Linear · FD Series Red 625 nm

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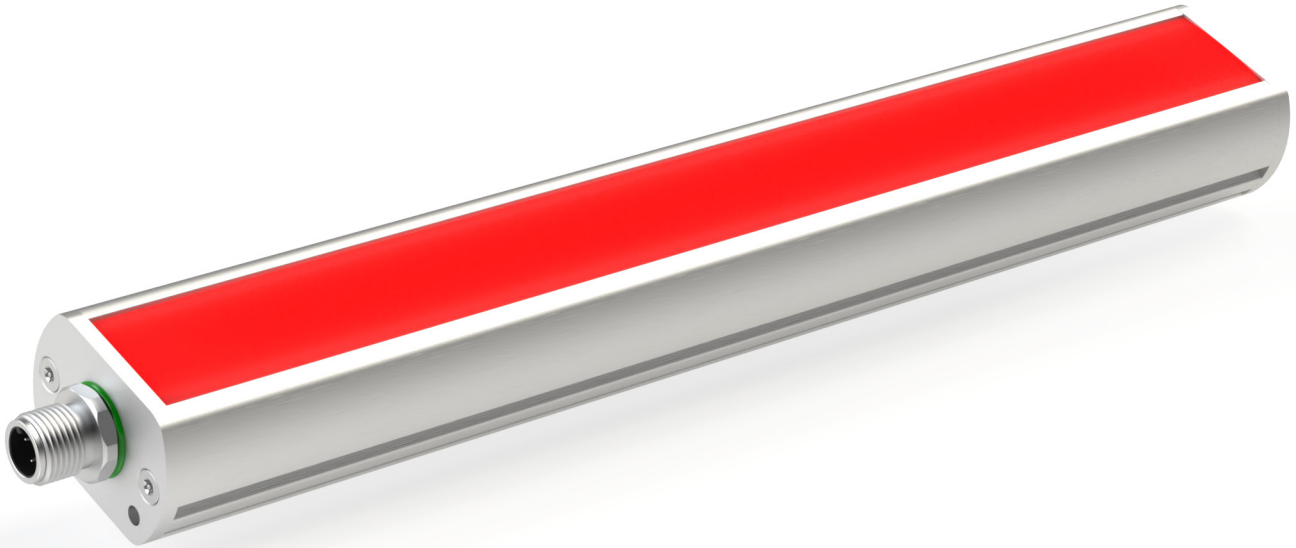

24 V
DC

MASTER
SLAVE

NOT
CASCADABLE

90 mm
INCREMENTAL

CABLE
M12A

MACHINE VISION

CONTINUOUS 1x
STROBE 2x

INTEGRATED
CONTROLLER

POLARIZED

IP40
IP65

36
MONTHS

EU
MADE IN SPAIN

Technical specifications

Power supply voltage	24 Vdc ±5%	
Trigger input	24 Vdc PNP / NPN	
Max. on time	Continuous = unlimited	Strobe = 10 ms
Max. working cycle	Continuous = 1	Strobe = 1/6
Max. consumption Trigger input	1,5 mA	
Max. number of cascadable modules	This luminaire is not cascadable	
Wavelength	Red	625 nm
Beam angle	Semidiffuse Ultradiffuse	60° 110°
Electrical protections	Transient overvoltages Polarity reversal Current sabilizer	YES YES YES
IP Rating	IP40 o IP65	
Protection type	Class III	
Operating temperature	-10 °C to +40 °C	
Storage temperature	0°C to +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

M12A input - Cable	Continuous	Master Continuous - Strobe	Slave Continuous - Strobe
Pin 1 - Brown	+24 Vdc	+24 Vdc	+24 Vdc
Pin 2 - White	Not connected	Trigger NPN	Not connected
Pin 3 - Blue	0 Vdc	0 Vdc	0 Vdc
Pin 4 - Black	Not connected	Trigger PNP	Signal IN - a

M12A Male

Fixings

F01G1, F00R1, M6D16

FD · 625 nm

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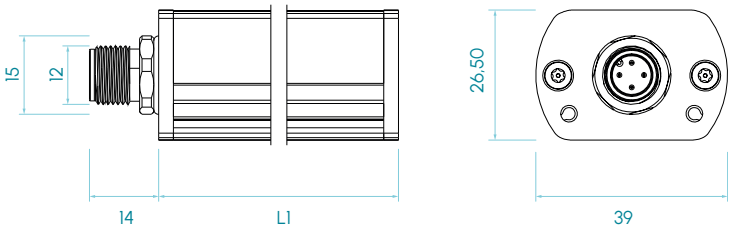
Measures

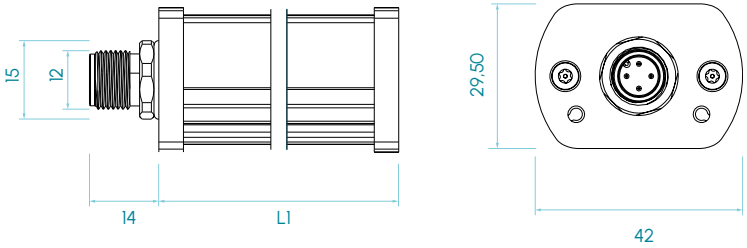
IP40

M12A axial version



IP65

M12A axial version



Measures in mm

Selection guide

FD **R**

Input
- K - Axial Cable, 2 m
- Y - M12A axial male connector
- PY - 10 cm axial cable with M12A male connector

Diffuser
- C - Semidiffuse
- U - Ultradiffuse
- M - Semidiffuse Polarized (1)
- G - Ultradiffuse Polarized (1)

IP Rating
- 3 - IP40
- 5 - IP65

Working mode
- P - Continuous
- Z - Master Cont. - Strobe
- X - Slave Cont. - Strobe

Length
- 1 - 15 - 90 mm steps

(1) Polarized Light versions are only available from FD01 to FD06.

FD · 625 nm

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Model FD · Red 625 nm

625nm
RED

SEMIDIFFUSE
60°

ULTRADIFFUSE
110°

PHOTOBIOLOGICAL RISK
RG1 - LOW

60.000h
LIFESPAN

Table of characteristics

	Length L1 (mm)	Weight (g)	Luminous flux [2] (lm)		Power consumed (W)	
			CONT.	STROBE	CONT.	STROBE
FD 01...	120	256	194	388	3,8	7,6
FD 02...	210	448	388	775	7,6	15,2
FD 03...	300	640	581	1.163	11,4	22,8
FD 04...	390	832	775	1.550	15,2	30,4
FD 05...	480	1.024	969	1.938	19,0	38,0
FD 06...	570	1.216	1.163	2.326	22,8	45,6
FD 07...	660	1.408	1.357	2.713	26,6	53,2
FD 08...	750	1.600	1.550	3.101	30,4	60,8
FD 09...	840	1.792	1.744	3.488	34,2	68,4
FD 10...	930	1.984	1.938	3.876	38,0	76,0
FD 11...	1.020	2.176	2.132	4.264	41,8	83,6
FD 12...	1.110	2.368	2.326	4.651	45,6	91,2
FD 13...	1.200	2.560	2.519	-	49,4	-
FD 14...	1.290	2.752	2.713	-	53,2	-
FD 15...	1.380	2.944	2.907	-	57,0	-

(2) Luminous flux (lm) is before diffuser.

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