

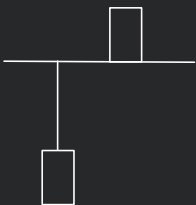


## Fil 45

*"A classic's functional evolution:  
The calling to give answers"*

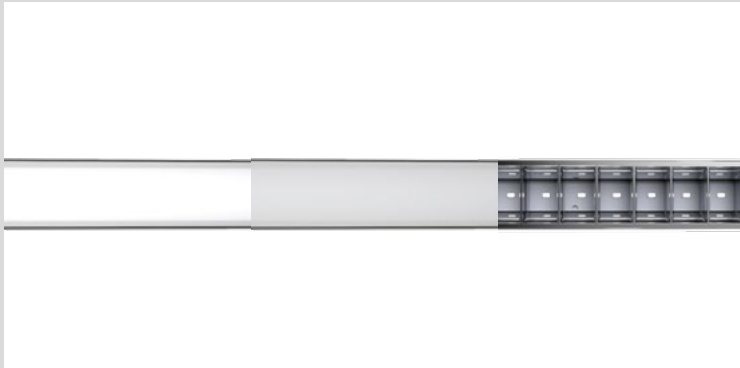
Retaining the family's timelessness, Fil expands reducing its dimensions and increasing its possibilities. Fil 45's calling is to provide quality general lighting, capable of adapting to any space. While responding to the high lighting requirements that a project may require.

*Design by Lamp*



## Fil 45

Indoor



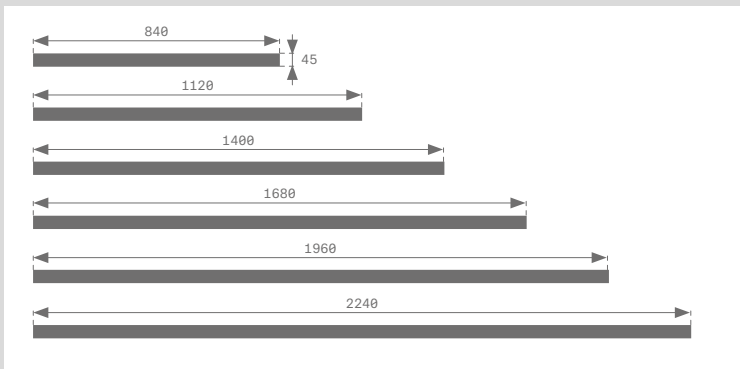
### Visual comfort through different optical diffusers

Possibility of choosing between opal, opal comfort and tech diffuser depending on the application required.



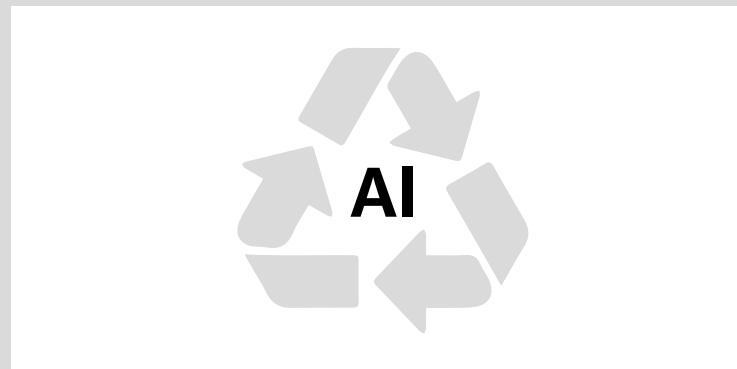
### Integrated functional and environmental lighting

Direct and indirect lighting integrated into the same luminaire, achieving a double lighting effect for the installation of suspended Fil. Designed for spaces aiming to highlight ceilings or reduce visual fatigue, such as work spaces and offices, avoiding high contrast and glare.



### Great variety of lengths

This is aThis is a linear luminaires family with a wide range of lengths, available in six standardised dimensions and with the possibility of customising special lengths.







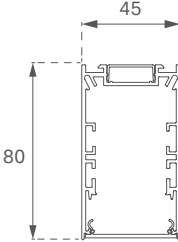
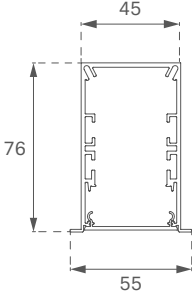
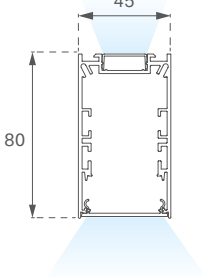




### #Worktitude For Life

Product made of recycled aluminium extrusion at a rate of 80-85%, reducing the carbon footprint of products and processes, as well as the environmental impact across the entire value chain.

# Fil 45

Indoor



Models	OPAL		OPAL COMFORT		TECH	DIRECT / INDIRECT	
							
Dimensions	SURFACE		RECESSED			DIRECT / INDIRECT	
							
Lm LED	1450 lm	2600 lm	3250 lm	3900 lm	4550 lm	3200 lm	
	4650 lm	6200 lm	7750 lm	9300 lm	10850 lm	12400 lm	
Lenghts	840 mm	1120 mm	1400 mm	1680 mm	1960 mm	2240mm	
CRI	80 / 90						
Beam angle	 Opal		 Opal Comfort		 Tech	 Dir / Ind	
Color temp.	3000 / 4000 K / TW / WB						
Gear	ON/OFF - DALI						
Power	12 W	16 W	19 W	23 W	27 W	31 W	
	27 W	36 W	45 W	54 W	63 W	72 W	
Acc. Finishes	● Black 02                      ○ White 02                      ● Grey 01						

## Fil 45

Indoor



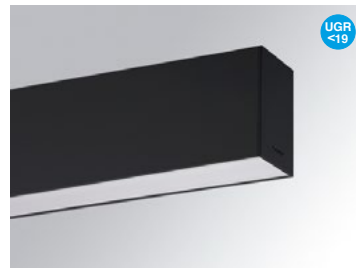
### Fil 45

Opal



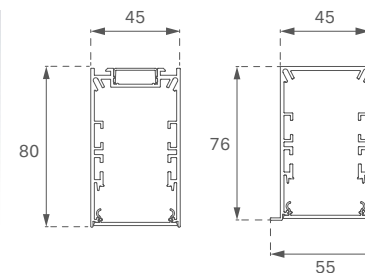
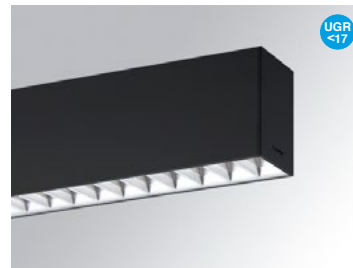
### Fil 45

Opal Comfort



### Fil 45

Tech



#### FIL 45 DIRECT

Family	Installation		Formats		Lm LED/m		Optic		CRI		K		Gear		Finishes	
F41	SF	Surface RE Recessed	084	840mm	M0	2320lm	OP	Opal	8	80	30	3000 K	N	ON/OFF	B	Black 02
			112	1120mm		H0		4288lm			40	4000 K		D		DALI
			140	1400mm	TE Tech						G	Grey 01				
			168	1680mm												
			196	1960mm												
			224	2240mm												
			084	840mm	M0	2320lm	PR Opal Comfort				D	DALI				
			112	1120mm												
			140	1400mm												
			168	1680mm												
			112	1120mm	M0	2320lm	OP	Opal	8	80	TW	Tunable White	D	DALI		
			168	1680mm												
			224	2240mm												
			112	1120mm	M0	2320lm	PR Opal Comfort					B		Black 02		
			168	1680mm		W								White 02		
F41	SF	084	M0	OP	8	30	N	B								

Example: **F41 SF 084 M0 OP 8 30 N B**



# Fil 45

Indoor



## FIL 45 DIRECT WELLBEING

Family	Installation		Formats	Lm LED/m	Optic	K		Gear		Finishes				
F41	SF	Surface	112	1120mm	M0	2320lm	PR	Opal Comfort	WB3	3000 WB	N	ON/OFF	B	Black 02
	RE	Recessed	168	1680mm		WB4	4000 WB	D	DALI	W	White 02			
									WBT	Tunable White WB	D	DALI	G	Grey 01
F41	SF		112		M0		PR		WB3		N		B	

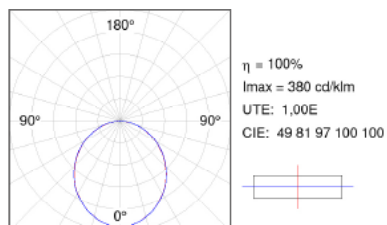
Example: **F41 SF 112 M0 PR WB3 N B**



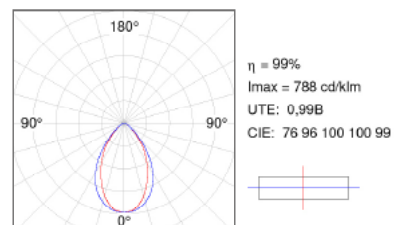
## TECHNICAL CHARACTERISTICS

### Optics

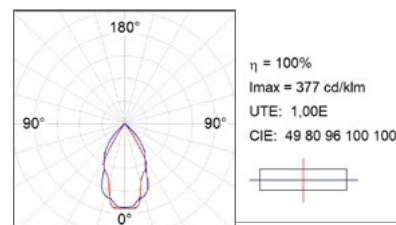
#### OPAL



#### OPAL COMFORT



#### TECH



### Light output and power

#### FIL 45 DIRECT

				840mm		1120mm		1400mm		1680mm		1960mm		2240mm	
		K	CRI	W	lm Output	W	lm Output	W	lm Output	W	lm Output	W	lm Output	W	lm Output
MO	OP	3000	80	12	1242	16	1656	19	2070	23	2484	27	2898	31	3312
		4000	80	12	1302	16	1736	19	2170	23	2604	27	3038	31	3472
	PR	3000	80	12	1160	16	1547	19	1933	23	2319	-	-	-	-
		4000	80	12	1218	16	1624	19	2030	23	2437	-	-	-	-
	TE	3000	80	12	1350	16	1800	19	2250	23	2700	27	3150	31	3600
		4000	80	12	1415	16	1886	19	2358	23	2830	27	3301	31	3773
HO	OP	3000	80	27	2798	36	3728	45	4660	54	5592	63	6524	72	7456
		4000	80	27	2930	36	3907	45	4884	54	5860	63	6837	72	7814

#### FIL 45 DIRECT WELLBEING

				1120mm		1680mm	
		K	CRI	W	lm Output	W	lm Output
MO	PR	3000	97	29,6	1559	55,1	2338
		4000	97	29,6	1878	55,1	2817

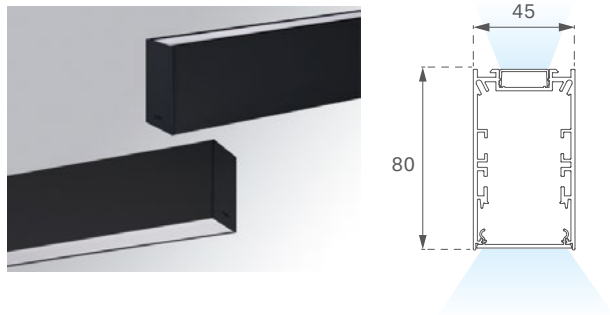
## Fil 45

Indoor



## Fil 45

Direct Indirect



### FIL 45 DIRECT-INDIRECT

Family	Installation	Formats	Lm LED/m	Optic	CRI	K	Gear	Finishes
<b>F41</b>	<b>SF</b> Surface	<b>084</b> 840mm	<b>M0</b> 2320lm	<b>IO</b> Dir./Ind Opal <b>IP</b> Dir./Ind Opal Comfort	<b>8</b> 80	<b>30</b> 3000 K <b>40</b> 4000 K	<b>N</b> ON/OFF <b>D</b> DALI	<b>B</b> Black 02
		<b>112</b> 1120mm						<b>W</b> White 02
		<b>140</b> 1400mm						<b>G</b> Grey 01
		<b>168</b> 1680mm						
<b>F41</b>	<b>SF</b>	<b>084</b>	<b>M0</b>	<b>IO</b>	<b>8</b>	<b>30</b>	<b>N</b>	<b>B</b>

Example: **F41 SF 084 M0 IO 8 30 N B**

### FIL 45 DIRECT-INDIRECT TW

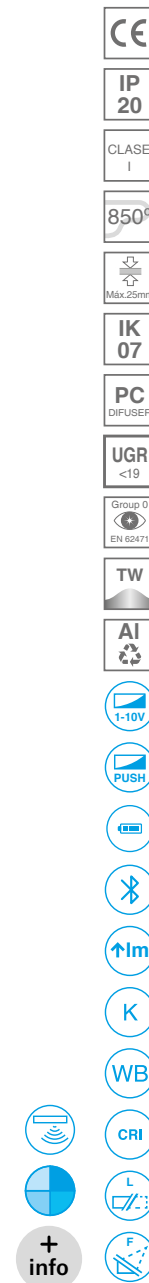
Family	Installation	Formats	Lm LED/m	Optic	CRI	K	Gear	Finishes
<b>F41</b>	<b>SF</b> Surface	<b>112</b> 1120mm	<b>M0</b> 2320lm	<b>IP</b> Dir./Ind Opal Comfort	<b>8</b> 80	<b>TW</b> Tunable White	<b>D</b> DALI	<b>B</b> Black 02
		<b>168</b> 1680mm						<b>W</b> White 02
		<b>224</b> 2240mm						<b>G</b> Grey 01
<b>F41</b>	<b>SF</b>	<b>112</b>	<b>M0</b>	<b>IP</b>	<b>8</b>	<b>TW</b>	<b>D</b>	<b>B</b>

Example: **F41 SF 112 M0 IP 8 TW D B**

### FIL 45 DIRECT-INDIRECT TW WB

Family	Installation	Formats	Lm LED/m	Optic	CRI	K	Gear	Finishes
<b>F41</b>	<b>SF</b> Surface	<b>112</b> 1120mm	<b>M0</b> 2320lm	<b>IP</b> Dir./Ind Opal Comfort	<b>8</b> 80	<b>WBT</b> Tunable White WB	<b>D</b> DALI	<b>B</b> Black 02
		<b>168</b> 1680mm						<b>W</b> White 02
<b>F41</b>	<b>SF</b>	<b>112</b>	<b>M0</b>	<b>IP</b>	<b>8</b>	<b>WBT</b>	<b>D</b>	<b>B</b>

Example: **F41 SF 112 M0 IP 8 WBT D B**



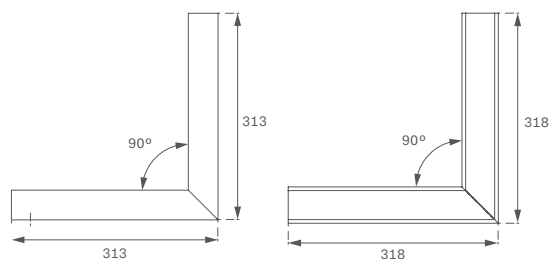
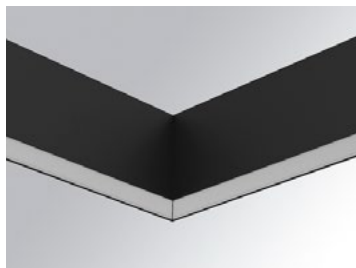
## Fil 45

Indoor



## Fil 45

Corner



### FIL 45 CORNER

Family	Installation	Formats	Lm LED/m	Optic	CRI	K	Gear	Finishes
<b>F41</b>	<b>SF</b> Surface <b>RE</b> Recessed	<b>CR</b> Corner	<b>M0</b> 2320lm	<b>OP</b> Opal <b>PR</b> Opal Comfort	<b>8</b> 80	<b>30</b> 3000 K <b>40</b> 4000 K	<b>N</b> ON/OFF <b>D</b> DALI	<b>B</b> Black 02 <b>W</b> White 02 <b>G</b> Grey 01
<b>F41</b>	<b>SF</b>	<b>CR</b>	<b>M0</b>	<b>OP</b>	<b>8</b>	<b>30</b>	<b>N</b>	<b>B</b>

Example: **F41 SF CR M0 OP 8 30 N B**

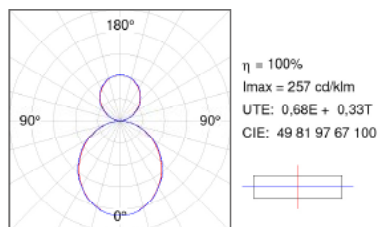




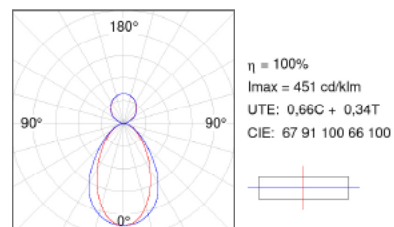
## TECHNICAL CHARACTERISTICS

### Optics

#### IO



#### IP



### Light output and power

#### FIL 45 DIRECT INDIRECT

			840mm				1120mm		1400mm		1680mm		1960mm		2240mm	
		K	CRI	W	lm Output	W	lm Output	W	lm Output	W	lm Output	W	lm Output	W	lm Output	
MO	OP	IND	3000	80	2 597	2	796	2	995	2	1193	2	1392	2	1591	
		DIR		80	12 1242	16	1656	19	2070	23	2484	27	2898	31	3312	
	PR	IND	4000	80	2 617	2	823	2	1028	2	1234	2	1440	2	1645	
		DIR		80	12 1302	16	1736	19	2170	23	2604	27	3038	31	3472	
		IND	3000	80	2 597	2	796	2	995	2	1193	-	-	-	-	
		DIR		80	12 1160	16	1547	19	1933	23	2319	-	-	-	-	
	IND	4000	80	2 617	2	823	2	1028	2	1234	-	-	-	-		
	DIR		80	12 1218	16	1624	19	2030	23	2437	-	-	-	-		

# Fil 45

Indoor



## ACCESSORIES

### End cover Surface



**Ref.**

F4SUECB  
F4SUECW  
F4SUECG

**Color**



### Surface Profile max. 3m



**Ref.**

F4PRSUX/MMB  
F4PRSUX/MMW  
F4PRSUX/MMG

**Color**



### End cover Recessed



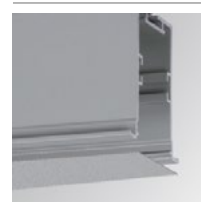
**Ref.**

F4REECB  
F4REECW  
F4REECG

**Color**



### Recessed Profile max. 3m



**Ref.**

F4PRREX/MMB  
F4PRREX/MMW  
F4PRREX/MMG

**Color**



### Cover max. 3m



**Ref.**

F4COX/MMB  
F4COX/MMW  
F4COX/MMG

**Color**



### Opal polycarbonate diffuser max. 3m



**Ref.**

F4DIX/MMOP

**Color**



# Fil 45

Indoor



## ACCESSORIES

### Height-adjustable steel cable



Ref.	Color	h(mm)
F4SUWIDE1000G	●	1000
F4SUWIDE4000G	●	4000
Quick anchorage		

### Height-adjustable steel cable for electromechanical connection (3 or 5xø1,5)



Ref.	Color	h(mm)
F4SUCAEMFA1000NB	●	1000
F4SUCAEMFA1000NW	○	1000
F4SUCAEMFA1000NG	●	1000
F4SUCAEMFA4000NB	●	4000
F4SUCAEMFA4000NW	○	4000
F4SUCAEMFA4000NG	●	4000
DALI		
F4SUCAWI1000DB	●	
F4SUCAWI1000DW	○	
F4SUCAWI1000DG	●	
F4SUCAWI4000DB	●	
F4SUCAWI4000DW	○	
F4SUCAWI4000DG	●	
Quick anchorage		

### Set of 2 fixings for joint 2 unit/ref.



Ref.	Surface
F4J0	Surface
F4REJ0	Recessed

### Short ceiling bracket joint 2 unit/ref.



Ref.
F4FX15G

### Accessory for reflector extraction



Ref.
F4TORFX

### Wall bracket



Ref.	Color
F4FX50G	●
F4FX50B	●
F4FX50W	○

**Fil 45**  
Indoor

