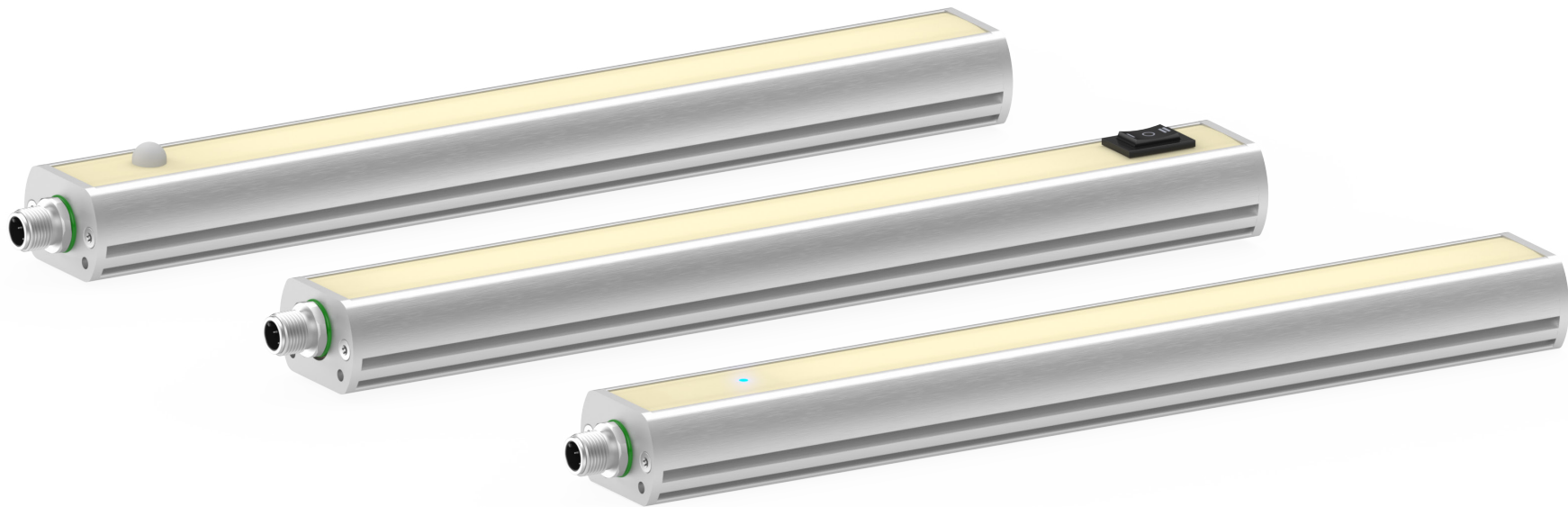


Functional · FRS Series White 3000K

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24 V
DC

125
lm/W

NOT
CASCADABLE

75 mm
INCREMENTAL

FUNCTIONAL

TACTILE

PIR

SWITCH

POWER 1x
ECO 0,5x

IP40

PWM
DIMABLE

CABLE
M12A

CLASS III

36
MONTHS

MADE IN SPAIN

Technical specifications

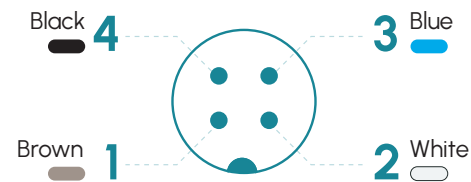
Power supply voltage	24 Vdc \pm 5%	
Luminous efficiency	125 lm/W	
Motion sensor disconnection delay (PIR)	5 min.	
Wavelength	Warm white	3000K
Beam angle	Semidiffuse Ultradiffuse	60° 110°
Max. number of cascable modules	This luminaire is not cascable	
Electrical protections	Transient overvoltages	YES
	Polarity reversal	YES
	Current stabilizer	YES
Colour Rendering Index (CRI)	\geq 90	
IP Rating	IP40	
Protection type	Class III	
Operating temperature	POWER version	-10°C to +40°C
	ECO version	-10°C to +50°C
Storage temperature	0°C a +60°C	
Max. relative humidity	80% (without condensation)	
Body material	Anodized aluminum	
Side cover material	Anodized aluminum	
Diffuser material	Polycarbonate	
Connection types	M12A, 2m cable, M12A connector with cable	
Standards	RoHs, CE	

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 ⁽¹⁾	24 Vdc = Power on 0 Vdc = Switched on by motion sensor or touch sensor		

(1) Pin 4 is not connected in the switch version

M12A Male



Fixings

F00G2, F00G4, F00R1, M6D16

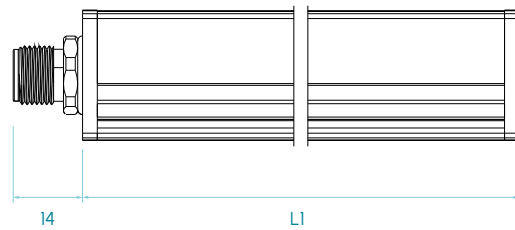
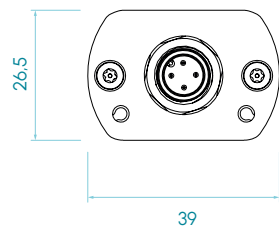
FRS · 3000K



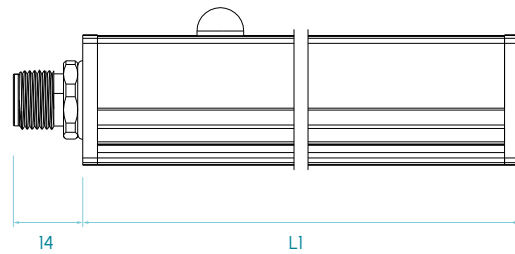
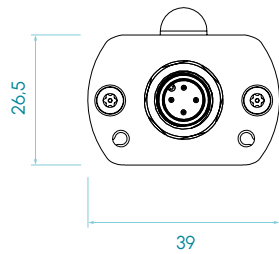
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Measures

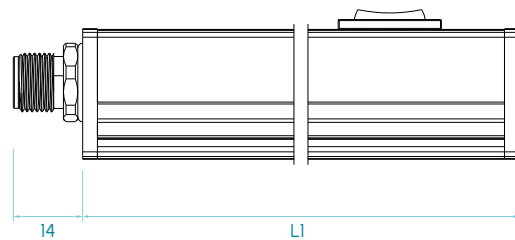
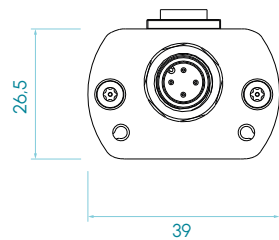
Tactile sensor + M12A axial input



Motion sensor + M12A axial input



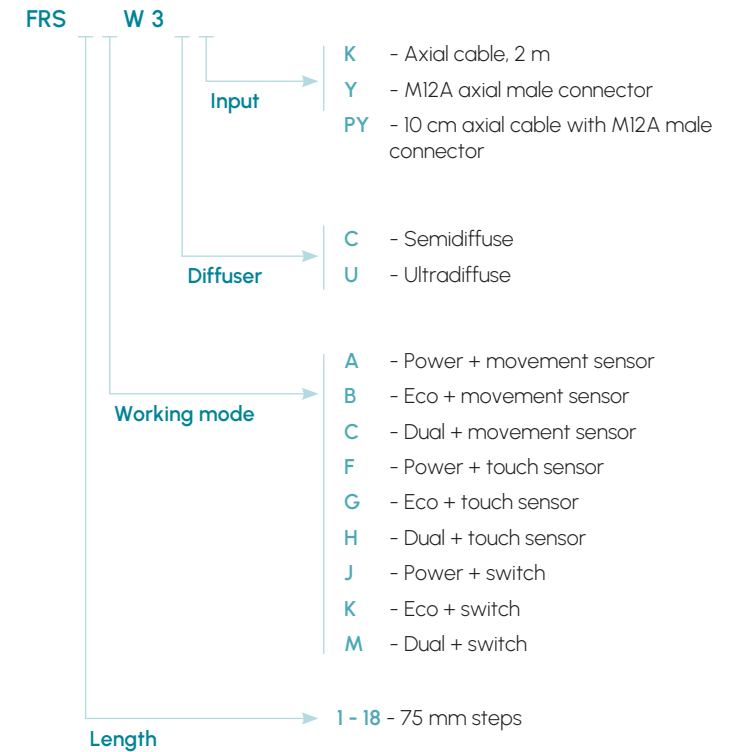
Switch + M12A radial input



Measures in mm

FRS · 3000K

Selection guide

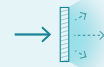


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FRS Series · Warm white 3000K

3000K

WARM WHITE



SEMIDIFFUSE
60°



ULTRADIFFUSE
110°

PHOTOBIOLOGICAL
RISK

RG1 - LOW

60.000h

LIFESPAN

Table of characteristics



	Length L1 (mm)	Weight (g)	Illuminance Ev (lx) @ 1 m				Luminous flux ⁽¹⁾ (lm)		Power consumed (W)	
			SEMIDIFFUSE		ULTRADIFFUSE		POWER	ECO	POWER	ECO
			POWER	ECO	POWER	ECO				
FRS 01...	140	240	65	37	39	22	278	139	2,4	1,2
FRS 02...	215	280	130	74	77	44	557	278	4,8	2,4
FRS 03...	290	320	195	110	116	66	835	418	7,2	3,6
FRS 04...	365	360	260	147	155	88	1.114	557	9,6	4,8
FRS 05...	440	400	324	184	194	110	1.392	696	12,0	6,0
FRS 06...	515	440	389	221	232	132	1.670	835	14,4	7,2
FRS 07...	590	480	454	258	271	154	1.949	974	16,8	8,4
FRS 08...	665	520	519	295	310	176	2.227	1.114	19,2	9,6
FRS 09...	740	560	584	331	349	198	2.506	1.253	21,6	10,8
FRS 10...	815	600	649	368	387	220	2.784	1.392	24,0	12,0
FRS 11...	890	640	714	405	426	242	3.062	1.531	26,4	13,2
FRS 12...	965	680	779	442	465	263	3.341	1.670	28,8	14,4
FRS 13...	1.040	720	844	479	504	285	3.619	1.810	31,2	15,6
FRS 14...	1.115	760	908	515	542	307	3.898	1.949	33,6	16,8
FRS 15...	1.190	800	973	552	581	329	4.176	2.088	36,0	18,0
FRS 16...	1.265	840	1.038	589	620	351	4.454	2.227	38,4	19,2
FRS 17...	1.340	880	1.103	626	659	373	4.733	2.366	40,8	20,4
FRS 18...	1.415	920	1.168	663	697	395	5.011	2.506	43,2	21,6

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

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