Linear · PD Series White 5000K

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24 V
DC

MASTER
SLAVE

NOT
CASCADABLE

90 mm
INCREMENTAL

CABLE
M12A

MACHINE VISION

CONTINUOUS 1x
STROBE 4x

INTEGRATED
CONTROLLER

POLARIZED

IP40
IP65

36
MONTHS

EU
MADE IN SPAIN

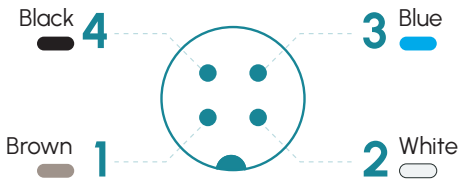
Technical specifications

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	White	5000 K
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

P01G1, P00R1, P00R2, P00R3, P00R4, M6D16

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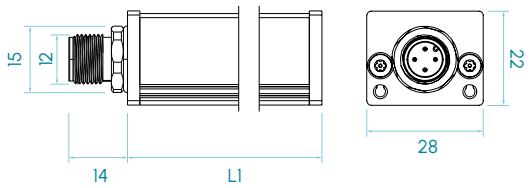
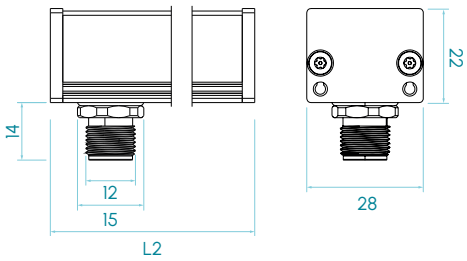
Measures

IP40

M12A axial version

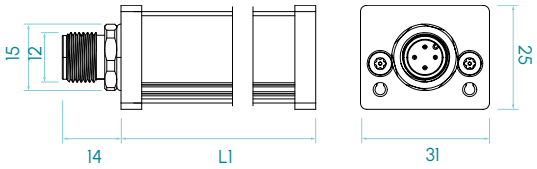


M12A radial version

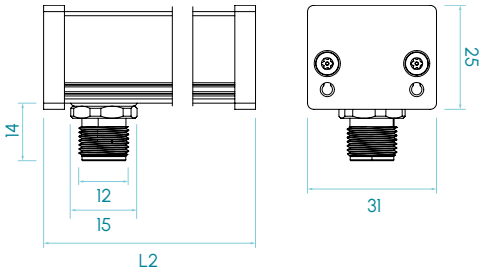


IP65

M12A axial version



M12A radial version



Measures in mm

PD · 5000K

Selection guide

PD D

Input

- K - Axial Cable, 2 m
- KL - Radial Cable, 2 m
- Y - M12A axial male connector
- YL - M12A radial male connector
- PY - 10 cm axial cable with M12A male connector
- RY - 10 cm radial cable with M12A male connector

Diffuser

- C - Semidiffuse
- U - Ultradiffuse
- M - Semidiffuse Polarized (1) (2)
- G - Ultradiffuse Polarized (1) (2)

IP Rating

- 3 - IP40
- 5 - IP65

Operation 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 PD01 to PD06.
(2) The use of a polarizing filter in continuous operation and white lighting is not recommended due to fast degradation of the filter.

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Model PD · White 5000K

PD

5000K
WHITE

SEMIDIFFUSE 60°

ULTRADIFFUSE 110°

PHOTOBIOLOGICAL RISK
RG1 - LOW

60.000h
LIFESPAN

Table of characteristics

	Length L1 (3) (mm)	Length L2 (3) (mm)	Weight (g)	Luminous flux (4) (lm) CONT.	Luminous flux (4) (lm) STROBE	Power consumed (W) CONT.	Power consumed (W) STROBE
PD 01...	120	138	97	304	1.216	1,9	7,6
PD 02...	210	228	145	608	2.432	3,8	15,2
PD 03...	300	318	193	912	3.648	5,7	22,8
PD 04...	390	408	241	1.216	4.864	7,6	30,4
PD 05...	480	498	289	1.520	6.080	9,5	38,0
PD 06...	570	588	337	1.824	7.296	11,4	45,6
PD 07...	660	678	385	2.128	8.512	13,3	53,2
PD 08...	750	768	433	2.432	9.728	15,2	60,8
PD 09...	840	858	481	2.736	10.944	17,1	68,4
PD 10...	930	948	529	3.040	12.160	19,0	76,0
PD 11...	1.020	1.038	577	3.344	13.376	20,9	83,6
PD 12...	1.110	1.128	625	3.648	14.592	22,8	91,2
PD 13...	1.200	1.218	673	3.952	-	24,7	-
PD 14...	1.290	1.308	721	4.256	-	26,6	-
PD 15...	1.380	1.398	769	4.560	-	28,5	-

(3) Versions with radial input and/or radial output will have as length L2, the rest will be L1.
(4) The luminous flux (lm) is before diffuser.

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