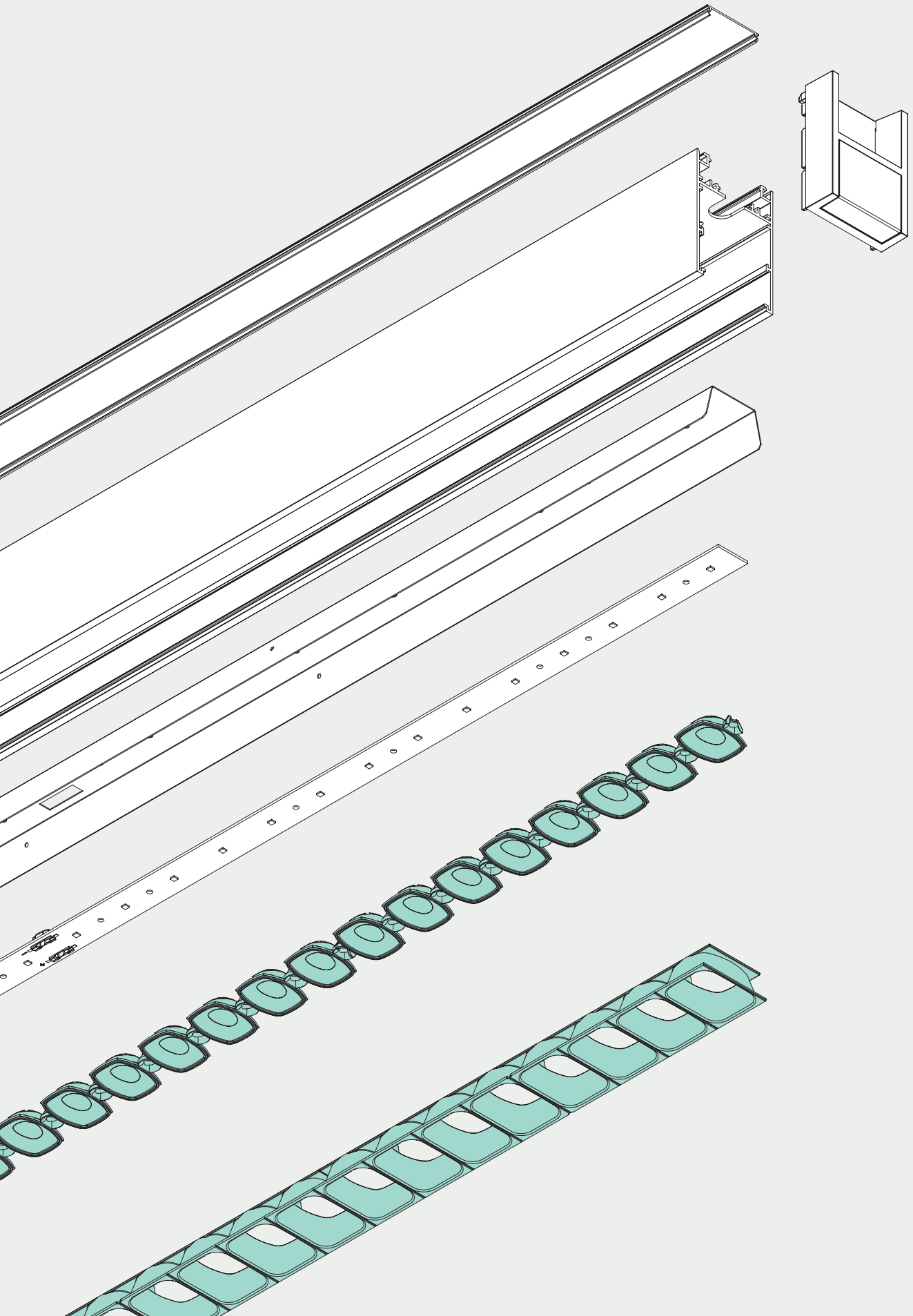
3F HD

High definition Light

3F Filippi



Index

3F HD

3F HD was born from the desire to innovate the lighting of office spaces with a minimal, contemporary and highly technical linear system.

A true necessity, given the growing demand for solutions aimed at energy saving, visual comfort and the current LEED certification, especially in environments with the presence of video terminals.

Thanks to our consolidated expertise, we took up the challenge of designing an ideal lighting fixture for contemporary work spaces, in terms of performance and flexibility offered to the designer.

/**SCREENS** and finishes

3F HD: (H)**HIGH** (D)**DEFINITION.**

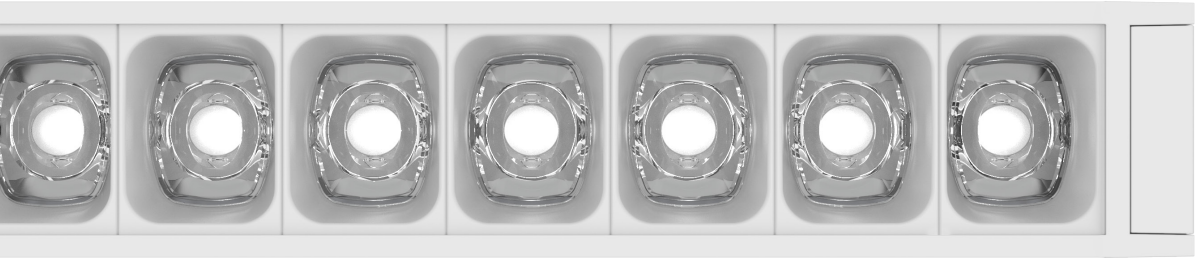
3F HD is made up of a linear aluminum profile with an H section and is offered with different photometric distributions, obtained with opal and prismatic screens.

The system can be equipped with two different flat unrollable PMMA diffusers, a prismatic luminous screen specially made for 3F Filippi and a series of OC (Optics Control) optics, depending on the intended use of the rooms.

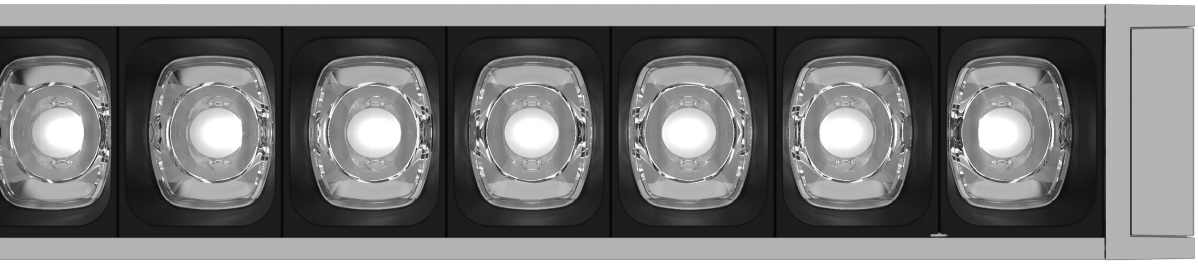
Available in various widths, it offers direct light emission or direct/indirect one.

Allen&Overy
Milan, Italy

3F HD FDP - Channel
4000K
CRI>80
IP40

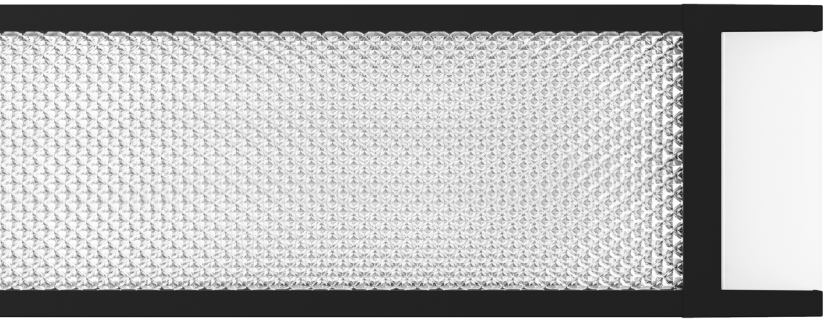


3F HD OCW
White colour

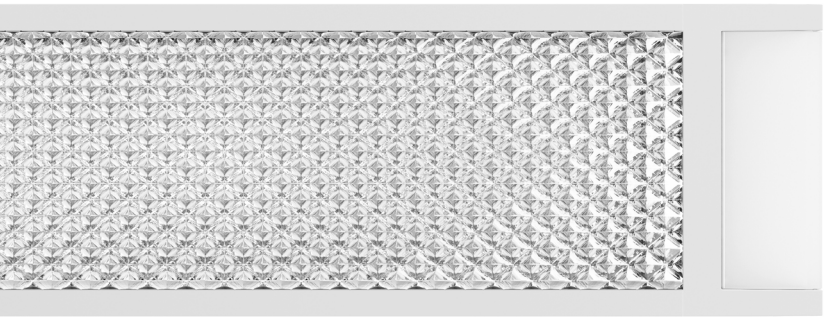


3F HD OCB
Aluminum colour

3F HD FDO
Black colour



3F HD FDP
Black colour



3F HD GSP
White colour

Room for **LIGHT**...

FDO screen
The opal screen is indicated for areas where no visual engagement is required.
This is why it finds application in waiting rooms and transit areas.

FDP screen
This special micro-prismatic screen is designed and studied for office areas.
For this reason it is used in areas where greater visual comfort on worktops is required.

GSP screen
Also this screen, developed and designed entirely by our R&D department, is designed and studied for work areas.
It finds application in areas where greater visual comfort is required with reduced luminance values.

OC optics
The luminaire is also available in a LEED compliant version, equipped with OC optics, an innovative and unique technical solution on the market, for controlling luminance in work environments in accordance with LEED specifications.

... and **SHADOWS.**

3F HD is a product created with two different types of **end caps**.

While the OC (Optic Control - OCB and OCW) have blind caps, given that lighting and lighting distribution control are managed completely by the cells, those with screens use lighted end caps that perform the following functions:

- Aesthetic
- Functional
- Lighting

Scale 1:1
mm


80
57
100

/product ADVANTAGES

GAB Tamagnini
Reggio Emilia, Italy

3F HD Direct/Indirect
4000K
CRI>80
IP40

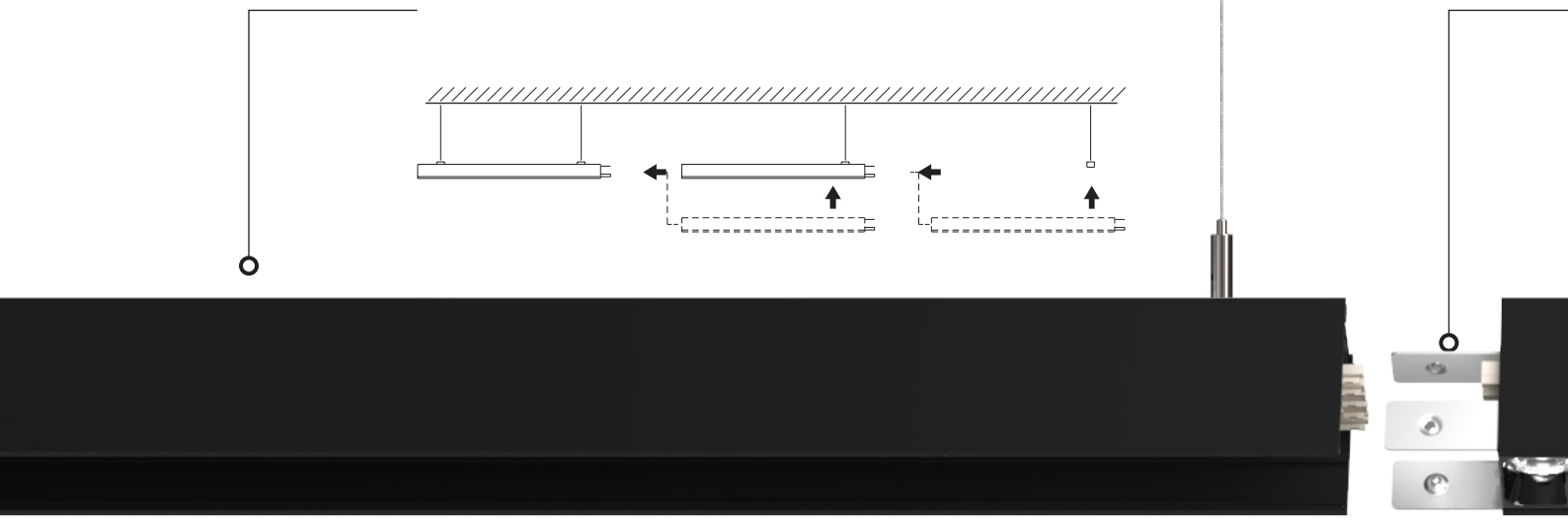
Luminous **COMFORT.**

With 3F HD everything you want is at your fingertips.

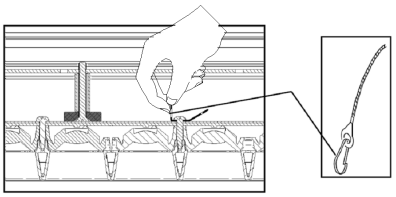
The GSP (Glare Screen Prismatic) prismatic screen allows 3F HD to reduce the progressive luminance.

The use of OC optics, on the other hand, fully satisfies and complies with the luminance limits established by LEED certification for angles greater than 45° (<2500 cd/m²) and those greater than 65° (<200 cd/m² for the OCB).

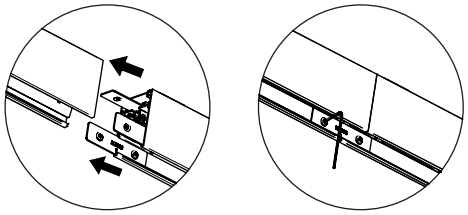
Step 1:
Install the structures by connecting them using the joining elements (pre-assembled) and connect the power lines.



Step 3:
Insert the light element on the structure by making the two magnets of the optics coincide with those of the body.



Step 2:
Connect the Fast Wiring plug by aligning the guides, sliding them into the body and tightening them with an Allen key.



To infinity. And **BEYOND.**

In the duct versions, the FastWiring system drastically reduces installation time.

A plug and a socket are respectively mounted at the beginning and at the end of each bar: just push them together and the connection takes place automatically.

From a mechanical point of view, the connection is ensured thanks to the joining elements (already pre-assembled) inside the second body and the fixing of the safety screws. Thanks to the innovative Optic Control optics, the DT (transversal installation pitch, i.e. the installation distance between the luminaires) offered by 3F HD OCB is up to 50% higher than the average of similar products offered by the major brands on the market .

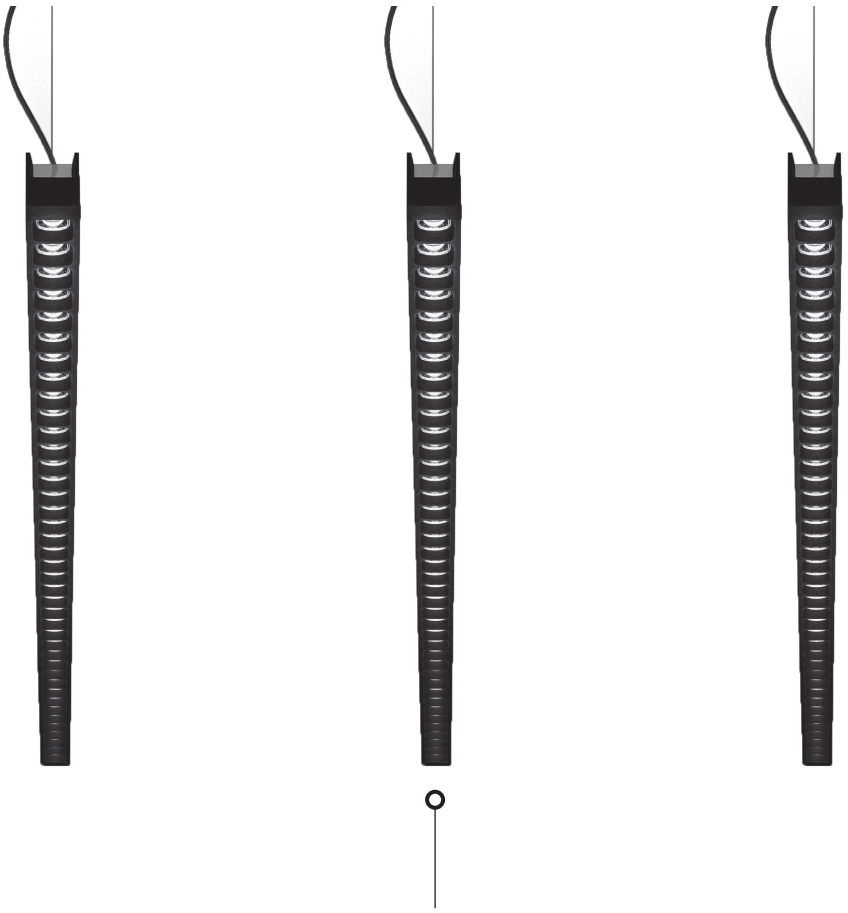
The performance is obtained by maintaining the 500 lux and guaranteeing, thanks to the direct emission alone, a complete homogeneity of the luminous flux on the work surface.

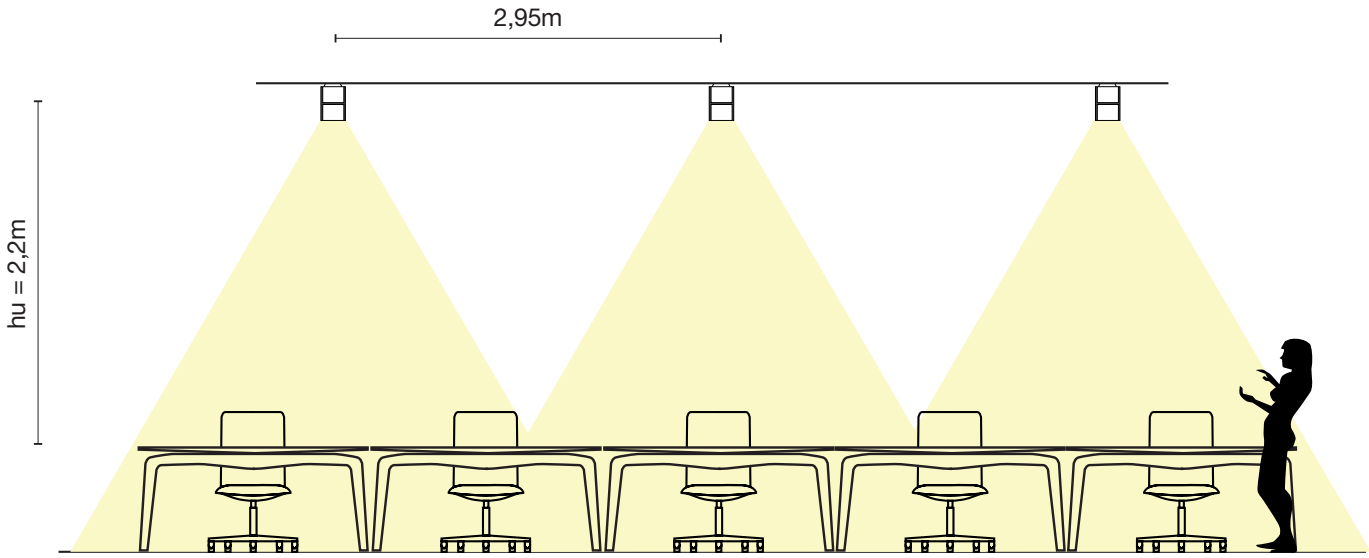
The **BEST**. Here. Now.

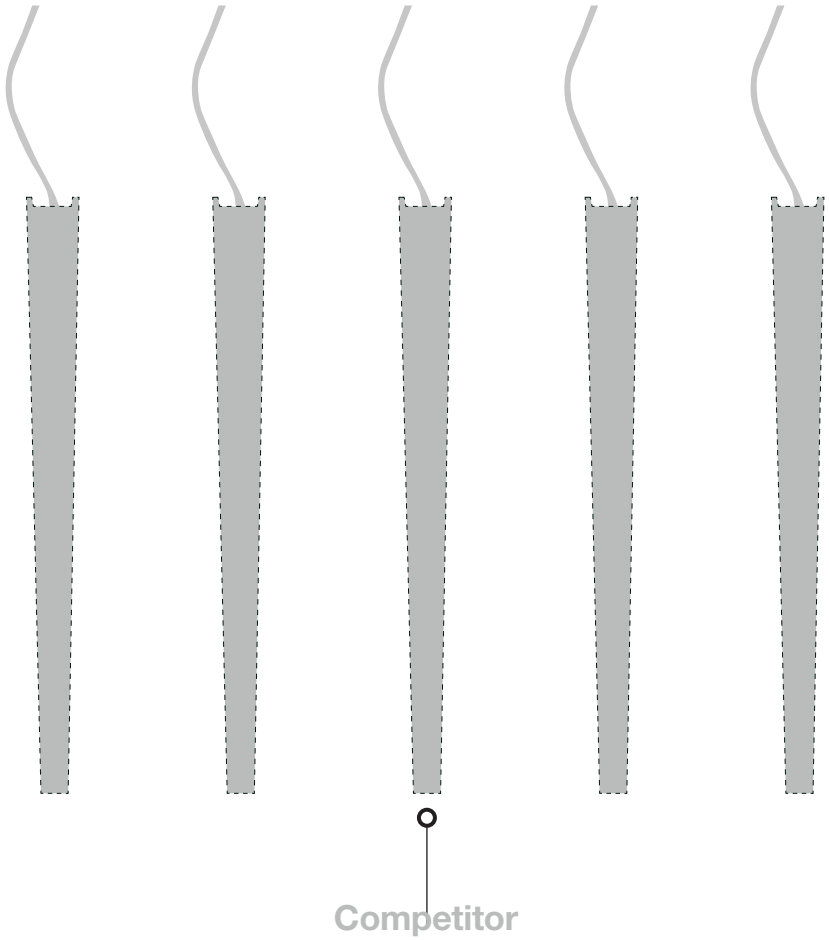
The new optics of the OC (Optic Control) family were created with the intention of obtaining the best lighting performance in terms of low luminance and light projection in space: the flexibility of arrangement of the furnishings becomes a priority in the design of environments.

For this reason, the first step was to accept an ambitious challenge: to create a optic capable of satisfying the stringent LEED certifications with a product that had very large installation distances.


PTN1_of601_1000
HSS201809_1000


3F HD


2,95m
hu = 2,2m



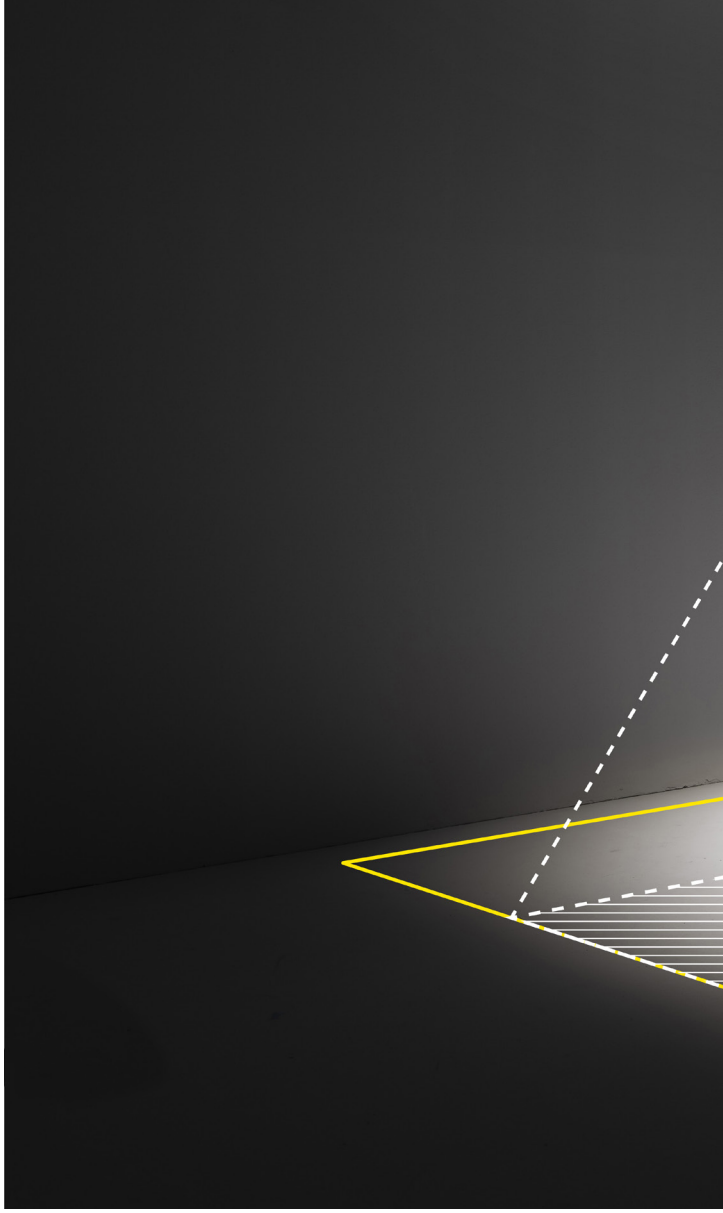
MORE LIGHT. Less products.

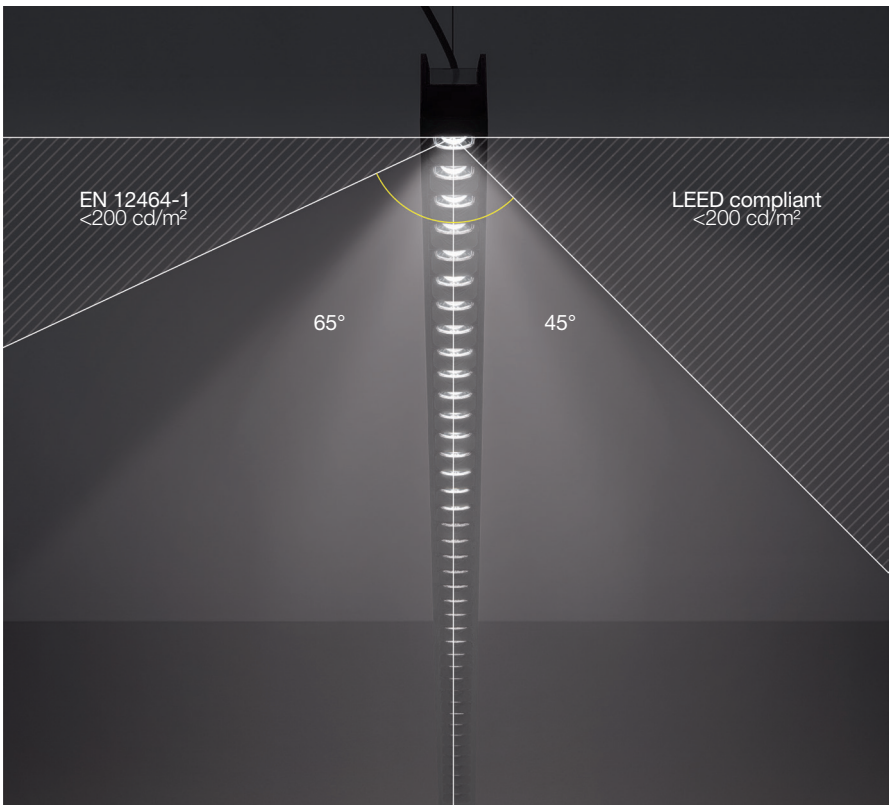
OC optics
This special optic, available in OCW and OCB versions, is designed to fully meet the safety limits set by the LEED certification.

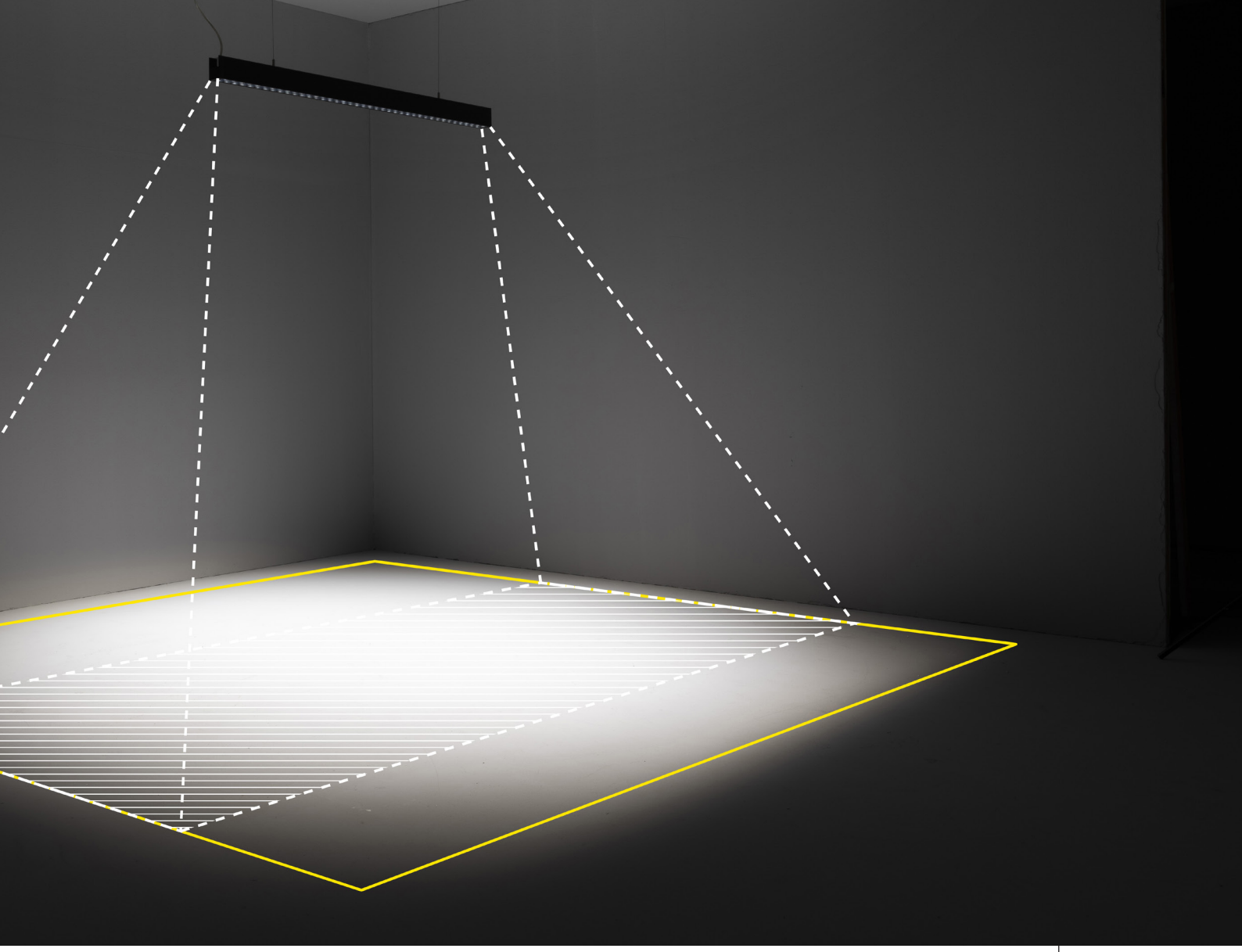
The optics give its best for angles greater than 45 ° and for those greater than 65 °, making the product appear to be off from the right point of view.

This unique feature of 3F HD makes it an extremely competitive product, as by installing it in a work environment, the effectiveness of three 3F HDs is equal to that of five similar competing products.

/product **advantages**







An **AMBITIOUS** challenge.

The solutions previously available on the market were too limited in their range and required the installation of a large number of fixtures to achieve the required performance in compliance with current legislation.

3F HD is the ideal technical solution to meet the requirements of the most stringent environmental certifications and current legislation.

The 3F Filippi system is LEED compliant with a luminance of less than 2500 cd/m² for corners of more than 45°.

The performance of 3F HD meets the requirements of the European standard EN 12464-1: if the maximum luminance required at 65° must be between 3000 cd/m² and 1500 cd/m², the performance of the luminaire at the same angle is less than 200 cd/m² with a UGR value <16.

DT=up to 1,50 x hu
DT competitors= 1 x hu

/3F HD R

High **QUALITY** and **VERSATILITY.**

3F HD is also available in a recessed version with all its distinctive features.

3F HD R is available with different photometric distributions obtained with opal and prismatic louvres.

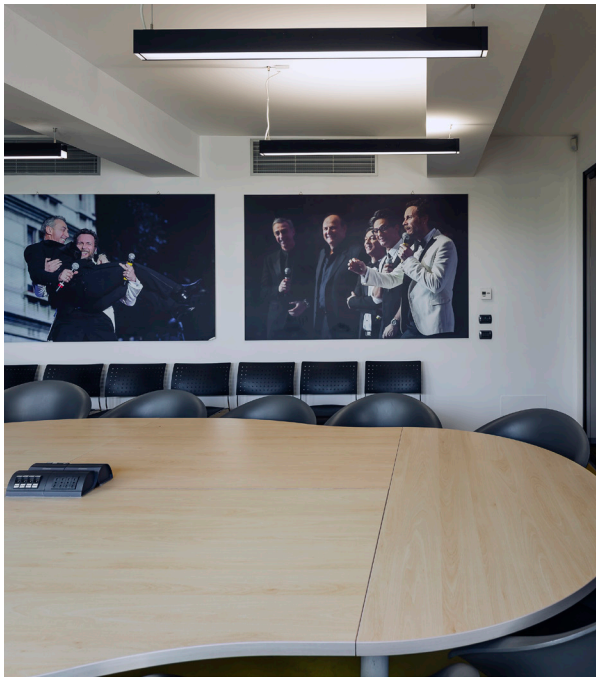
The luminaire is also available in a LEED compliant version equipped with an OCB optic, a unique solution with innovative technology forto control luminance in the workplace in accordance with LEED specifications.

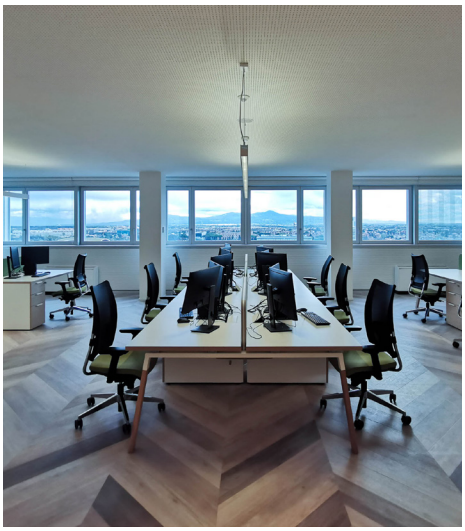
3F HD R consists of a linear aluminium profile with an H-section. can be easily installed in continuous rows with a significant reduction in installation time thanks to the presence of concealed joints and and standard mounted sockets.

Fondazione Agnelli
Turin, Italy

3F HD R FDP - Single
3000K
CRI>80
IP40


Radio DEEJAY
one nation one station

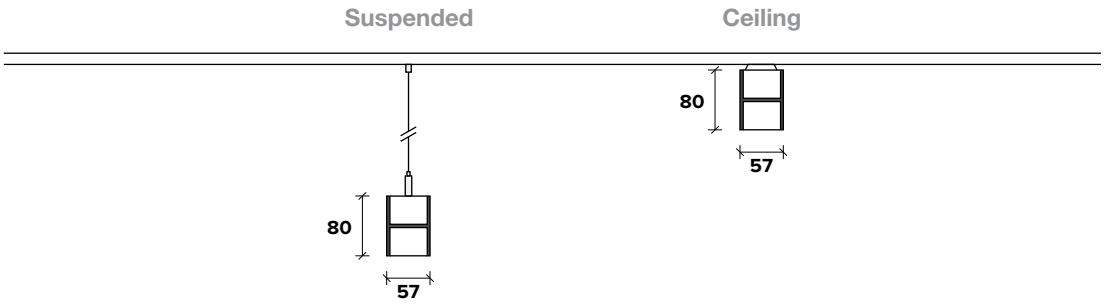




Our **CASE HISTORY.**

3F HD 50

Single/Channel

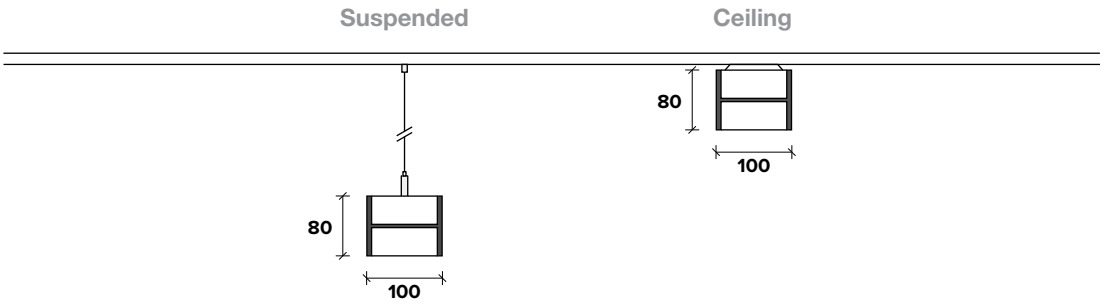


3F HD
Direct Emission

		FDO	FDP	GSP	OCB	OCW
Average luminance for angles> 65 (cd / m²)		<3000	<3000	<3000	<200	<1500
UGR		<21	<19	<19	<16	<16
Finishes		Silver | White | Black				
Colour temperature		4000K	4000K	4000K	3000K	3000K
Luminous flux		≤ 9760lm	≤ 10454lm	≤ 11085lm	≤ 3926lm	≤ 4240lm
Installation steps	**Dt**	1,29	1,16	1,14	1,34	1,32
	Dl	1,24	1,18	1,18	1,00	1,00

3F HD 100

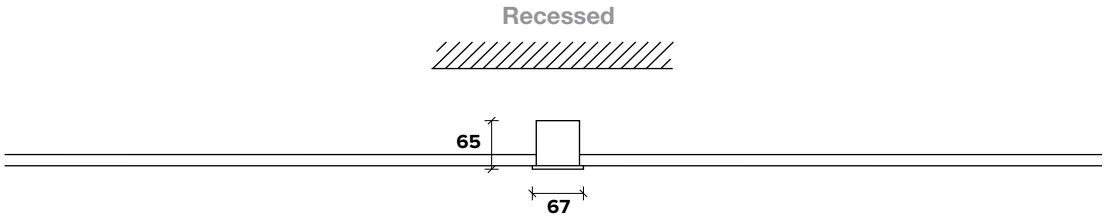
Single/Channel



3F HD
Direct / Indirect
Emission

		FDO	FDP	GSP	OCB	OCW
Average luminance for angles> 65 (cd / m²)		<3000	<3000	<3000	<200	<1500
UGR		<21	<19	<19	<16	<16
Finishes				Silver | White | Black		
Colour temperature		4000K	4000K	4000K	3000K	3000K
Luminous flux		≤ 12742lm	≤ 13144lm	≤ 13510lm	≤10486lm	≤ 10800lm
Installation steps	**Dt**	1,40	1,50	1,45	1,50	1,50
	Dl	1,20	1,25	1,25	1,20	1,20

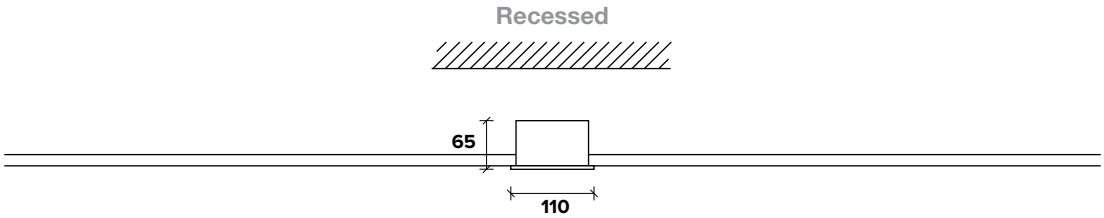
3F HD R 50



3F HD 50 R

		FDO	FDP	GSP	OCW
Average luminance for angles> 65 (cd / m²)		<3000	<3000	<3000	<1500
UGR		<21	<19	<19	<16
Finishes			White		
Colour temperature		4000K	4000K	4000K	3000K
Luminous flux		≤ 5716lm	≤ 6122lm	≤ 6492lm	≤ 4240lm
Installation steps	**Dt**	1,29	1,16	1,14	1,32
	DI	1,24	1,18	1,18	1,00

3F HD R 100



3F HD 100 R

		FDO	FDP	GSP
Average luminance for angles> 65 (cd / m²)		<3000	<3000	<3000
UGR		<21	<19	<19
Finishes			White	
Colour temperature		4000K	4000K	4000K
Luminous flux		≤ 9760lm	≤ 10454m	≤ 11085lm
Installation steps	**Dt**	1,40	1,50	1,45
	Dl	1,20	1,25	1,25

The data in this brochure is indicative and we invite you to visit our websites **3f-filippi.com** and **targetti.com** or contact our sales network for updates.
The **3F Filippi | Targetti Group**, constantly committed to improving its products, reserves the right to modify the technical characteristics of the products illustrated and the contents of this publication without prior notice.

For further information about 3F HD and other
products/applications 3F Filippi visit the site
www.3f-filippi.en/download/brochure

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