

Functional · FR Series White 3000K - Sensor · Switch

lumher



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

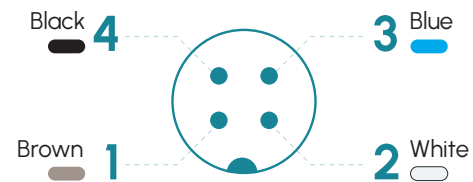
Power supply voltage	24 Vdc \pm 5%	
Luminous efficiency	125 lm/W	
Motion sensor disconnection delay (PIR)	5 min.	
Wavelength	Warm white	3000K
Angle of aperture	Semidiffuse	60°
	Ultradiffuse	110°
Max. number of cascable modules	This luminaire is not cascable	
Electrical protections	Transient overvoltages	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 a +40 °C
	ECO version	-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	

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



Anchors

F00G2, F00G4, F00R1, M6D16

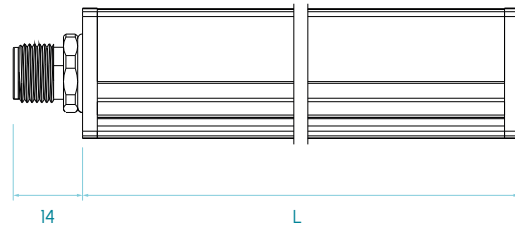
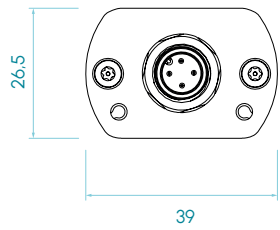
FR · 3000K



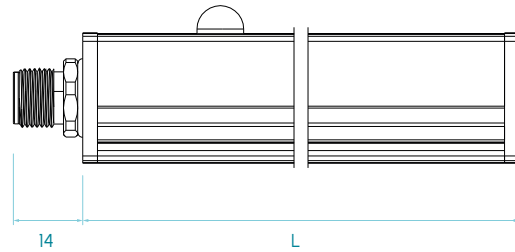
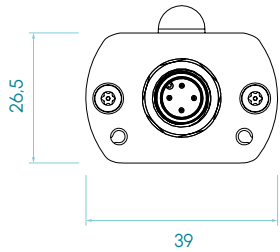
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Dimensiones

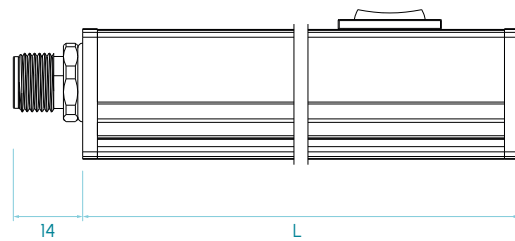
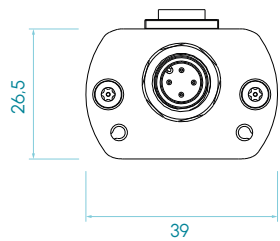
Tactile sensor + M12A axial input



Motion sensor + M12A axial input



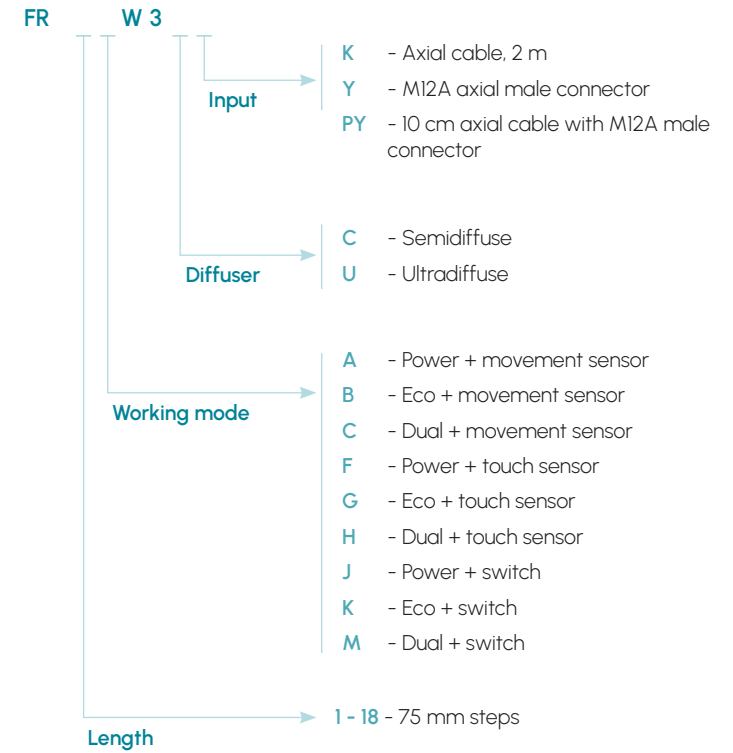
Switch + M12A radial input



Dimensions in mm

FR · 3000K

Selection guide




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FR Series · Warm white 3000K Sensor · Switch

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