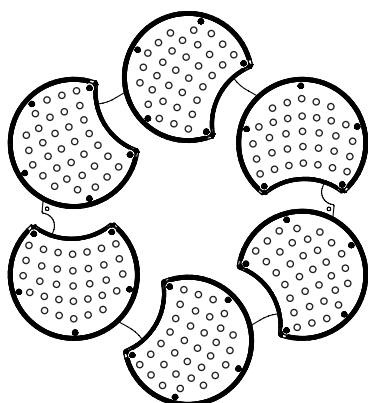
3F Rio **3L**  
21.000 lm



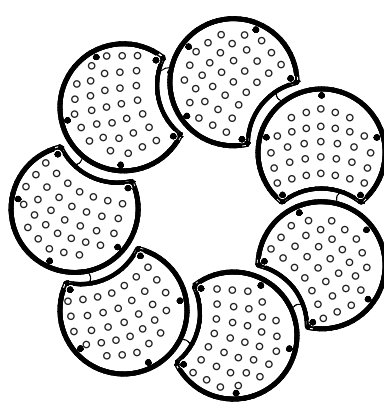
3F Rio **4L**  
28.000 lm



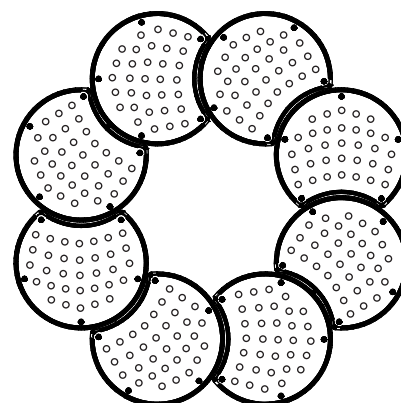
3F Rio **6C**  
45.000 lm

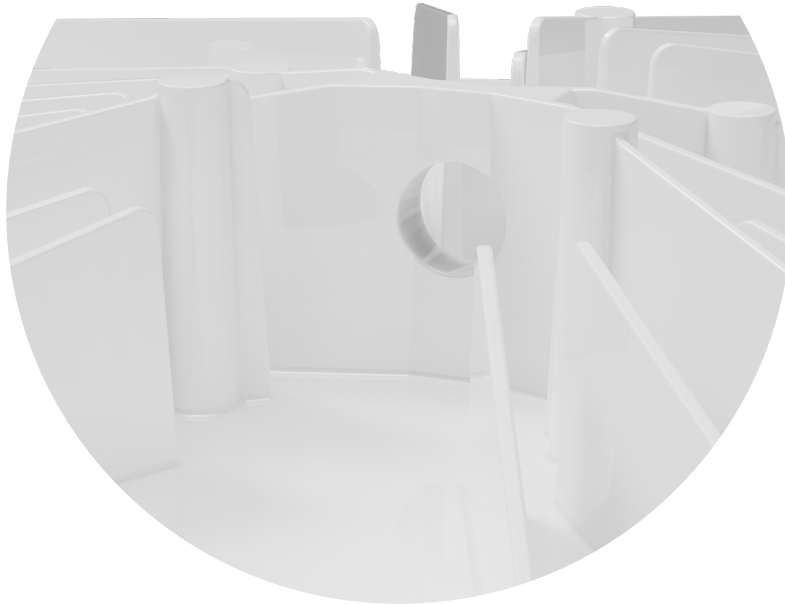


3F Rio **7C**  
53.000 lm



3F Rio **8C**  
60.000 lm





## Unprecedented **PERFORMANCE.**

3F Rio is an industrial-grade product that stands out for its exceptional capacity for heat dissipation.

This performance is achieved through the special shape of the heat sink modules, specially designed to maximise airflow, inspired by techniques used in the aviation industry.

Specifically, the configuration of the upper fins produces a Venturi effect, providing effective thermal insulation for the electronic components, thus ensuring the fixture's L80/B10 certified lifespan of up to 100,000 hours, even at temperatures up to 70°C (in HT versions).

The design of 3F Rio is engineered with installer convenience in mind. Its single, squared-off fixing point prevents any possible misalignment of the fixture, while the quick connection using the Techno connector, located on the top of the body, ensures fast and easy suspension/under-bar installation.



above - close-up of suspension hook





## A winning **COMPOSITION.**

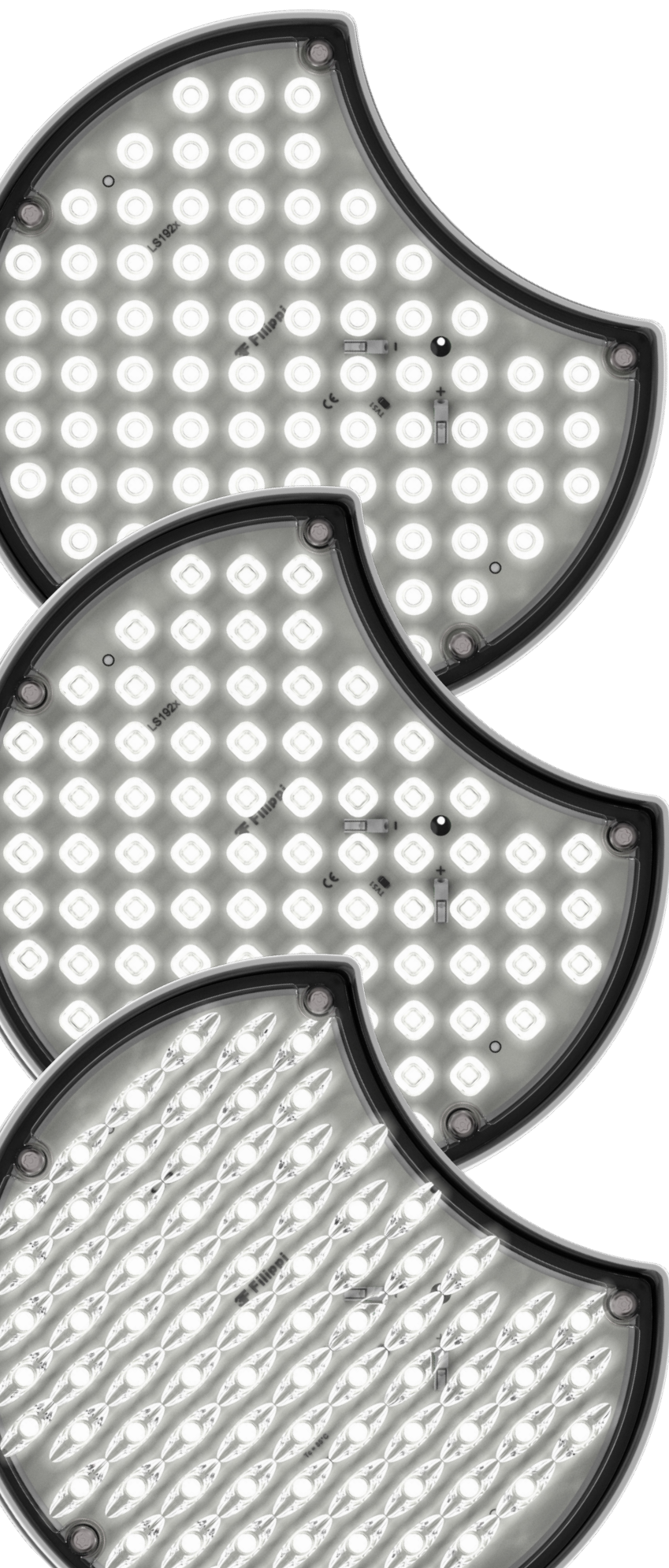
Each 3F Rio light fixture is designed to be securely attached to a stainless steel plate. This solution not only helps disperse the heat generated by the product but also helps insulate the electronics inside the fixture.

Additionally, each module operates autonomously, contributing to the fixture's circular geometry and distinctive light distribution.

The design thus ensures remarkable flexibility, rendering the product highly adaptable to a broad range of industrial settings, spanning from manufacturing to logistics.





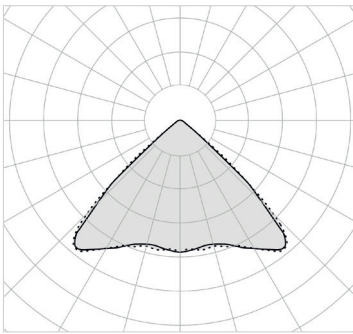


3F Rio  
**Wide**

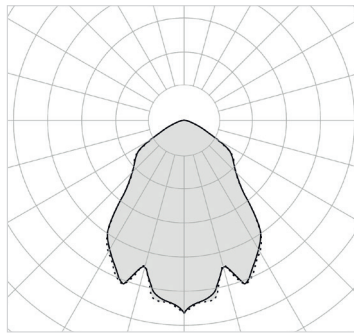
3F Rio  
**Medium**

3F Rio  
**Narrow**

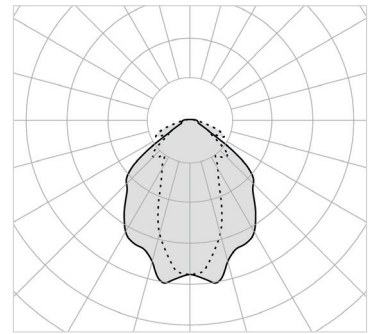
**Wide**



**Medium**



**Narrow**



## **CUSTOM** light distribution.

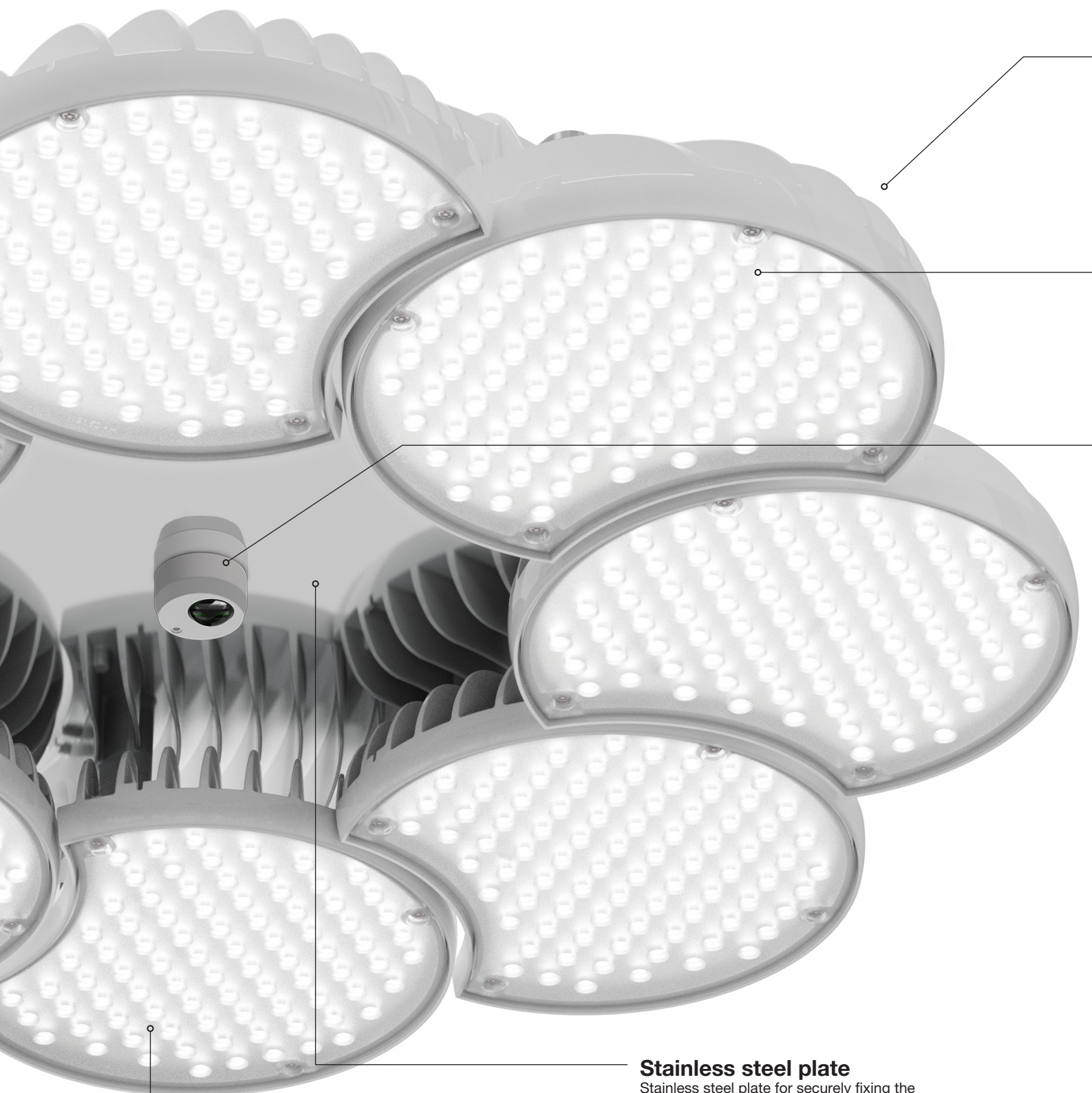
To ensure a product's optimal lighting performance, it is crucial to develop tailored, specialised solutions according to specific application requirements.

That's why our design team has developed various lens types, each designed to offer three distinct types of light distribution: Wide, Medium and Narrow (elliptical).

These distributions are available in both Circular (C) and Linear (L) versions and can be combined to create fully customised lighting solutions.

Through the integration of these optics, heat sink modules and high-performance light sources, our product achieves an efficiency of up to 200 lm/W, delivering luminous fluxes of up to 60,000lm, all while ensuring minimal glare with UGR < 22.





**Stainless steel plate**

Stainless steel plate for securely fixing the modules and separating the electronics.

**LED photobiological safety: RG0**

The LEDs used are classified as exempt from photobiological risk under class RG0.

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### **Heat sink modules**

3F Rio's modules are engineered to optimise heat dissipation, facilitating superior air flow and enhancing overall product performance.

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### **Custom lenticular optics**

Available with controlled Wide, Medium or Narrow emission (UGR < 22).

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### **Wireless IoT compatibility**

3F Rio seamlessly integrates with wireless and/or Bluetooth brightness and motion sensors, enabling integration with new and/or existing electrical systems.

## 3F Rio **STRUCTURAL DESIGN.**

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Drawing on our industrial expertise, 3F Rio is meticulously designed to deliver high performance and efficiency.

Its components create a versatile platform capable of excelling in every application, thanks to careful engineering. Below are the main components of 3F Rio:

# PRODUCT RANGE

Suspension



Ceiling



Busbar Light

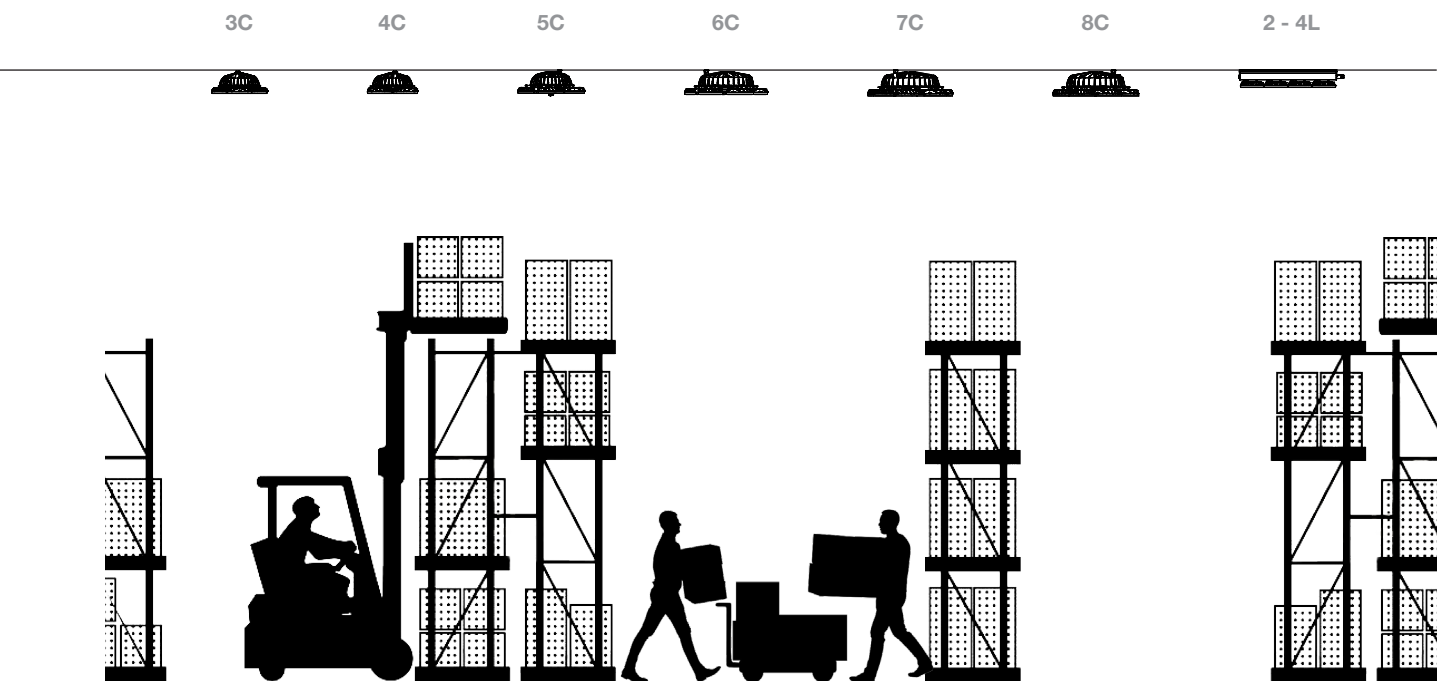


Range

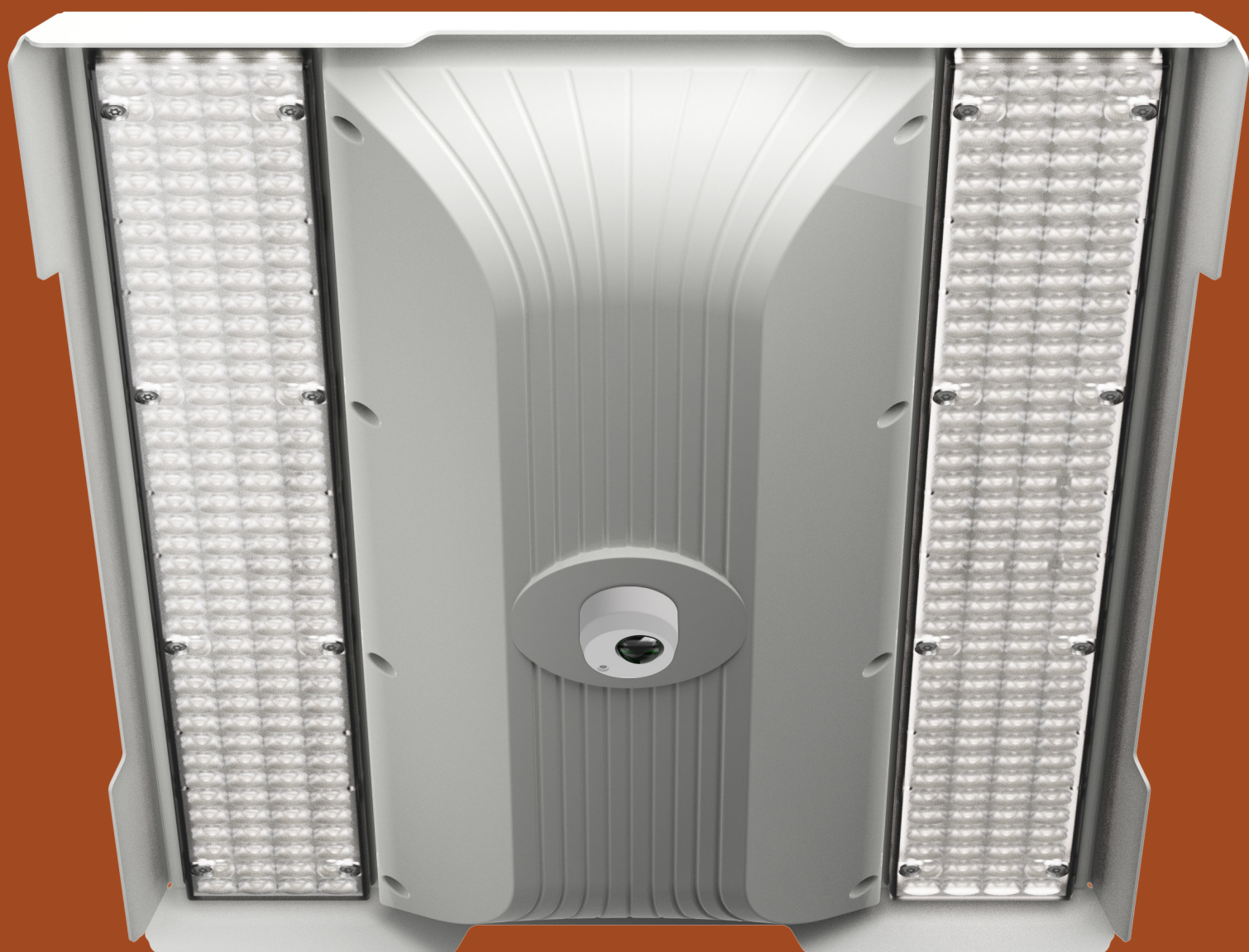
## 3F Rio

	W	lm	CCT	Wiring	Distribution	Modules	L	x	A	x	H
Rio	74 - 294	13050 - 60000	/840 /865	ON/OFF D2D	Wide Medium Narrow	2L	450	200	300		
						3L	640	200	300		
						4L	740	200	300		
						3C	502	502	172		
						4C	508	508	172		
						5C	549	549	172		
						6C	626	626	173		
						7C	610	610	173		
						8C	644	644	173		
Rio Sensor	74 - 294	13050 - 60000	/840 /865	D2D Wireless	Wide Medium Narrow	2L	450	200	300		
3L						640	200	300			
4L						740	200	300			
3C						502	502	172			
4C						508	508	172			
5C						549	549	172			
6C						626	626	173			
7C						610	610	173			
8C						644	644	173			





	W	Im	CCT	Wiring	Distribution	Modules	L x A x H		
Rio HT	41 - 152	7200 - 30100	/840	ON/OFF D2D	Wide Medium Narrow	2L	450	200	300
						3L	640	200	300
						4L	740	200	300
						3C	502	502	172
						4C	508	508	172
						5C	549	549	172
						6C	626	626	173
						7C	610	610	173
						8C	644	644	173



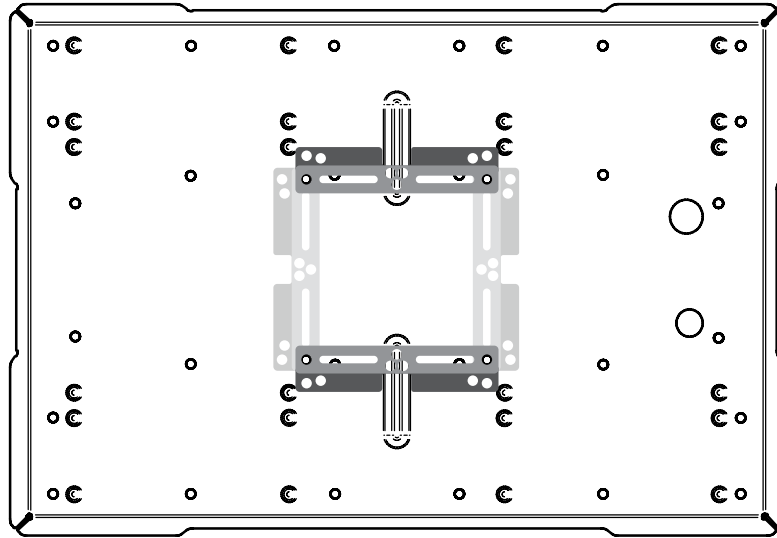
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**3F Rover:** the revolutionary industrial product characterised by exceptional strength and remarkable lightweight construction.

## Overview

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- Efficiency up to 175 lm/W.
- Fluxes up to 51,000lm.
- Pitches up to 1.58 x hu.
- UGR <22.
- Wide, Medium and Narrow distributions.
- Ta 45°C.
- Single (S) and Double (D) models.
- Service life (L80/B10): 100,000 h.
- Standard and Sensor versions.
- ON/OFF and DALI-2 DATA.
- IoT ready.
- Quick connection.
- Simplified maintenance.
- Dual-position mounting brackets.



Consistent pitch - 90° rotation

## STURDY yet SLEEK.

In the realm of industrial products, weight often poses a significant challenge.

These fixtures, installed at elevated heights, must ensure optimal lighting performance, which typically adds to their weight due to the need to dissipate the heat generated by the light sources.

One of the standout features of 3F Rover is its lightweight design. To uphold this characteristic without compromising performance, our

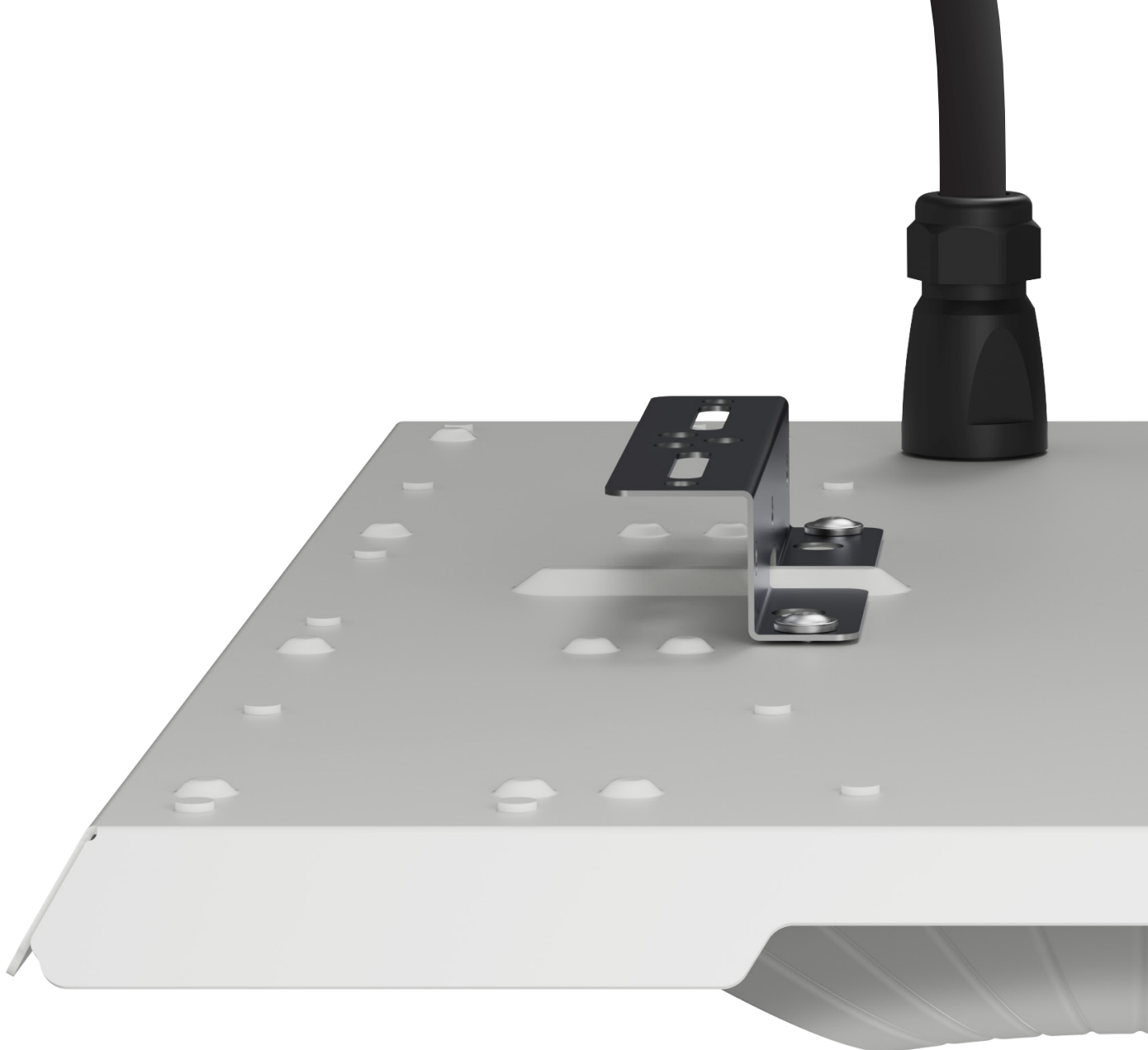
R&D team has developed a patented technology making it possible to preserve the product's mechanical heat dissipation capabilities, despite its slender 4.5 mm profile.

Moreover, its design separates the electronics, situated beneath the product, from the heat dissipation area, with the heat being directed upwards. This ensures a markedly longer service life compared to most similar products.

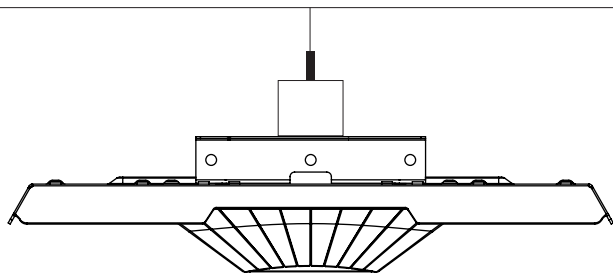
To minimise 3F Rover installation times, we have engineered a pair of standard stainless steel brackets suitable for either ceiling or suspended installation (with or without a chain), as well as busbar installation.

These brackets ensure fast and adaptable installation, allowing perpendicular or transverse attachment to the body of the fixture, granting users the flexibility to orient 3F Rover according to their specific needs or preferences.

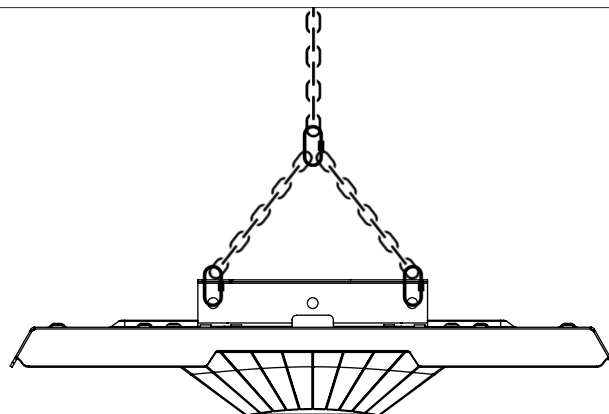
26



Scale 1:2  
mm



Busbar



Chain suspension

## So **RELIABLE** you forget it's there.

All our products are designed to last without requiring any maintenance. However, should the product ever need to be updated or inspected, 3F Rover also stands out for its user-friendly handling.

The electronics and IoT wireless connection systems are housed within a wiring compartment located under the product, ensuring the highest level of IP protection.

This enables installers to service the fixtures without needing to dismantle them. Simply remove the front protective cover with a screwdriver to access the internal components of the product directly.



3F Rover  
Chain suspension





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/ 3F Rover



## High-**PERFORMANCE** dualism.

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This industrial product stands out for its exceptional versatility and superior performance, thanks to its cutting-edge design.

3F Rover is the perfect choice for illuminating large warehouses and logistics areas requiring the integration of advanced management and connectivity (IoT) systems.





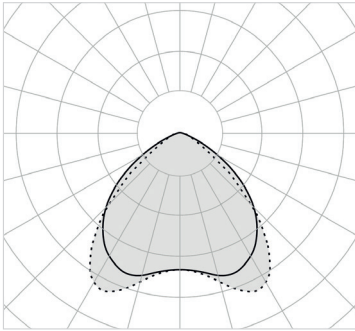
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3F Rover is also available in a Double (D) version for increased light output, while maintaining the distinctive features and benefits of the Single (S) version of 3F Rover.

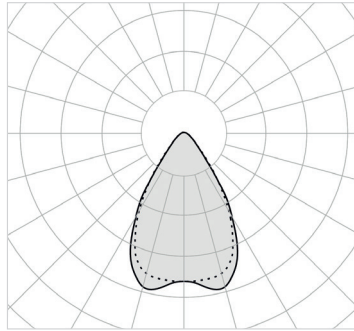
This variant can similarly be equipped with IoT sensor technology, seamlessly integrated into one of the two light fixtures housed in the centre of the wiring compartment.



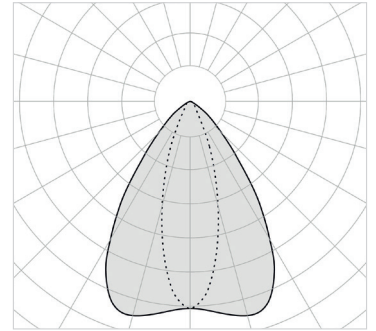
3F Rover  
**Wide**



3F Rover  
**Medium**



3F Rover  
**Narrow**

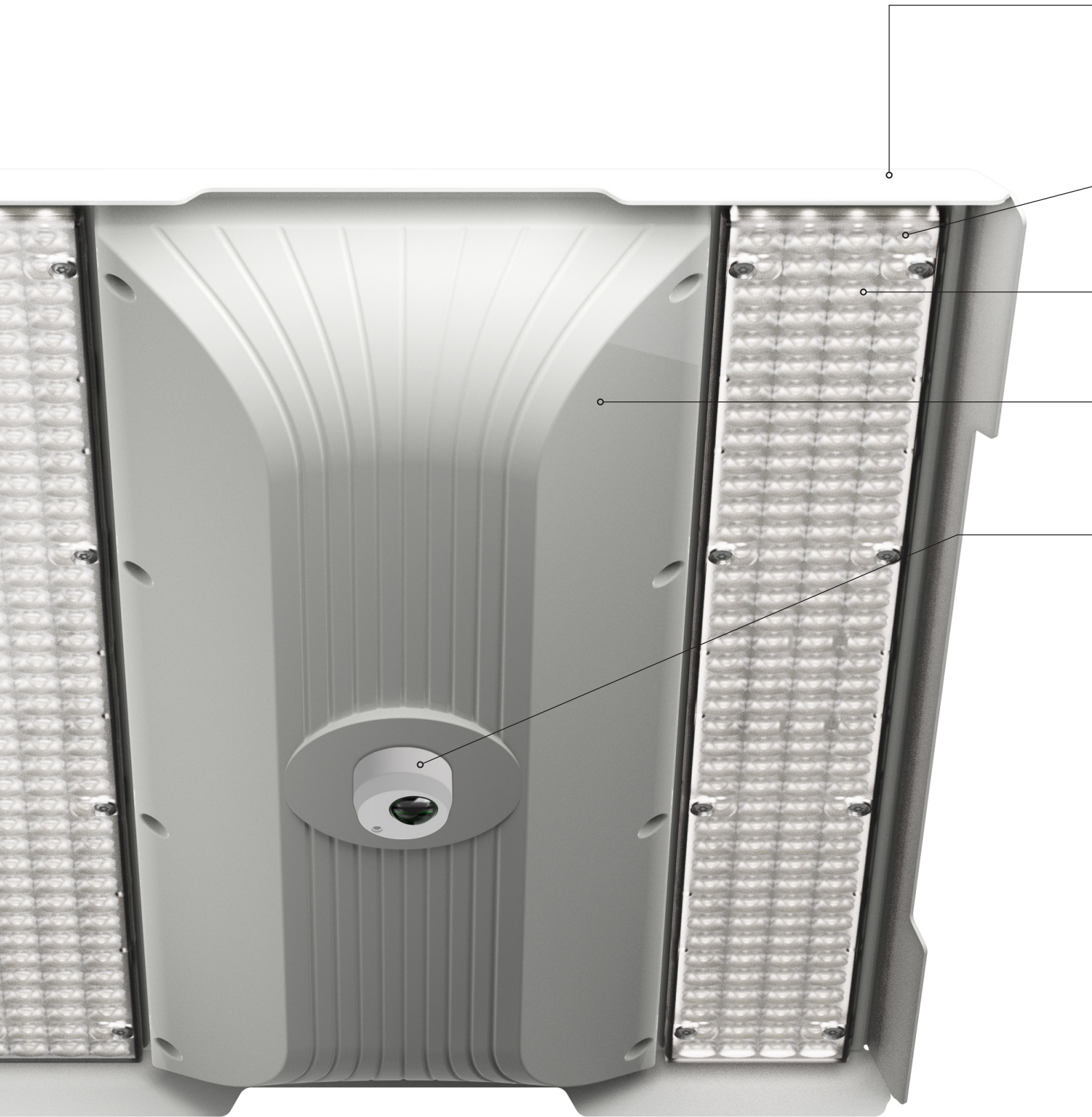


## **CUSTOM** light distribution.

3F Rover is designed to adapt to any environment. Hence, our lenticular optics have been engineered to ensure different types of light distribution depending on the context of use.

The product is available with controlled Wide, Medium and Narrow emission, in both product versions (Single or Double), reaching an impressive efficiency of up to 175 lm/W and fluxes of up to 51,000 lm, ensuring a UGR value of <22.





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### **Efficient heat dissipation**

The 3F Rover fixture is designed to dissipate heat with remarkable efficiency, while at the same time maintain its compact dimensions.

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### **3F Lens lenticular optics**

Available with controlled Wide, Medium or Narrow emission (UGR < 22).

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### **LED photobiological safety: RG0**

The LEDs used are classified as exempt from photobiological risk under class RG0.

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### **Electronic wiring enclosure**

Bottom wiring enclosure to facilitate non-routine maintenance without dismantling the product.

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### **Brightness/motion sensors**

3F Rover seamlessly integrates with wireless and/or Bluetooth brightness and motion sensors, enabling integration with new and/or existing electrical systems.

## 3F Rover **STRUCTURAL DESIGN.**

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Drawing on our industrial expertise, 3F Rover is meticulously designed to deliver high technology and efficiency.

Its components form a versatile product capable of excelling in its field of use, thanks to careful engineering.  
Below are the main components of 3F Rover:

# PRODUCT RANGE

Suspension



Ceiling



Busbar Light

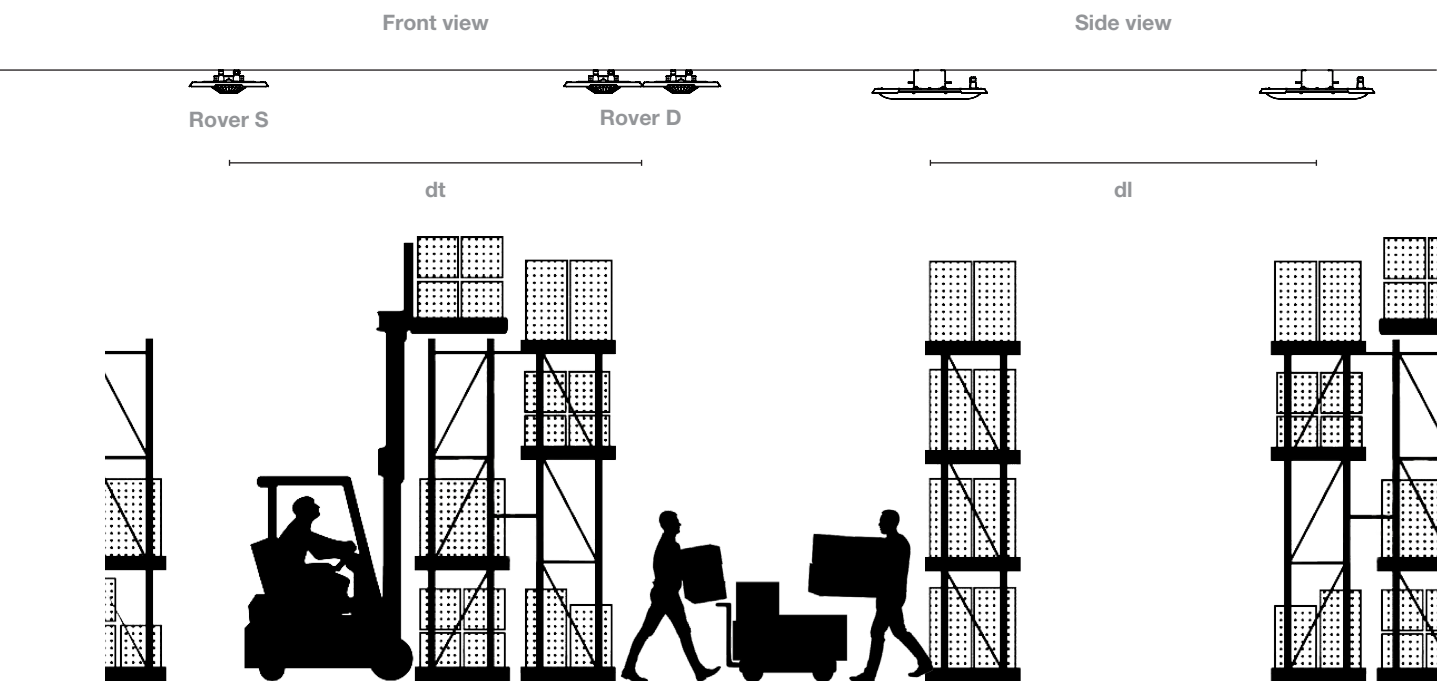


Range

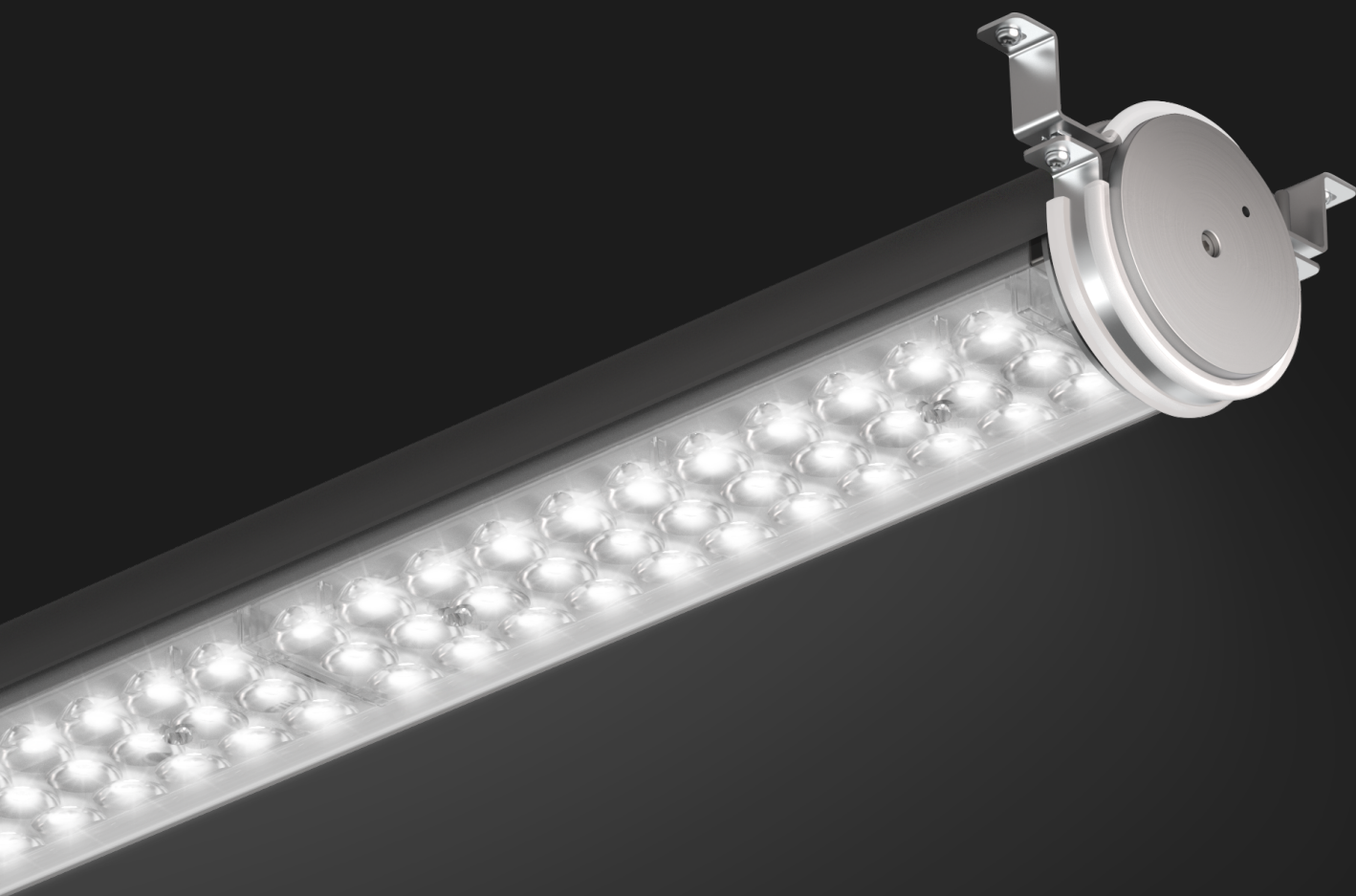
## 3F Rover

	W	Im	CCT	Wiring	Distribution	Dt	DI	L	x	A	x	H
Rover	104 - 304	18180 - 51000	/840 /865	ON/OFF D2D	Wide Medium Narrow	1,45 1,06 1,16	1,58 1,02 0,52	600		400 800		100





	W	Im	CCT	Wiring	Distribution	Dt	DI	L	x	A	x	H
Rover Sensor	104 - 304	18180 - 51000	/840 /865	D2D Wireless	Wide Medium Narrow	1,45 1,06 1,16	1,58 1,02 0,52	600	400	100	800	



# / 3<sup>F</sup> Tank

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**3F Tank:** the light fixture that excels in delivering maximum safety while providing quality light in high-risk work environments.

## Overview

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- Efficacy up to 158 lm/W.
- Fluxes up to 11,000lm.
- Rock and Ice Extreme versions.
- Rock version suitable for ATEX II 3G and 3D (areas with gas and dust), ENEC certified.
- UGR <19.
- Lite, Wide, Medium, Narrow and UGR distributions.
- Service life (L80/B10): 100,000 h.
- Protection rating IP69k (IP66 ATEX).
- ON/OFF and DALI.
- Suspended, ceiling, busbar and wall installation.

## MANY CONTEXTS. One product.

3F Tank in its Rock version meets the stringent requirements of the two EU ATEX directives governing devices designed for use in environments with explosive atmospheres, guaranteeing the safety of personnel who operate in these critical conditions. ATEX stands for “ATmosphere EXplosive”.

These pages highlight the application areas where 3F Tank Rock stands out, showcasing its outstanding technical specifications (compliant with **zones 2 and 22, according to ENEC certification**).

### GAS (G)



#### Zone 0

An area in which an explosive atmosphere due to the presence of gas is present continuously or for long periods of time or frequently.

#### Zone 1

An area in which an explosive atmosphere due to the presence of gas is likely to occur occasionally in normal operation.

### Zone 2

An area in which an explosive atmosphere due to the presence of gas is not likely to occur in normal operation but, if it does occur, will persist for a short period only.

### DUST (D)



#### Zone 20

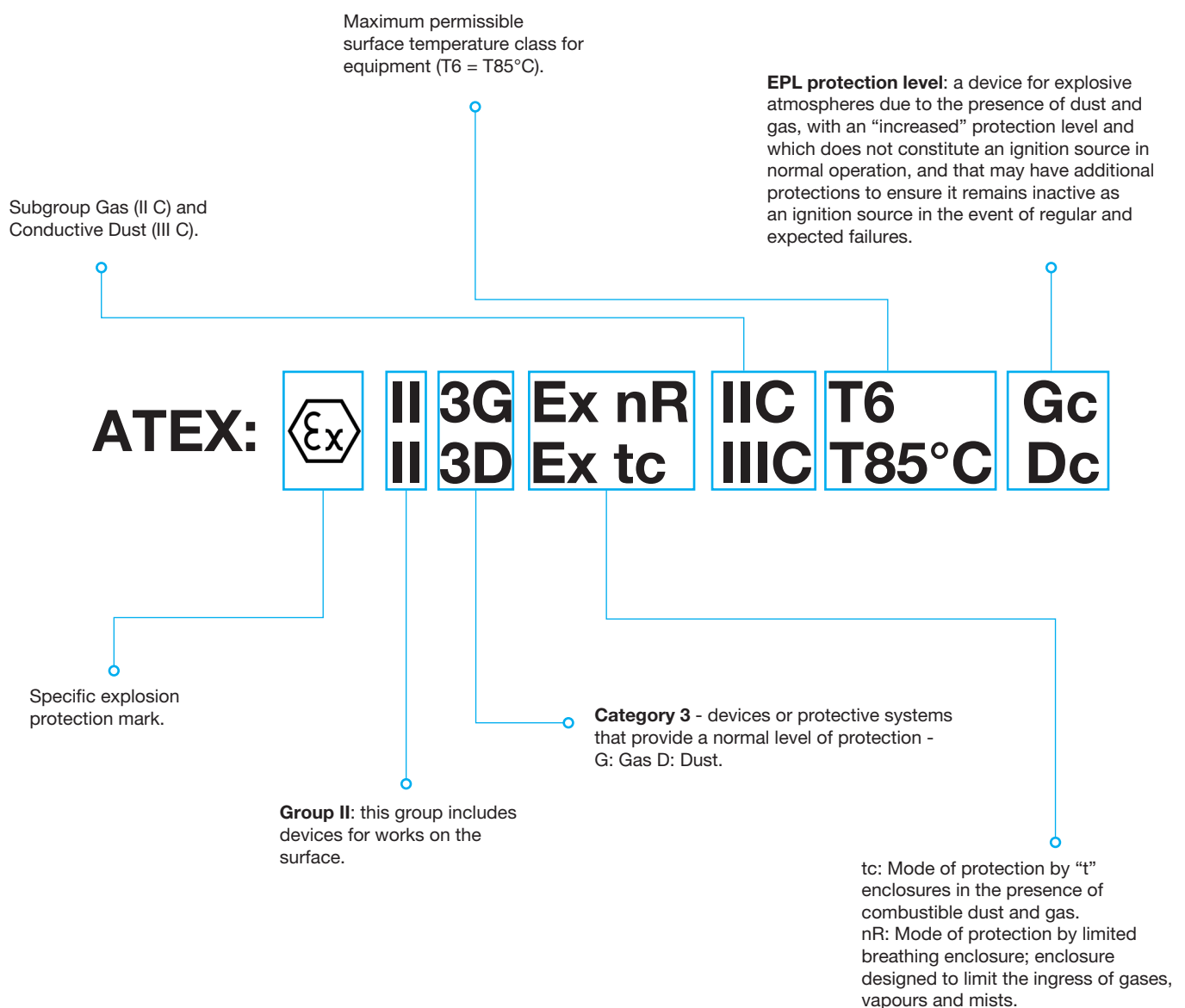
An area in which an explosive atmosphere due to the presence of dust, in the form of a cloud of combustible dust in air, is present continuously or for long periods of time or frequently.

#### Zone 21

An area in which an explosive atmosphere due to the presence of dust, in the form of a cloud of combustible dust in air, is likely to occur occasionally in normal operation.

### Zone 22

An area in which an explosive atmosphere due to the presence of dust, in the form of a cloud of combustible dust in air, is not likely to occur in normal operation but, if it does occur, will persist for a short period only.



## In short: **PERFECT.**

To achieve exceptional performance, meticulous attention to every detail is paramount.

3F Tank is meticulously engineered to minimise the number of components used, ensuring the highest quality and performance of each, all encapsulated within a sleek geometric shape: a cylinder.

Made from co-extruded polycarbonate, the body of the light fixture seamlessly integrates an opal section with a highly transparent part, housing the technological core composed of a high-performance driver and state-of-the-art LED boards.

This system is hermetically sealed by two die-cast 6082-T6 aluminium end caps, fitted with gaskets to ensure an impeccable seal.

Every aspect has been meticulously addressed: the stainless steel installation screws and brackets prevent oxidation and wear over time.

3F Tank is more than merely a lighting product: it embodies the epitome of perfect functionality and minimalist design, a testament to our unwavering commitment to excellence in every facet.



**Ice Extreme** version for temperatures from -30°C up to +40°C with a relative humidity of up to 95%.



**Rock** version for use in ATEX explosive atmosphere environments (Gas and Dust).



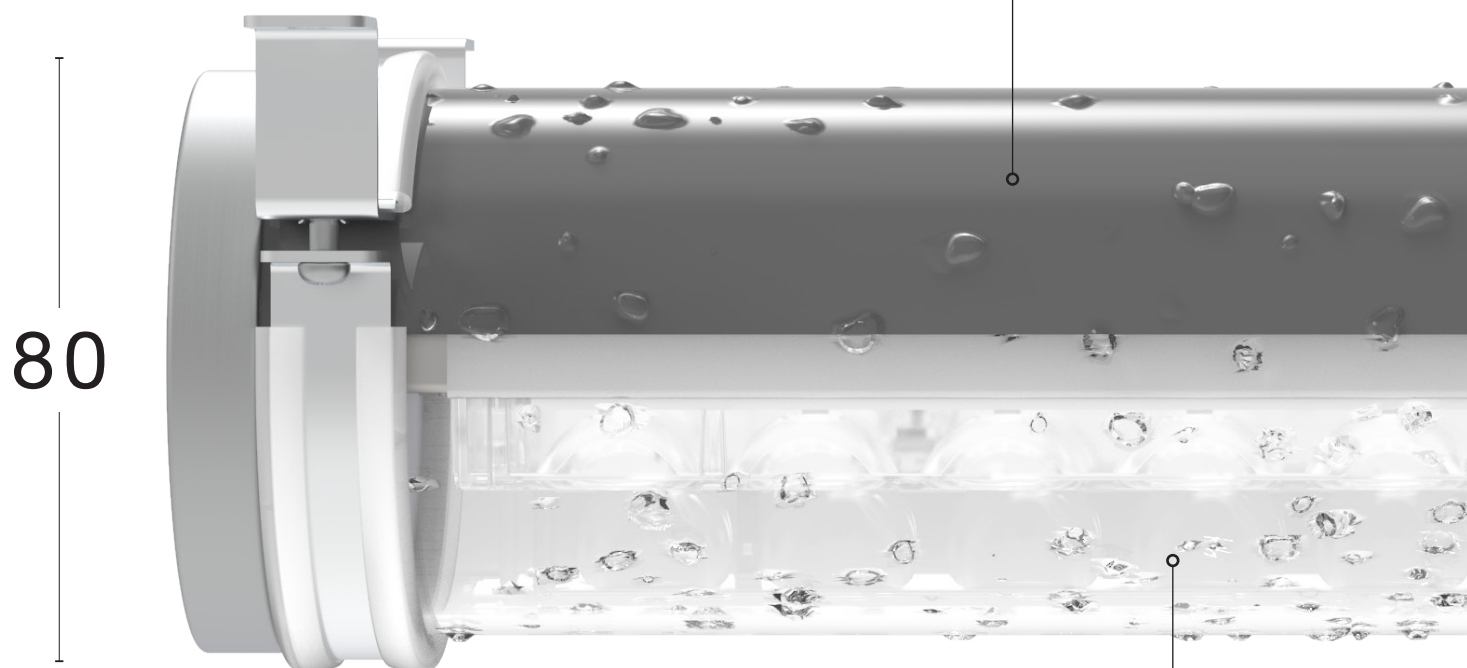
**On request:** suitable for outdoor installation, UV-resistant.



Compliant with food industry standards, including HACCP, IFS, BRC Standard.

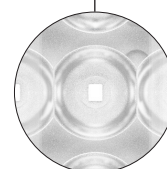


**Tubular polycarbonate body**  
with high transparency, UV-resistant with GI-CHEM  
surface treatment

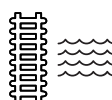


80

**Wide choice of optics**  
with controlled and diffuse distributions



Resistant to aggressive  
chemicals (HS finish).



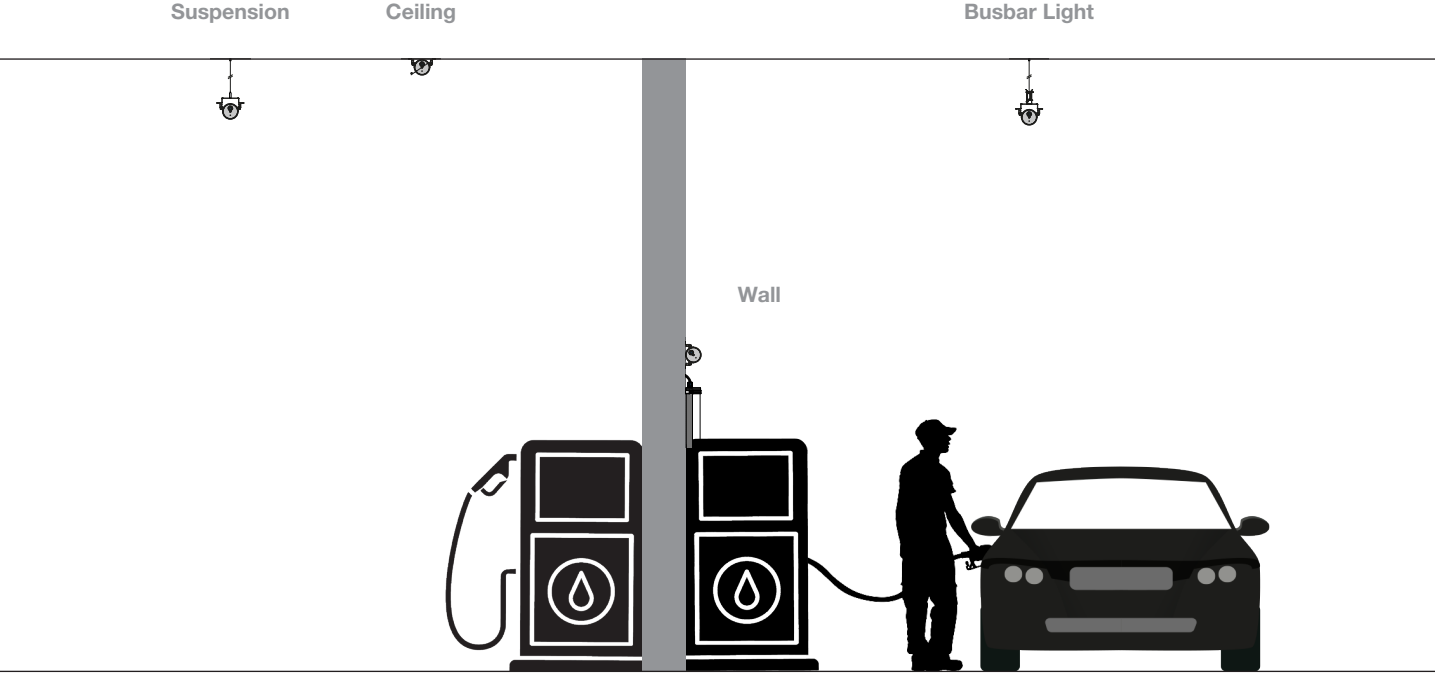
Resistant in marine  
environments and railway  
structures.



Protection rating IP69K,  
resistant to high pressure  
and/or steam.

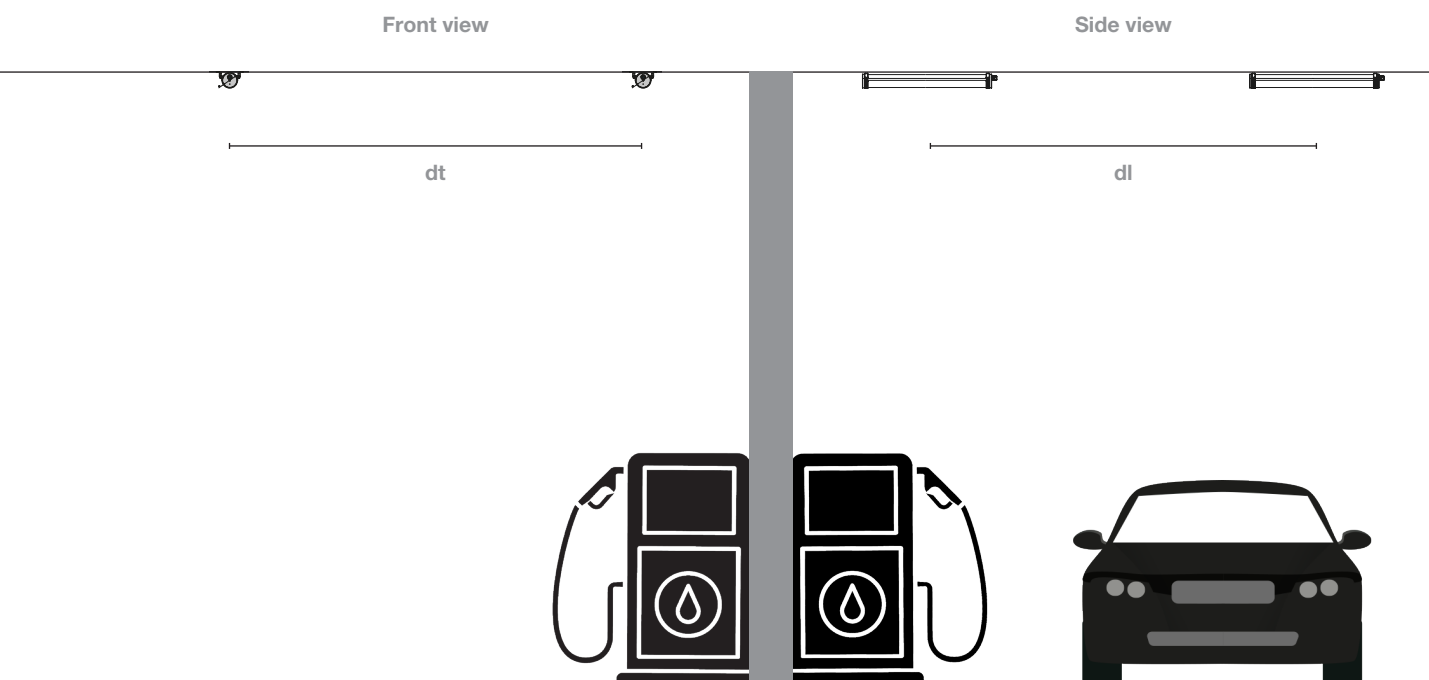
Scale 1:1  
mm

# PRODUCT RANGE



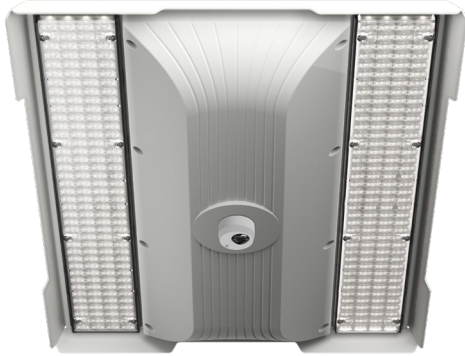
## Range **3F Tank**

	W	lm	CCT	Wiring	Distribution	Dt	DI	L	x	Ø
Tank										
<b>Rock</b>	<b>14,5 - 74</b>	<b>1850 - 11000</b>	<b>/840 /865</b>	<b>ON/OFF DALI</b>	<b>Lite Wide Medium UGR Narrow</b>	<b>1,29 1,16 1,20 1,47 0,57</b>	<b>1,22 1,18 1,19 1,36 1,14</b>	<b>676 1264 1558 1852</b>		<b>80</b>



	W	Im	CCT	Wiring	Distribution	Dt	DI	L	x	Ø
Tank										
<b>ICE Extreme</b>	<b>49 - 72</b>	<b>7040 - 11000</b>	<b>/840</b>	<b>ON/OFF</b>	<b>Wide</b>	<b>1,16</b>	<b>1,18</b>	<b>1264</b>		<b>80</b>
					<b>Medium</b>	<b>1,20</b>	<b>1,19</b>	<b>1558</b>		
					<b>UGR</b>	<b>1,47</b>	<b>1,36</b>	<b>1852</b>		
					<b>Narrow</b>	<b>0,57</b>	<b>1,14</b>			

# / 3F Wireless



Controller wireless Mesh  
Network 2.4 GHz Bluetooth  
LE/Zigbee compatible.



Multisensor Wireless Mesh  
Network 2.4 GHz Bluetooth  
LE/Zigbee compatible.

## Wireless **LIGHTING SYSTEMS.**

3F Filippi light fixtures with Wireless technology are equipped with **Wireless Mesh Network 2.4 GHz devices, featuring dual Bluetooth LE/Zigbee 3.0** technology, allowing the simultaneous connection of mobile devices via Bluetooth LE and the interconnection of system nodes using the Zigbee 3.0 protocol. The light fixtures are thus seamlessly integrated with the entire ecosystem of compatible products, including home assistants and other home and building automation devices.

Every device in the Zigbee 3.0 network receives, regenerates and forwards signals on to the next nodes, thus creating a wireless **Mesh Network**.

### **BENEFITS**

3F Wireless technology is particularly suited for retrofitting existing installations lacking a control system.

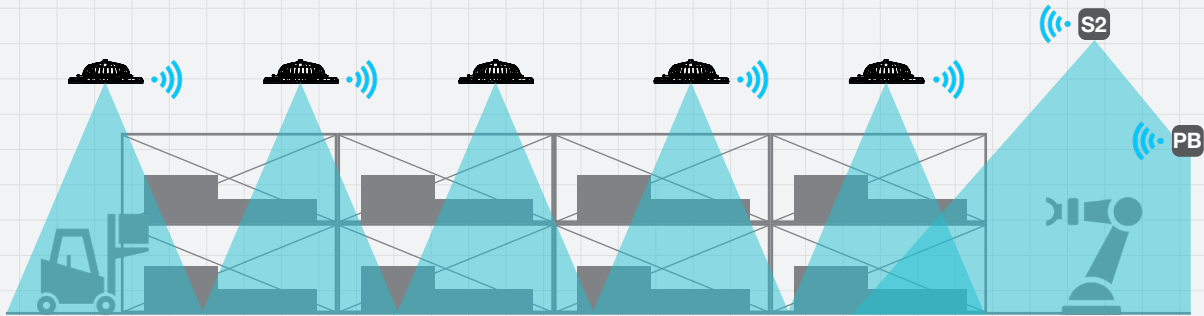
- **IoT Ready:** devices (sensors or nodes) integrated into the light fixtures allow the development of smart systems without the need for modifications to the existing electrical installation (for example, adding the DALI backbone).
- **Mesh Network:** communication between 3F Wireless system devices occurs via radio frequency signals with Mesh Network technology (very robust and encrypted), enabling the development of extensive systems that overcome the "limits" of wired DALI systems.
- **Energy saving:** up to 80% thanks to the automation system.
- **Plug&play:** configurable via App by non-specialist personnel, significantly reducing commissioning time and costs.
- **Consumption monitoring:** MID-certified energy consumption measurement.
- **Emergency:** centralised emergency system diagnostics.
- **Flexibility:** the system caters to both simple and complex projects.
- **Cloud Lighting:** light fixture management within a local network or via the cloud.

## Stand-Alone Systems

The light fixtures, sensors and control modules, whether wired or wirelessly connected, can be configured via an App or other simple, intuitive applications without the need for specialised technicians. Once the setup is complete, the various components of the system operate independently without interacting with each other. This architecture optimises the implementation and configuration costs of the system.

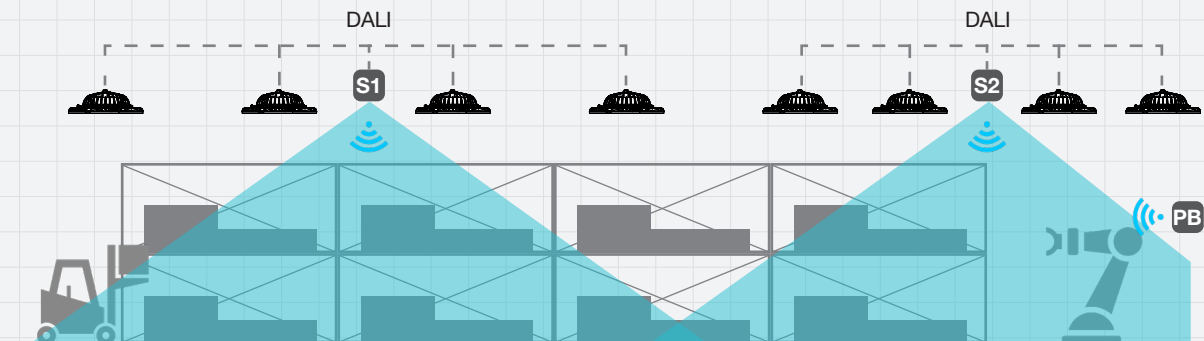
### Fully WIRELESS system

Each light fixture can be equipped with a presence and brightness sensor, ensuring complete and total flexibility. During the commissioning stage, automations (groups, scenes, etc.) and operating logics can be defined for each sensor via the Light360 app, for example: presence and brightness, brightness only, transmission node only, etc. The system can be further integrated by adding stand-alone sensors (S2) or manual push-buttons via the push-button interface (PB).



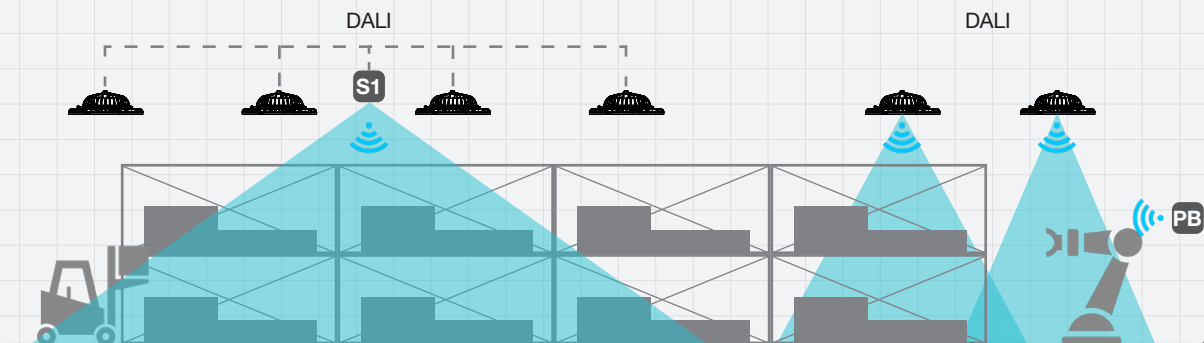
### HYBRID system (Wireless/wired)

Costs can be optimised by implementing hybrid (Wireless/wired) systems. The presence and brightness sensors installed in the room can control a more or less extensive group of light fixtures via cable, up to a maximum of 32 drivers. During commissioning, the group operating logics can be defined via the Light360 app. The system can be further integrated by adding stand-alone sensors (S1/S2) or manual push-buttons via the push-button interface (PB).



### MIXED system

The fully Wireless and hybrid system can co-exist in the same installation/zone, maximising functionality and leveraging the benefits of each one.





The information in this brochure is indicative and we invite you to visit our website [www.3f-filippi.com](http://www.3f-filippi.com) or contact our Sales Network to check for updates.

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[www.3f-filippi.com](http://www.3f-filippi.com)



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