





3F HD 50 - OCB (LEED Compliant)

3F HD

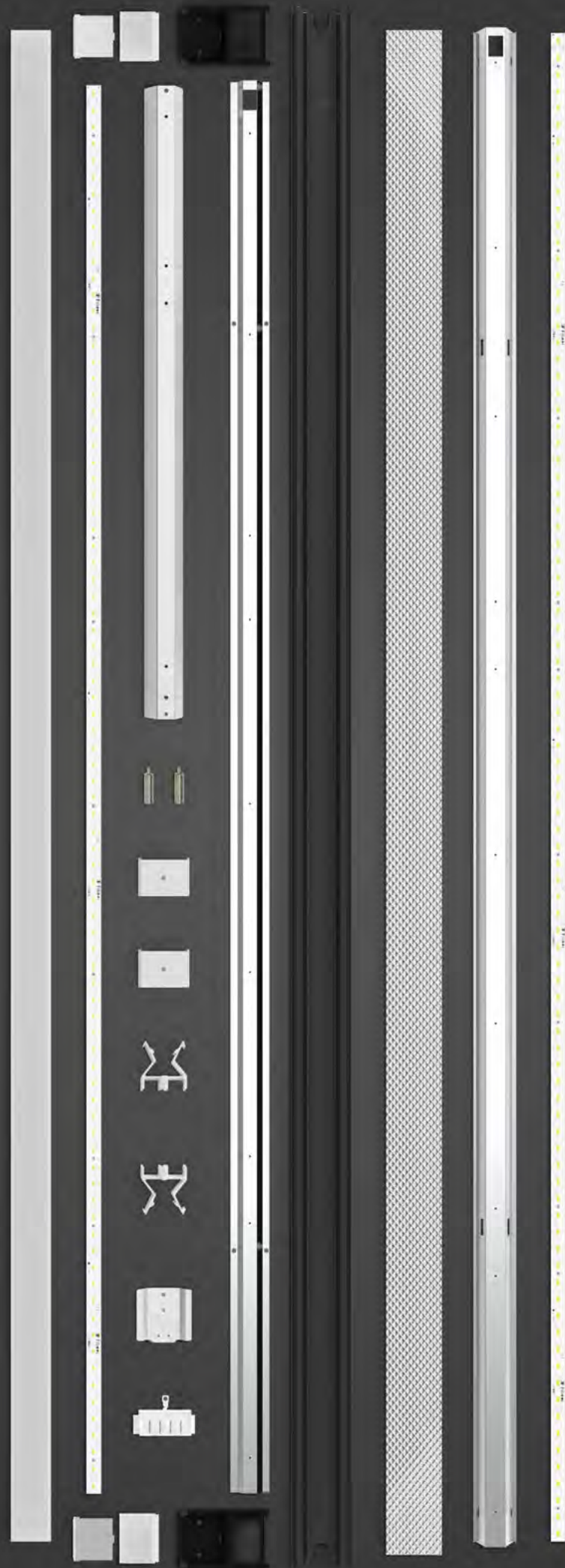
Design: **PARK ASSOCIATI**

3F HD is available with different photometric distributions that are obtained with opal and prismatic screens. The fixture is also available in a LEED compliant version equipped with an OCB optic, a unique solution with innovative technology to control luminance in the workplace in compliance with LEED specifications. 3F HD is composed of an H section aluminium linear profile.

It can be ceiling mounted, suspension and recessed (3F HD R version). Available in various lengths it provides direct or direct/indirect light emission.

3F HD can be used easily in continuous lines with a significant reduction in installation time thanks to the presence of concealed joints and standard mounted plug-sockets.

The lighting head it is equipped with allows for a 360° perception of the fixture reaffirming its presence and uniqueness.





PARK ASSOCIATI

“3F HD is a code name. In astronomy HD is an acronym that followed by a number denotes a celestial body. A link between research, experimentation and experience.”

3F HD was developed with the aim of innovating lighting in the workplace with a minimal, modern and highly technical linear system.

A real necessity given the increasing demand for solutions aimed at energy saving, visual comfort and current LEED certification in particular in environments with VDTs. Knowing the long established expertise of 3F Filippi in the field of highly efficient technical lighting we accepted the challenge to design a light fixture that is ideal for modern workplaces in terms of performance and flexibility for lighting designers.

The various dimensions, optics and screens available together with the use of the cutting-edge LED source ensure 360° quality for those like us that consider light to be a key element in creating the perfect working environment in the present and the future.

SCREENS AND FINISHES

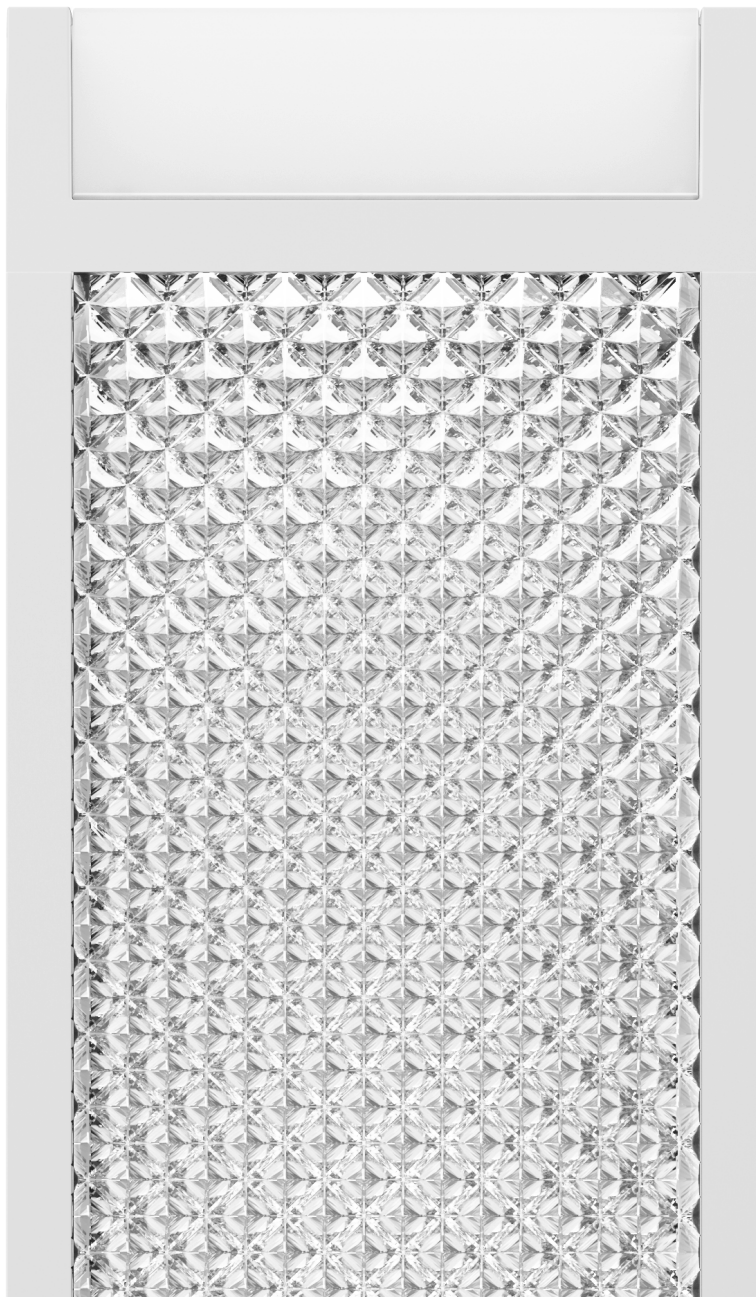
3F HD can satisfy all lighting needs. The system can be equipped with two different rollable flat PMMA filters, a prismatic screen designed especially for 3F Filippi and a series of OCB (Optics Control Black) optics, depending on the intended use of the environments.

The FDO opal screen is suitable for areas that are not visually demanding such as waiting rooms and corridors, while the FDP (Flat Diffuser Micro prismatic) standard micro prismatic one ensures increased visual comfort for work stations. Both filters do not require any visible joints for lengths of up to 15 metres thus ensuring the uniformity of the light diffusion.

The GSP (Glare Screen Prismatic) prismatic screen allows 3F HD to reduce progressive luminance, using the OCB optic on the other hand meets and widely exceeds luminance limits provided for in LEED certification for corners of more than 45° (<math><2500\text{ cd/m}^2</math>) and those of more than 65° (<math><200\text{ cd/m}^2</math>).

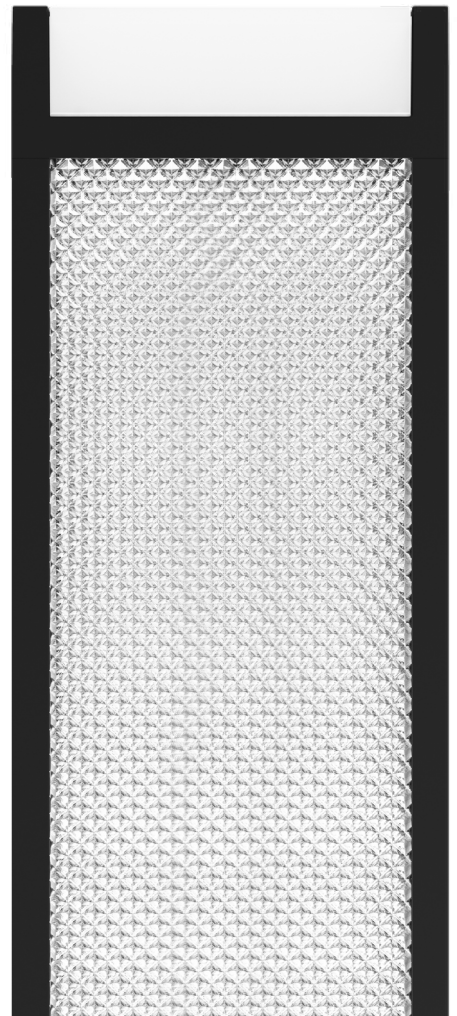
GSP

Prismatic screen



FDP

Flat micro prismatic diffuser



Finishes



White



Black

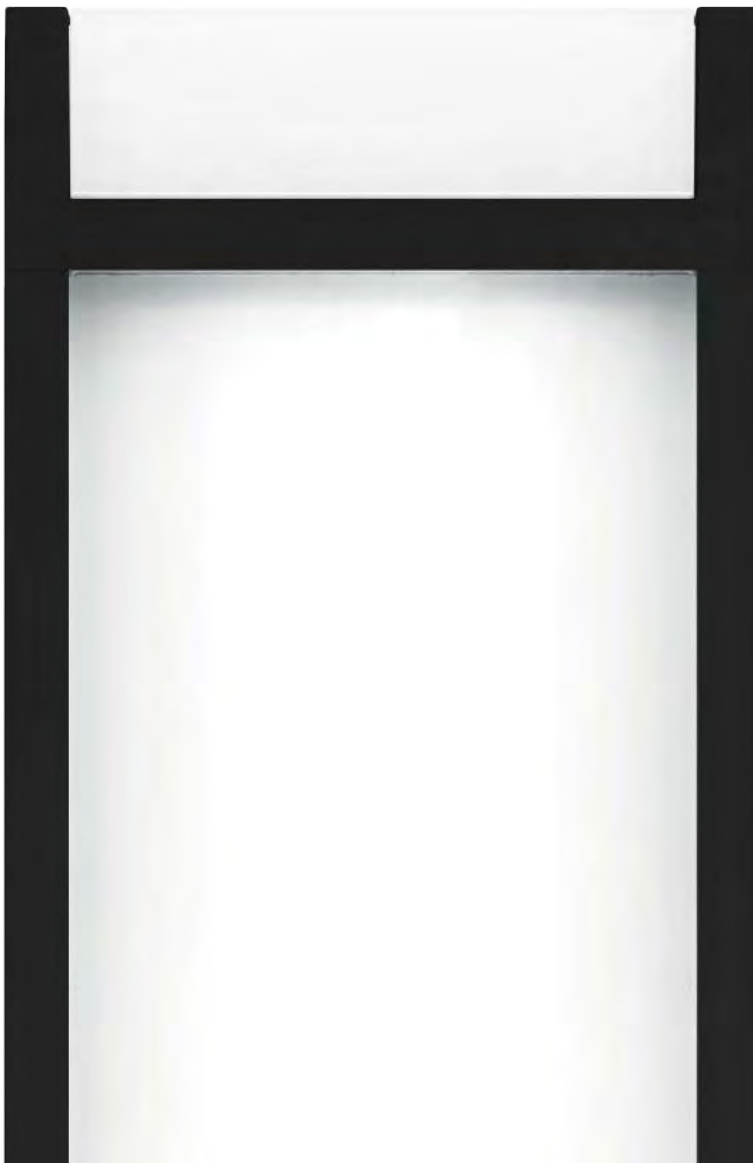


Silver



FDO

Flat opal diffuser



OCW

Optics Control White
Complies with LEED regulations

OCB

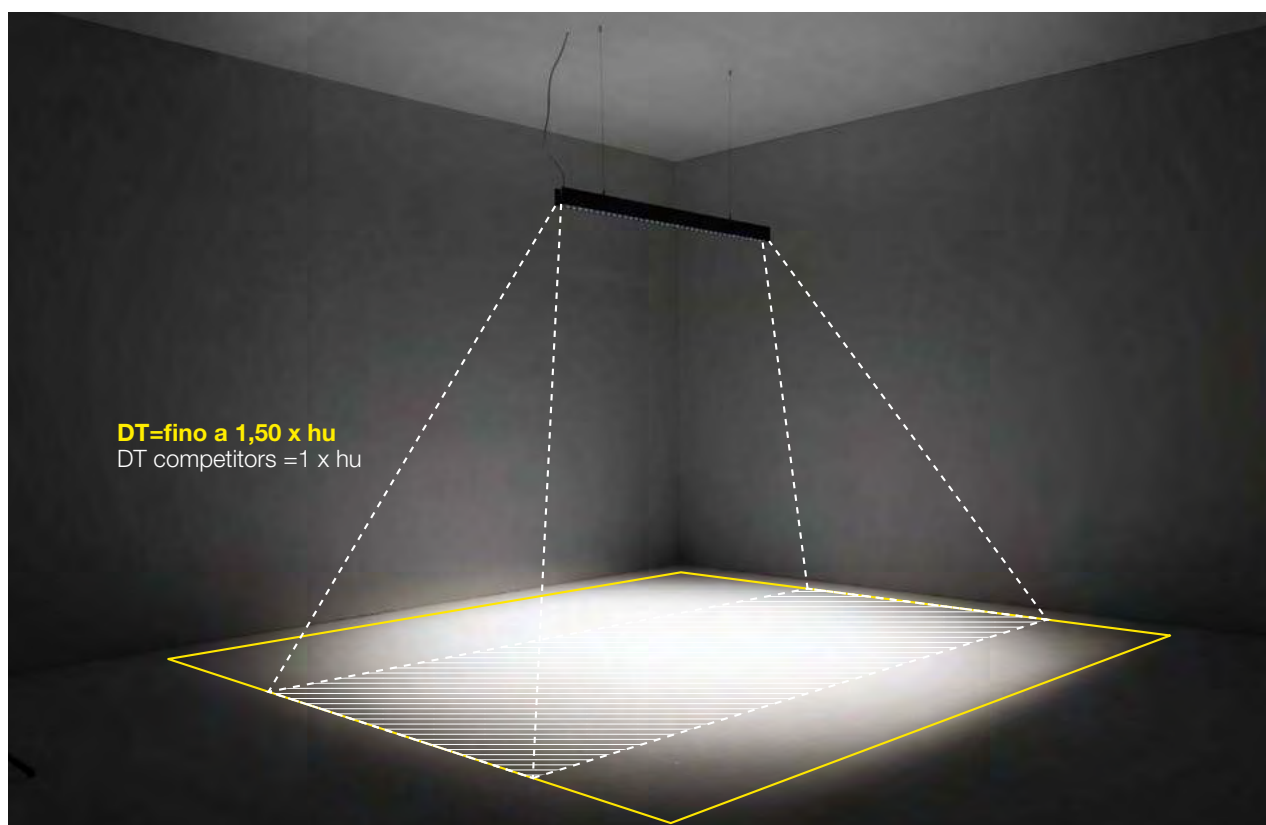
Optics Control Black
Complies with LEED regulations



Scale 1:1

PRODUCT EFFICIENCY

The new optics from the OC (Optic Control) range were designed with the aim of obtaining the best lighting performance in terms of low luminance and uniformity of light distribution in the space: modern offices need spaces where the furniture can be arranged in a flexible way. For this reason the first step is to accept an ambitious challenge: to create an optic that can meet the stringent requirements of LEED certification with a product that can be installed at wide distances. With the solutions that were previously available on the market the distance was too contained and meant it was necessary to install a large number of fixtures to achieve the required performance in compliance with existing legislation.



Thanks to innovative Optic Control optics, the DT (transversal installation step, ie the installation distance between the luminaires) offered by 3F HD OCB is up to 50% more than the average of the homologous products proposed by the major brands on the market. The performance is obtained by maintaining 500 lux and ensuring, thanks to direct emission only, complete uniformity of the luminous flux on work stations (Direct/Indirect emission versions are also available).

3F HD

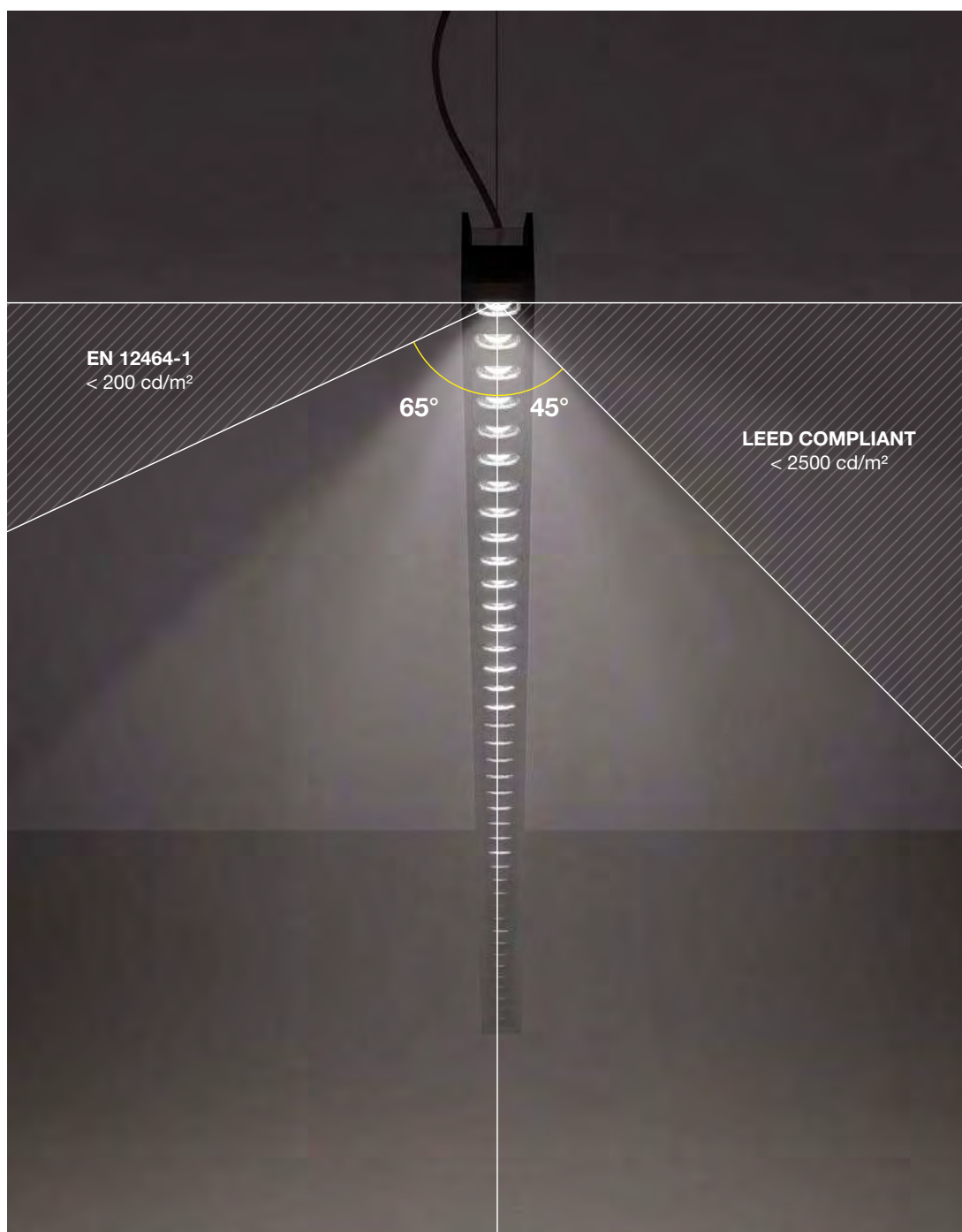


Competitors



LEED COMPLIANT

3F HD is the ideal technical solution to comply with indications from 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 substantially meets the requirements of 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 fixture at the same angle is lower than 200 cd/m².



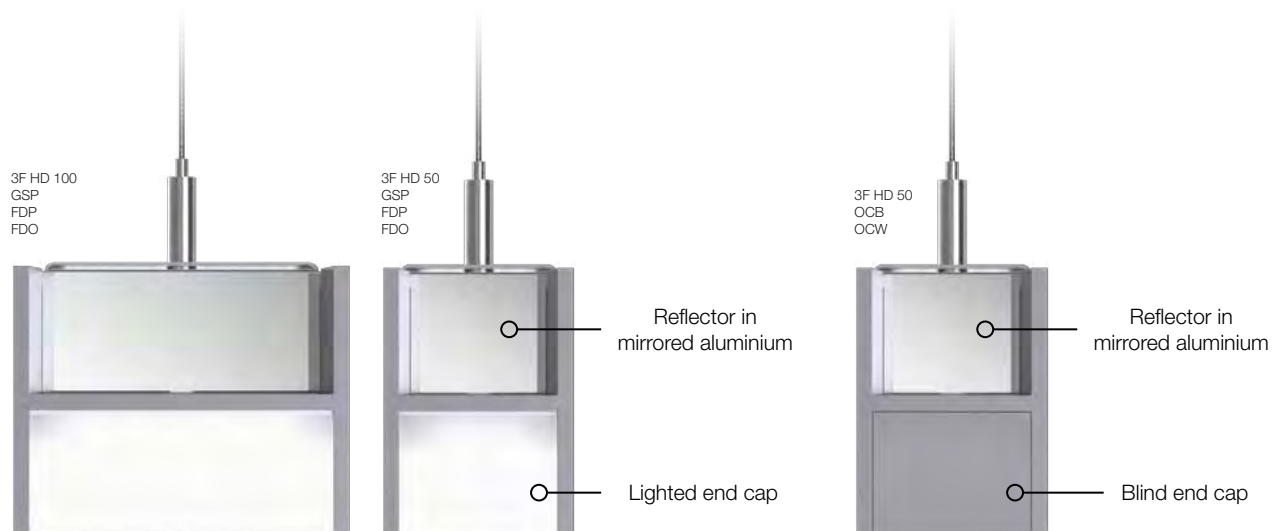
PRODUCT ADVANTAGES

END CAPS

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:** the lower screen connected to the two end caps creates luminosity that eliminates the typical two-dimensional effect of similar products.
- **Functional:** when the product is installed near walls, the lighted caps mitigate the typical smudged light effect. On the other hand, when installed in open areas, its perception and light diffusion improve, even in the most open corners.
- **Lighting:** the luminous front component reduces the visual contrast, making the perceived light under the same product axis more comfortable.

All versions have a mirrored aluminium decoration that hides the access, giving the product visual depth.

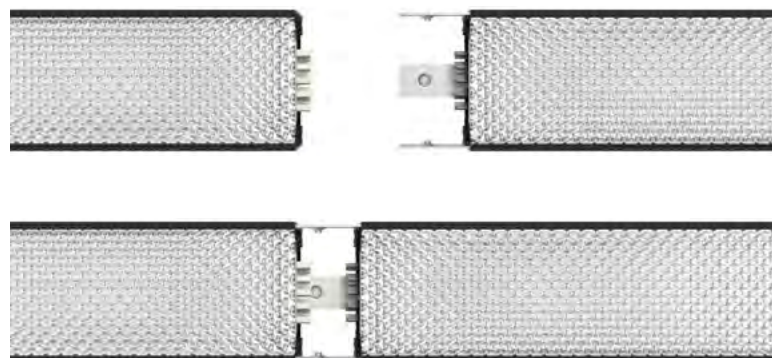


FASTWIRING SYSTEM

In the channel versions, the **FastWiring** system drastically reduces the installation time.

A plug and a socket are mounted at the beginning and end of each bar. Simply join them together and the connection is made automatically.

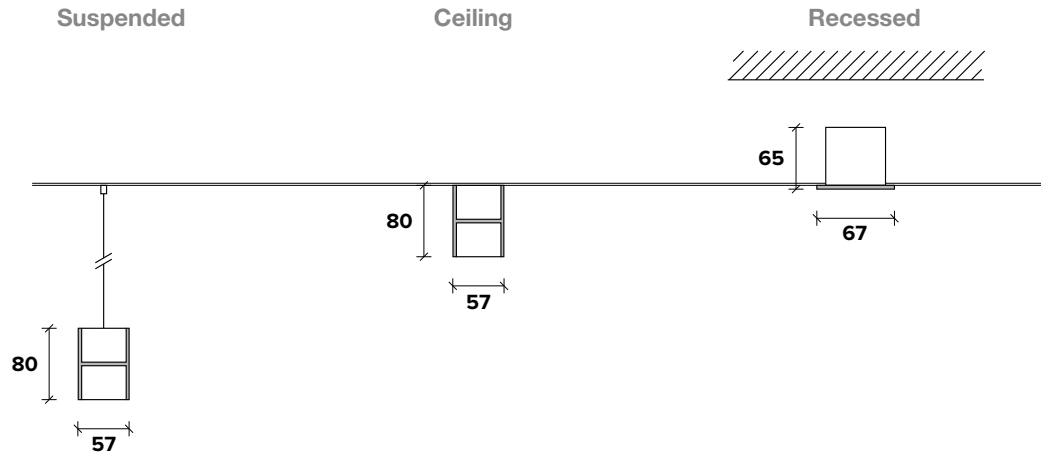
From the mechanical point of view, the connection is ensured by the (already mounted) joining elements inside the second body and fixing the safety hardware.





PRODUCT RANGE

3F HD 50 Single/Channel



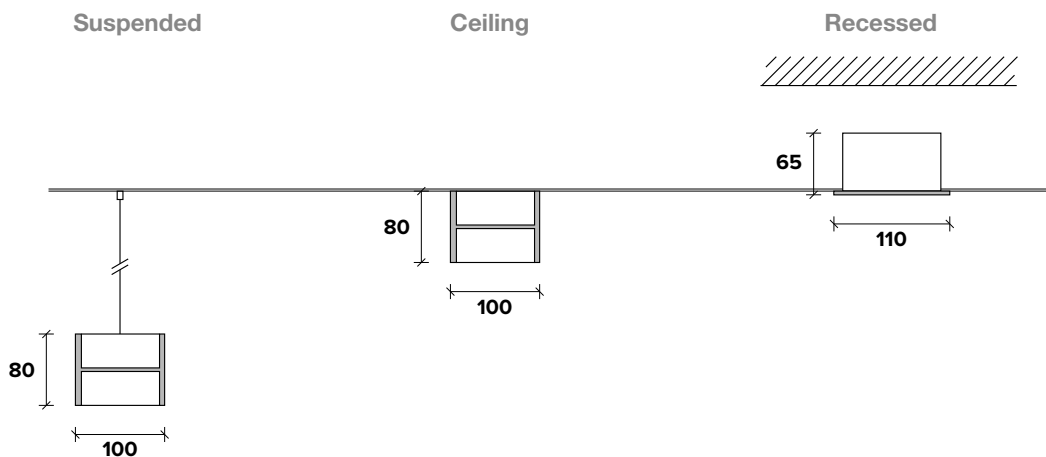
3F HD 3F HD R Direct Emission



	FDO	FDP	GSP	OCB	OCW	
Average luminance for angles > 65 (cd / m²)	>3000	<3000	<3000	<200	<1500	
UGR	<22	<19	<19	<16	<16	
Finishes	Silver White Black					
Photometric distribution						
Installation steps	Dt	1,29	1,16	1,14	1,34	1,32
	DI	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
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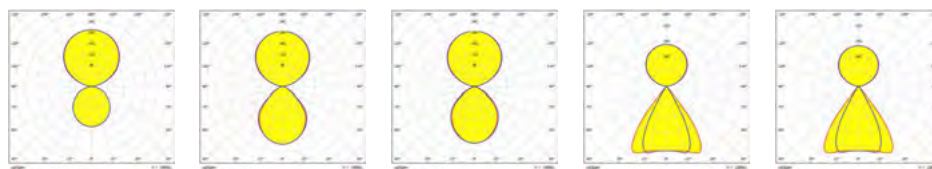
UGR

<22	<19	<19	<16	<16
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Finishes

Silver | White | Black

Photometric
distribution



Installation steps

Dt	1,40	1,50	1,45	1,50	1,50
DI	1,20	1,25	1,25	1,20	1,20



3F HD - Single

Construction characteristics

Illuminotechnical characteristics

Direct symmetric distribution.

Lifetime (L93/B10): 30000 h. (tq+25°C)

Lifetime (L90/B10): 50000 h. (tq+25°C)

Lifetime (L85/B10): 80000 h. (tq+25°C)

Lifetime (L80/B10): 100000 h. (tq+25°C)

Photobiological safety RG0, risk exempt, in compliance with IEC 62471, IEC/TR 62778 (further information on page 18).

Mechanical characteristics

Extruded aluminium housing.

Removable gear-tray.

Lighting head caps with specular aluminium frieze.

Electrical characteristics

In compliance with EN 60598-1.

Entrance to the upper power supply in proximity to a power head.

Branching via an irreversible quick coupling plug to connect the cable housing element to the socket.

Source characteristics

- Linear LED modules.
- Color initial tolerance (MacAdam): SDCM 3.

On request

- different powers
- LED sources with different colour temperatures
- housing in different RAL colours
- OC optic in different RAL colours
- wiring: CLO (more information on page 542)

Applications

Environments: with VDTs, meeting rooms, offices.

Environments: architectural, commercial, staterooms, banks.

Environments where dynamic, soft and diffuse light is required for optimal visual comfort.

FDO version

Environments where soft diffuse light is required for optimal visual comfort and total shielding of the source.

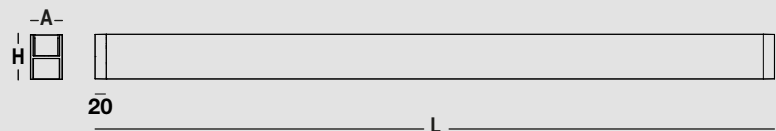
Installation

Ceiling mounted or suspension installation.

Light Management

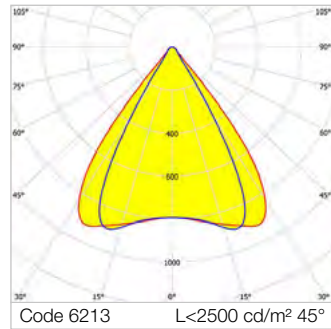
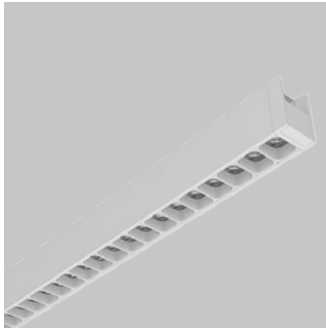
The DALI products of this family can be controlled manually with the technology 3F Easy Dim or even automatically and manually using the 3F Smart Dimming technology (see "Light Management" chapter).

Dimensions



3F HD OCW Single

Optics Control White - LEED certification



650°C

IP40

0,2J

IK02

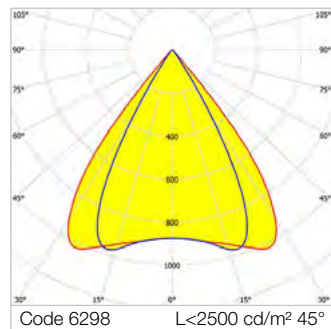
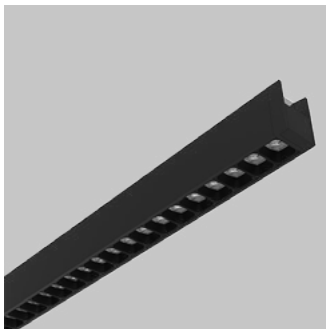


Average luminance <math><2500\text{ cd/m}^2</math> for angles >45°.
 Average luminance <math><1500\text{ cd/m}^2</math> for angles >65°.
 Environments with very exacting visual tasks and control of luminance at angles of >45° compared to the LEED certification. Offices with video terminals and administrative, information and school offices.
 Transparent methacrylate lenses with different facets to optimise the direction of the luminous flux.
 Anti-reflective white polycarbonate alveolar optic.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
3F HD 50 - DALI electronic wiring 230V-50/60Hz						
○ 6212	3F HD50 WH 12/835 DALI OCW L1214	13.5	1593	3500	>80	1214x57x80
○ 6213	3F HD50 WH 15/835 DALI OCW L1508	17	1991	3500	>80	1508x57x80
○ 6214	3F HD50 WH 30/835 DALI OCW L2975	33	3981	3500	>80	2975x57x80

3F HD OCB Single

Optics Control Black - LEED certification



650°C

IP40

0,2J

IK02

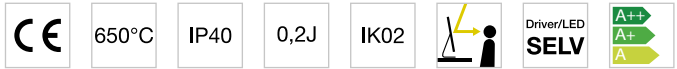
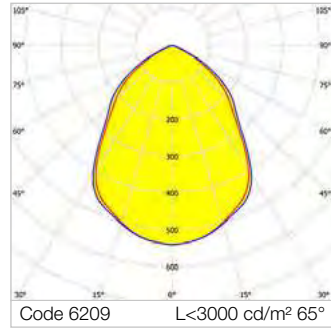
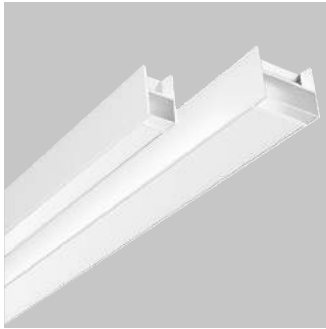


Average luminance <math><2500\text{ cd/m}^2</math> for angles >45°.
 Average luminance <math><200\text{ cd/m}^2</math> for angles >65°.
 Environments with very exacting visual tasks and control of luminance at angles of >45° compared to the LEED certification. Offices with video terminals and administrative, information and school offices.
 Transparent methacrylate lenses with different facets to optimise the direction of the luminous flux.
 Anti-reflective black polycarbonate alveolar optic.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
3F HD 50 - DALI electronic wiring 230V-50/60Hz						
● 6297	3F HD50 BK 12/835 DALI OCB L1214	13.5	1474	3500	>80	1214x57x80
● 6298	3F HD50 BK 15/835 DALI OCB L1508	17	1843	3500	>80	1508x57x80
● 6299	3F HD50 BK 30/835 DALI OCB L2975	33	3686	3500	>80	2975x57x80
○ 6382	3F HD50 AL 12/835 DALI OCB L1214	13.5	1474	3500	>80	1214x57x80
○ 6383	3F HD50 AL 15/835 DALI OCB L1508	17	1843	3500	>80	1508x57x80
○ 6384	3F HD50 AL 30/835 DALI OCB L2975	33	3686	3500	>80	2975x57x80

3F HD GSP Single

Flat prismatic diffuser in methacrylate with low luminance film



Average luminance <math><3000\text{ cd/m}^2</math> for angles >math>65^\circ</math>. Non-iridescent high efficiency specular aluminium with a titanium and magnesium surface treatment flow recuperator. SP flat diffuser in transparent PMMA, outside prismatic, anti-glare. Anti-glare opal polycarbonate filter for brightness uniformity.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
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3F HD 50 - DALI electronic wiring 230V-50/60Hz

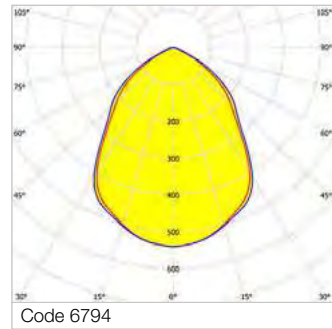
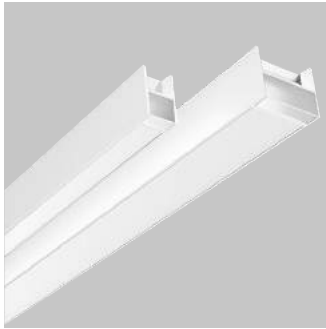
○	6208	3F HD50 WH 13/840 DALI GSP L1214	14	1374	4000	>80	1214x57x80
○	6209	3F HD50 WH 16/840 DALI GSP L1508	19	1718	4000	>80	1508x57x80
○	6210	3F HD50 WH 32/840 DALI GSP L2975	35	3435	4000	>80	2975x57x80
●	6293	3F HD50 BK 13/840 DALI GSP L1214	14	1374	4000	>80	1214x57x80
●	6294	3F HD50 BK 16/840 DALI GSP L1508	19	1718	4000	>80	1508x57x80
●	6295	3F HD50 BK 32/840 DALI GSP L2975	35	3435	4000	>80	2975x57x80
○	6378	3F HD50 AL 13/840 DALI GSP L1214	14	1374	4000	>80	1214x57x80
○	6379	3F HD50 AL 16/840 DALI GSP L1508	19	1718	4000	>80	1508x57x80
○	6380	3F HD50 AL 32/840 DALI GSP L2975	35	3435	4000	>80	2975x57x80

3F HD 100 - DALI electronic wiring 230V-50/60Hz

○	6227	3F HD100 WH 22/840 DALI GSP L1214	24	2617	4000	>80	1214x100x80
○	6228	3F HD100 WH 26/840 DALI GSP L1508	30	3271	4000	>80	1508x100x80
○	6229	3F HD100 WH 52/840 DALI GSP L2975	58	6428	4000	>80	2975x100x80
●	6312	3F HD100 BK 22/840 DALI GSP L1214	24	2617	4000	>80	1214x100x80
●	6313	3F HD100 BK 26/840 DALI GSP L1508	30	3271	4000	>80	1508x100x80
●	6314	3F HD100 BK 52/840 DALI GSP L2975	58	6428	4000	>80	2975x100x80
○	6397	3F HD100 AL 22/840 DALI GSP L1214	24	2617	4000	>80	1214x100x80
○	6398	3F HD100 AL 26/840 DALI GSP L1508	30	3271	4000	>80	1508x100x80
○	6399	3F HD100 AL 52/840 DALI GSP L2975	58	6428	4000	>80	2975x100x80

3F HD HO GSP Single

Flat prismatic diffuser in methacrylate with low luminance film



650°C

IP40

0,2J

IK02

Driver/LED
SELV

Non-iridescent high efficiency specular aluminium with a titanium and magnesium surface treatment flow recuperator.
SP flat diffuser in transparent PMMA, outside prismatic, anti-glare.
Anti-glare opal polycarbonate filter for brightness uniformity.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
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3F HD 50 - DALI electronic wiring 230V-50/60Hz

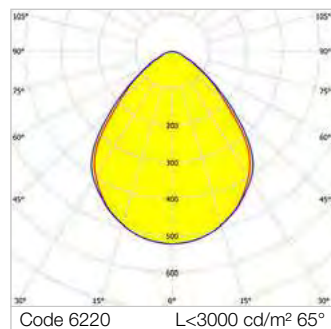
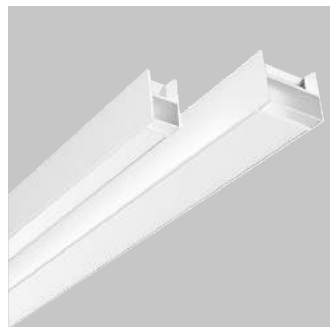
○ 6793 ^{NEW}	3F HD50 WH HO 22/840 DALI GSP L1214	24	2597	4000	>80	1214x57x80
○ 6794 ^{NEW}	3F HD50 WH HO 26/840 DALI GSP L1508	32	3246	4000	>80	1508x57x80
○ 6795 ^{NEW}	3F HD50 WH HO 52/840 DALI GSP L2975	58	5871	4000	>80	2975x57x80
● 6799 ^{NEW}	3F HD50 BK HO 22/840 DALI GSP L1214	24	2597	4000	>80	1214x57x80
● 6800 ^{NEW}	3F HD50 BK HO 26/840 DALI GSP L1508	32	3246	4000	>80	1508x57x80
● 6801 ^{NEW}	3F HD50 BK HO 52/840 DALI GSP L2975	58	5871	4000	>80	2975x57x80
○ 6805 ^{NEW}	3F HD50 AL HO 22/840 DALI GSP L1214	24	2597	4000	>80	1214x57x80
○ 6806 ^{NEW}	3F HD50 AL HO 26/840 DALI GSP L1508	32	3246	4000	>80	1508x57x80
○ 6807 ^{NEW}	3F HD50 AL HO 52/840 DALI GSP L2975	58	5871	4000	>80	2975x57x80

3F HD 100 - DALI electronic wiring 230V-50/60Hz

○ 6796 ^{NEW}	3F HD100 WH HO 36/840 DALI GSP L1214	39	3999	4000	>80	1214x100x80
○ 6797 ^{NEW}	3F HD100 WH HO 44/840 DALI GSP L1508	49	4998	4000	>80	1508x100x80
○ 6798 ^{NEW}	3F HD100 WH HO 88/840 DALI GSP L2975	98	9997	4000	>80	2975x100x80
● 6802 ^{NEW}	3F HD100 BK HO 36/840 DALI GSP L1214	39	3999	4000	>80	1214x100x80
● 6803 ^{NEW}	3F HD100 BK HO 44/840 DALI GSP L1508	49	4998	4000	>80	1508x100x80
● 6804 ^{NEW}	3F HD100 BK HO 88/840 DALI GSP L2975	98	9997	4000	>80	2975x100x80
○ 6808 ^{NEW}	3F HD100 AL HO 36/840 DALI GSP L1214	39	3999	4000	>80	1214x100x80
○ 6809 ^{NEW}	3F HD100 AL HO 44/840 DALI GSP L1508	49	4998	4000	>80	1508x100x80
○ 6810 ^{NEW}	3F HD100 AL HO 88/840 DALI GSP L2975	98	9997	4000	>80	2975x100x80

3F HD FDP Single

Diffuser microprismatic



Average luminance <math><3000\text{ cd/m}^2</math> for angles >math>65^\circ</math>. Non-iridescent high efficiency specular aluminium with a titanium and magnesium surface treatment flow recuperator. Externally micro prismatic transparent flat anti-glare polycarbonate diffuser. Anti-glare opal polycarbonate filter for brightness uniformity.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
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3F HD 50 - DALI electronic wiring 230V-50/60Hz

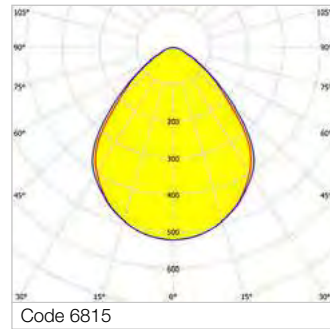
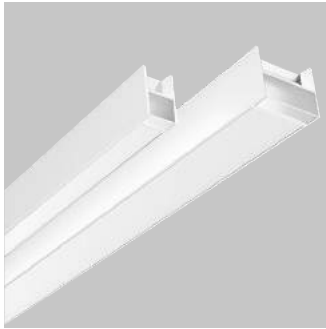
○	6200	3F HD50 WH 13/840 DALI FDP L1214	14	1292	4000	>80	1214x57x80
○	6201	3F HD50 WH 16/840 DALI FDP L1508	19	1615	4000	>80	1508x57x80
○	6202	3F HD50 WH 32/840 DALI FDP L2975	35	3229	4000	>80	2975x57x80
●	6285	3F HD50 BK 13/840 DALI FDP L1214	14	1292	4000	>80	1214x57x80
●	6286	3F HD50 BK 16/840 DALI FDP L1508	19	1615	4000	>80	1508x57x80
●	6287	3F HD50 BK 32/840 DALI FDP L2975	35	3229	4000	>80	2975x57x80
○	6370	3F HD50 AL 13/840 DALI FDP L1214	14	1292	4000	>80	1214x57x80
○	6371	3F HD50 AL 16/840 DALI FDP L1508	19	1615	4000	>80	1508x57x80
○	6372	3F HD50 AL 32/840 DALI FDP L2975	35	3229	4000	>80	2975x57x80

3F HD 100 - DALI electronic wiring 230V-50/60Hz

○	6219	3F HD100 WH 22/840 DALI FDP L1214	24	2468	4000	>80	1214x100x80
○	6220	3F HD100 WH 26/840 DALI FDP L1508	30	3085	4000	>80	1508x100x80
○	6221	3F HD100 WH 52/840 DALI FDP L2975	58	6062	4000	>80	2975x100x80
●	6304	3F HD100 BK 22/840 DALI FDP L1214	24	2468	4000	>80	1214x100x80
●	6305	3F HD100 BK 26/840 DALI FDP L1508	30	3085	4000	>80	1508x100x80
●	6306	3F HD100 BK 52/840 DALI FDP L2975	58	6062	4000	>80	2975x100x80
○	6389	3F HD100 AL 22/840 DALI FDP L1214	24	2468	4000	>80	1214x100x80
○	6390	3F HD100 AL 26/840 DALI FDP L1508	30	3085	4000	>80	1508x100x80
○	6391	3F HD100 AL 52/840 DALI FDP L2975	58	6062	4000	>80	2975x100x80

3F HD HO FDP Single

Diffuser microprismatic



650°C

IP40

0,2J

IK02

Driver/LED
SELV

Non-iridescent high efficiency specular aluminium with a titanium and magnesium surface treatment flow recuperator.
Externally micro prismatic transparent flat anti-glare polycarbonate diffuser.
Anti-glare opal polycarbonate filter for brightness uniformity.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
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3F HD 50 - DALI electronic wiring 230V-50/60Hz

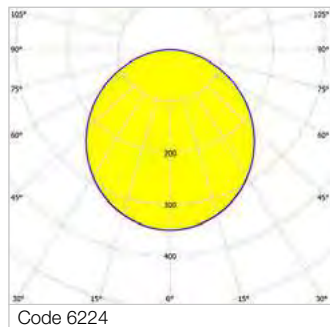
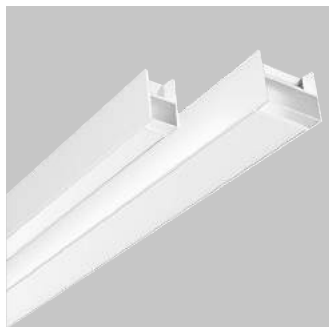
○ 6811 ^{NEW}	3F HD50 WH HO 22/840 DALI FDP L1214	24	2449	4000	>80	1214x57x80
○ 6812 ^{NEW}	3F HD50 WH HO 26/840 DALI FDP L1508	32	3061	4000	>80	1508x57x80
○ 6813 ^{NEW}	3F HD50 WH HO 52/840 DALI FDP L2975	58	5537	4000	>80	2975x57x80
● 6817 ^{NEW}	3F HD50 BK HO 22/840 DALI FDP L1214	24	2449	4000	>80	1214x57x80
● 6818 ^{NEW}	3F HD50 BK HO 26/840 DALI FDP L1508	32	3061	4000	>80	1508x57x80
● 6819 ^{NEW}	3F HD50 BK HO 52/840 DALI FDP L2975	58	5537	4000	>80	2975x57x80
○ 6823 ^{NEW}	3F HD50 AL HO 22/840 DALI FDP L1214	24	2449	4000	>80	1214x57x80
○ 6824 ^{NEW}	3F HD50 AL HO 26/840 DALI FDP L1508	32	3061	4000	>80	1508x57x80
○ 6825 ^{NEW}	3F HD50 AL HO 52/840 DALI FDP L2975	58	5537	4000	>80	2975x57x80

3F HD 100 - DALI electronic wiring 230V-50/60Hz

○ 6814 ^{NEW}	3F HD100 WH HO 36/840 DALI FDP L1214	39	3771	4000	>80	1214x100x80
○ 6815 ^{NEW}	3F HD100 WH HO 44/840 DALI FDP L1508	49	4714	4000	>80	1508x100x80
○ 6816 ^{NEW}	3F HD100 WH HO 88/840 DALI FDP L2975	98	9428	4000	>80	2975x100x80
● 6820 ^{NEW}	3F HD100 BK HO 36/840 DALI FDP L1214	39	3771	4000	>80	1214x100x80
● 6821 ^{NEW}	3F HD100 BK HO 44/840 DALI FDP L1508	49	4714	4000	>80	1508x100x80
● 6822 ^{NEW}	3F HD100 BK HO 88/840 DALI FDP L2975	98	9428	4000	>80	2975x100x80
○ 6826 ^{NEW}	3F HD100 AL HO 36/840 DALI FDP L1214	39	3771	4000	>80	1214x100x80
○ 6827 ^{NEW}	3F HD100 AL HO 44/840 DALI FDP L1508	49	4714	4000	>80	1508x100x80
○ 6828 ^{NEW}	3F HD100 AL HO 88/840 DALI FDP L2975	98	9428	4000	>80	2975x100x80

3F HD FDO Single

Opal diffuser



Non-iridescent high efficiency specular aluminium with a titanium and magnesium surface treatment flow recuperator. Flat opal anti-glare polycarbonate diffuser.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
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3F HD 50 - DALI electronic wiring 230V-50/60Hz

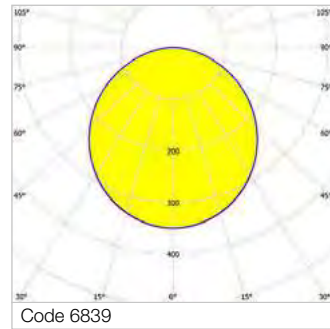
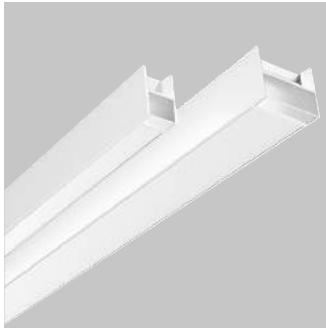
○	6204	3F HD50 WH 13/840 DALI FDO L1214	14	1250	4000	>80	1214x57x80
○	6205	3F HD50 WH 16/840 DALI FDO L1508	19	1563	4000	>80	1508x57x80
○	6206	3F HD50 WH 32/840 DALI FDO L2975	35	3126	4000	>80	2975x57x80
●	6289	3F HD50 BK 13/840 DALI FDO L1214	14	1250	4000	>80	1214x57x80
●	6290	3F HD50 BK 16/840 DALI FDO L1508	19	1563	4000	>80	1508x57x80
●	6291	3F HD50 BK 32/840 DALI FDO L2975	35	3126	4000	>80	2975x57x80
○	6374	3F HD50 AL 13/840 DALI FDO L1214	14	1250	4000	>80	1214x57x80
○	6375	3F HD50 AL 16/840 DALI FDO L1508	19	1563	4000	>80	1508x57x80
○	6376	3F HD50 AL 32/840 DALI FDO L2975	35	3126	4000	>80	2975x57x80

3F HD 100 - DALI electronic wiring 230V-50/60Hz

○	6223	3F HD100 WH 22/840 DALI FDO L1214	24	2304	4000	>80	1214x100x80
○	6224	3F HD100 WH 26/840 DALI FDO L1508	30	2880	4000	>80	1508x100x80
○	6225	3F HD100 WH 52/840 DALI FDO L2975	58	5660	4000	>80	2975x100x80
●	6308	3F HD100 BK 22/840 DALI FDO L1214	24	2304	4000	>80	1214x100x80
●	6309	3F HD100 BK 26/840 DALI FDO L1508	30	2880	4000	>80	1508x100x80
●	6310	3F HD100 BK 52/840 DALI FDO L2975	58	5660	4000	>80	2975x100x80
○	6393	3F HD100 AL 22/840 DALI FDO L1214	24	2304	4000	>80	1214x100x80
○	6394	3F HD100 AL 26/840 DALI FDO L1508	30	2880	4000	>80	1508x100x80
○	6395	3F HD100 AL 52/840 DALI FDO L2975	58	5660	4000	>80	2975x100x80

3F HD HO FDO Single

Opal diffuser



650°C

IP40

0,2J

IK02

Driver/LED
SELV

Non-iridescent high efficiency specular aluminium with a titanium and magnesium surface treatment flow recuperator. Flat opal anti-glare polycarbonate diffuser.

Code	Item	Absorbed power (W)	Output flux (lm)	CCT (K)	CRI	Dimensions L x A x H
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3F HD 50 - DALI electronic wiring 230V-50/60Hz

○ 6829 ^{NEW}	3F HD50 WH HO 22/840 DALI FDO L1214	24	2287	4000	>80	1214x57x80
○ 6830 ^{NEW}	3F HD50 WH HO 26/840 DALI FDO L1508	32	2858	4000	>80	1508x57x80
○ 6831 ^{NEW}	3F HD50 WH HO 52/840 DALI FDO L2975	58	5170	4000	>80	2975x57x80
● 6835 ^{NEW}	3F HD50 BK HO 22/840 DALI FDO L1214	24	2287	4000	>80	1214x57x80
● 6836 ^{NEW}	3F HD50 BK HO 26/840 DALI FDO L1508	32	2858	4000	>80	1508x57x80
● 6837 ^{NEW}	3F HD50 BK HO 52/840 DALI FDO L2975	58	5170	4000	>80	2975x57x80
○ 6841 ^{NEW}	3F HD50 AL HO 22/840 DALI FDO L1214	24	2287	4000	>80	1214x57x80
○ 6842 ^{NEW}	3F HD50 AL HO 26/840 DALI FDO L1508	32	2858	4000	>80	1508x57x80
○ 6843 ^{NEW}	3F HD50 AL HO 52/840 DALI FDO L2975	58	5170	4000	>80	2975x57x80

3F HD 100 - DALI electronic wiring 230V-50/60Hz

○ 6832 ^{NEW}	3F HD100 WH HO 36/840 DALI FDO L1214	39	3521	4000	>80	1214x100x80
○ 6833 ^{NEW}	3F HD100 WH HO 44/840 DALI FDO L1508	49	4401	4000	>80	1508x100x80
○ 6834 ^{NEW}	3F HD100 WH HO 88/840 DALI FDO L2975	98	8802	4000	>80	2975x100x80
● 6838 ^{NEW}	3F HD100 BK HO 36/840 DALI FDO L1214	39	3521	4000	>80	1214x100x80
● 6839 ^{NEW}	3F HD100 BK HO 44/840 DALI FDO L1508	49	4401	4000	>80	1508x100x80
● 6840 ^{NEW}	3F HD100 BK HO 88/840 DALI FDO L2975	98	8802	4000	>80	2975x100x80
○ 6844 ^{NEW}	3F HD100 AL HO 36/840 DALI FDO L1214	39	3521	4000	>80	1214x100x80
○ 6845 ^{NEW}	3F HD100 AL HO 44/840 DALI FDO L1508	49	4401	4000	>80	1508x100x80
○ 6846 ^{NEW}	3F HD100 AL HO 88/840 DALI FDO L2975	98	8802	4000	>80	2975x100x80