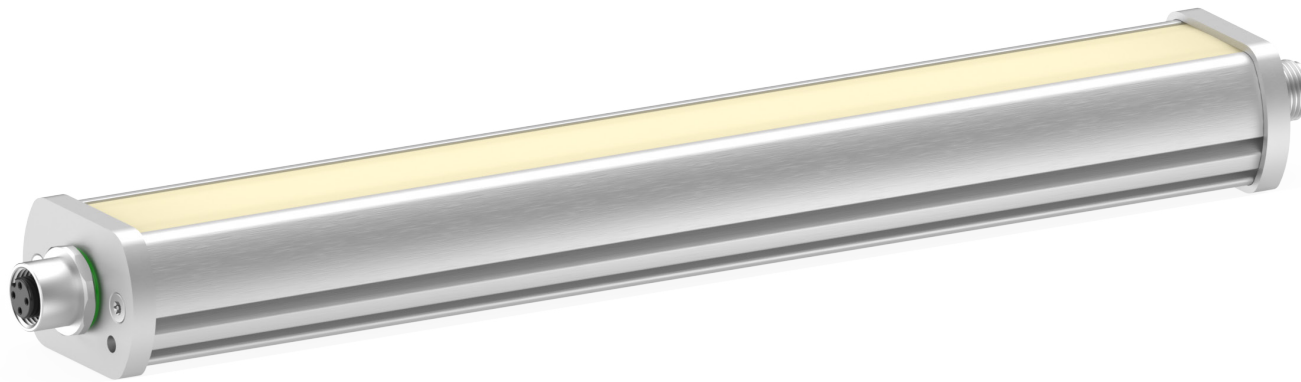








# Functional · FRX Series White 3000K

lumher



<b>24 V</b> DC	<b>125</b> lm/W	 CASCADABLE	 75 mm INCREMENTAL	 FUNCTIONAL	<b>CABLE</b> M12A
POWER 1x ECO 0.5x	<b>IP40</b> <b>IP65</b>	 PWM DIMABLE	 CLASS III	<b>36</b> MONTHS	 MADE IN SPAIN

## Technical specifications

Power supply voltage	24 Vdc ±5%	
Luminous efficiency	125 lm/W	
PWM regulation (Max 25 KHz)	min. 0%	max. 100%
Wavelength	Warm white	3000K
Angle of aperture	Semidiffuse Ultradiffuse	60° 110°
Max. number of cascadable modules	Power: 37	Eco: 74
Electrical protections	Transient overvoltages Polarity reversal Current stabilizer	YES YES YES
Colour Rendering Index (CRI)	≥ 90	
IP Rating	IP40 or IP65	
Protection type	Class III	
Operating temperature	POWER version ECO version	-10 a +40 °C -10 a +50° C
Body material	Anodized aluminum	
Side cover material	Anodized aluminum	
Diffuser material	Polycarbonate	
Connection types	M12A, 2m cable, M12A connector with cable	
Standards	RoHs, CE	

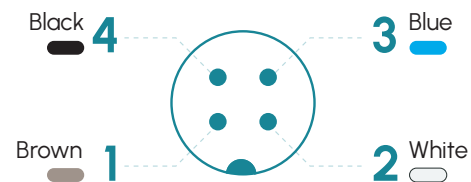
(1) The number representing the length of the luminaire is the number of modules it has.

## Connection

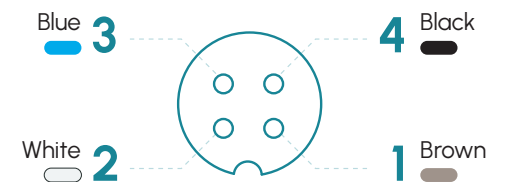
Input M12A - Cable	Power	Eco	Dual
Pin 1 - Brown	+24 Vdc	+24 Vdc	+24 Vdc
Pin 2 - White	Not connected	Not connected	24 Vdc = Power 0 Vdc = Eco
Pin 3 - Blue	0 Vdc	0 Vdc	0 Vdc
Pin 4 - Black	Not connected	Not connected	Not connected

Output M12A	Power	Eco	Dual
Pin 1 - Brown	+24 Vdc	+24 Vdc	+24 Vdc
Pin 2 - White	No signal	No signal	Same as Pin 2 input
Pin 3 - Blue	0 Vdc	0 Vdc	0 Vdc
Pin 4 - Black	No signal	No signal	No signal

### M12A Male



### M12A Female



## Fixings

F00G2, F00G4, F00R1, M6D16

# FRX · 3000K

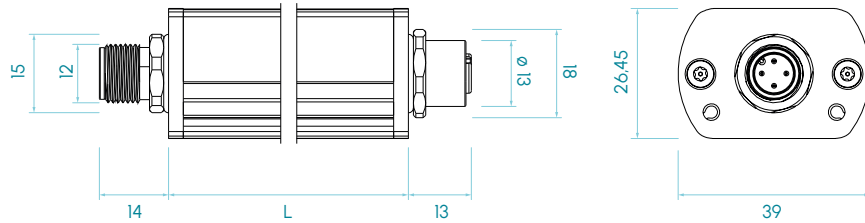


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## Measures

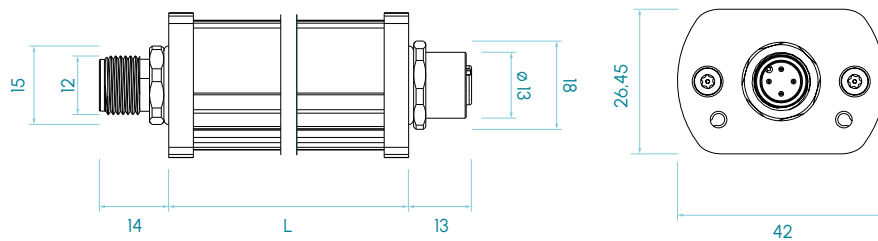
IP40

M12A axial version



IP65

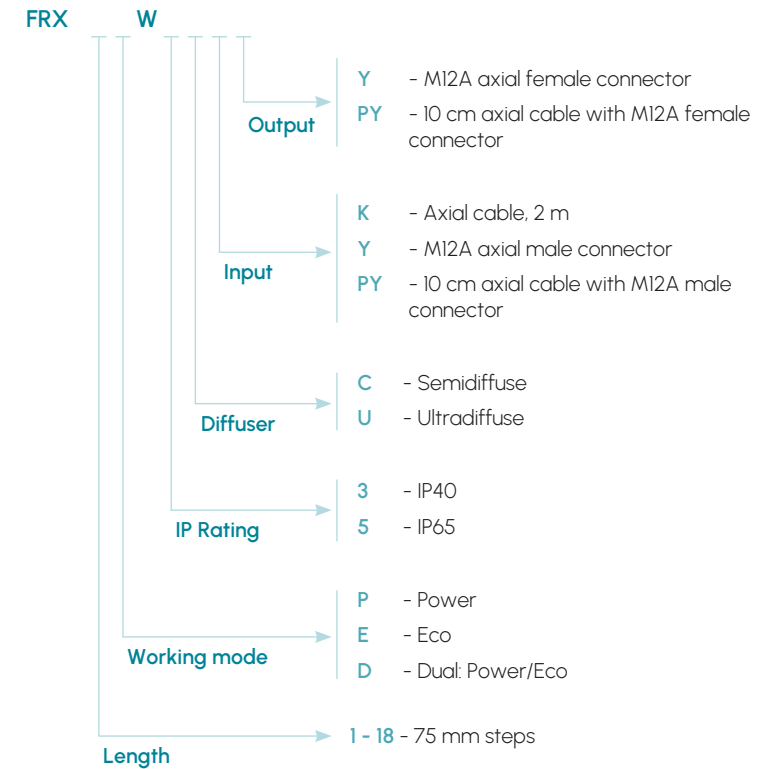
M12A axial version



Measures in mm

# FRX · 3000K

## Selection guide



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# FRX Series · Warm white 3000K



FRX

**3000K**

WARM WHITE

SEMIDIFFUSE  
60°

ULTRADIFFUSE  
110°

PHOTOBIOLOGICAL  
RISK

RG1 - LOW

**60.000h**

LIFESPAN

Table of characteristics

	Length L1 (mm)	Weight (g)	Iluminancia Ev (lx) @ 1 m				Luminous flux <sup>(2)</sup> (lm)		Power consumed (W)	
			SEMIDIFFUSE		ULTRADIFFUSE		POWER	ECO	POWER	ECO
			POWER	ECO	POWER	ECO				
FRX 01...	105	224	65	37	39	22	278	139	2,4	1,2
FRX 02...	180	344	130	74	77	44	557	278	4,8	2,4
FRX 03...	255	464	195	110	116	66	835	418	7,2	3,6
FRX 04...	330	584	260	147	155	88	1.114	557	9,6	4,8
FRX 05...	405	704	324	184	194	110	1.392	696	12,0	6,0
FRX 06...	480	824	389	221	232	132	1.670	835	14,4	7,2
FRX 07...	555	944	454	258	271	154	1.949	974	16,8	8,4
FRX 08...	630	1.064	519	295	310	176	2.227	1.114	19,2	9,6
FRX 09...	705	1.184	584	331	349	198	2.506	1.253	21,6	10,8
FRX 10...	780	1.304	649	368	387	220	2.784	1.392	24,0	12,0
FRX 11...	855	1.424	714	405	426	242	3.062	1.531	26,4	13,2
FRX 12...	930	1.544	779	442	465	263	3.341	1.670	28,8	14,4
FRX 13...	1.005	1.664	844	479	504	285	3.619	1.810	31,2	15,6
FRX 14...	1.080	1.784	908	515	542	307	3.898	1.949	33,6	16,8
FRX 15...	1.155	1.904	973	552	581	329	4.176	2.088	36,0	18,0
FRX 16...	1.230	2.024	1.038	589	620	351	4.454	2.227	38,4	19,2
FRX 17...	1.305	2.144	1.103	626	659	373	4.733	2.366	40,8	20,4
FRX 18...	1.380	2.264	1.168	663	697	395	5.011	2.506	43,2	21,6

(2) The luminous flux (lm) is before the diffuser