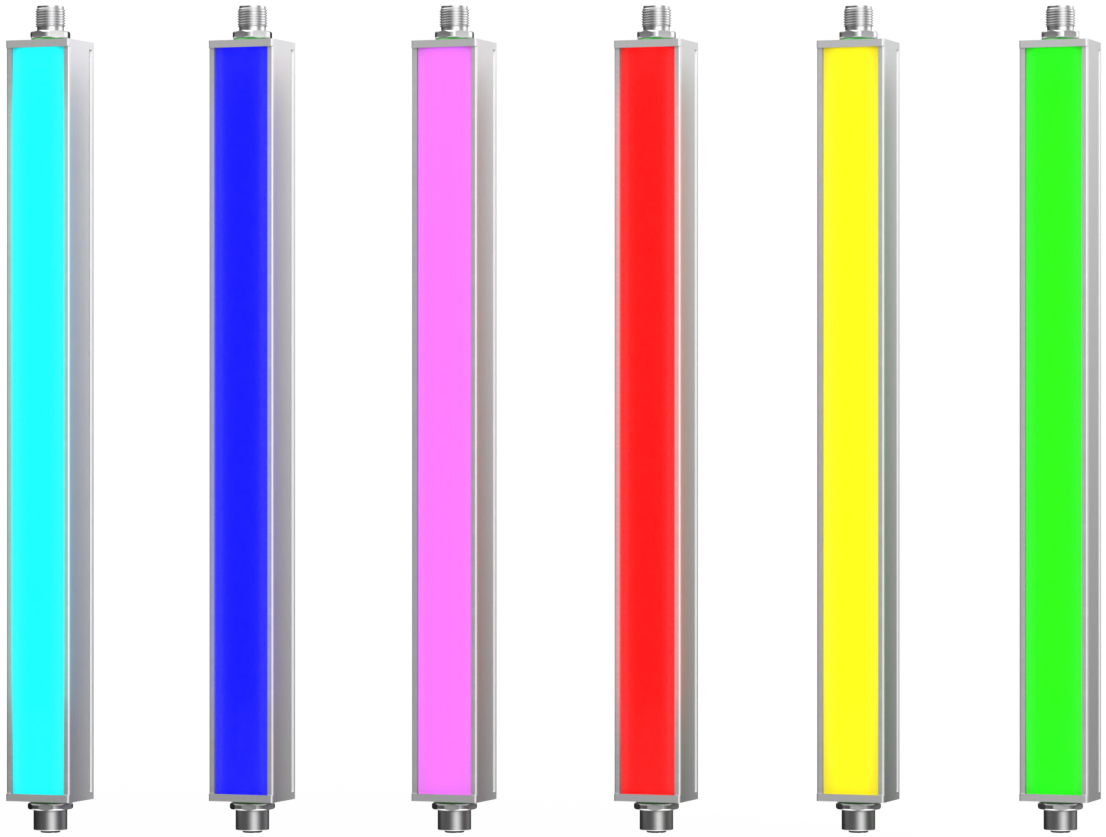
Linear · PDX Series RGB



24 V
DC

PWM
DIMABLE

CASCADABLE

90 mm
INCREMENTAL

CABLE
M12A

POLARIZED

RGB

MACHINE VISION

SIGNALING

IP40
IP65

36
MONTHS

EU
MADE IN SPAIN

III
CLASS III

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Technical specifications

Power supply voltage	24 Vdc ±5%	
Polarity	Positiva PNP (common: 0 Vdc)	
PWM regulation (Max 25 KHz)	min. 0%	max. 100%
Max. number of cascadable modules	44 modules	
Electrical protections	Transient overvoltages Polarity reversal Current sabilizer	YES YES YES
Beam angle	Semidiffuse Ultradiffuse	60° 110°
Wavelength	R = 625 nm G = 520 nm B = 465 nm	
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	

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

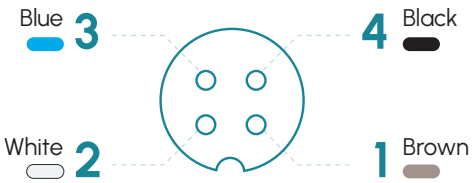
Connection

M12A input - Cable	Power
Pin 1 - Brown	+24 Vdc (Green)
Pin 2 - White	+24 Vdc (Blue)
Pin 3 - Blue	0 Vdc
Pin 4 - Black	+24 Vdc (Red)

Output M12A - Cable	Power
Pin 1 - Brown	+24 Vdc (Green)
Pin 2 - White	+24 Vdc (Blue)
Pin 3 - Blue	0 Vdc
Pin 4 - Black	+24 Vdc (Red)

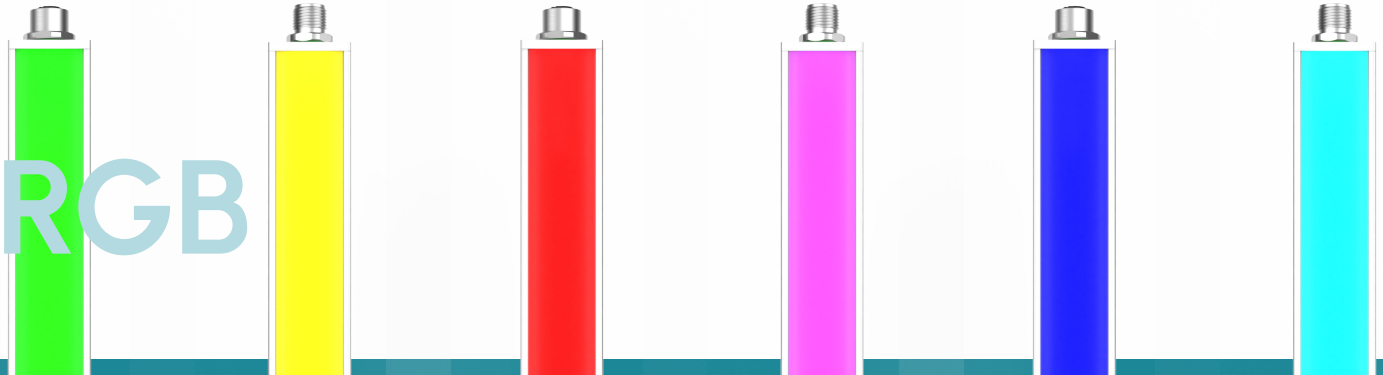
M12A Male

M12A Female



Fixings

P01G1, P00R1, P00R2, P00R3, P00R4, M6D16



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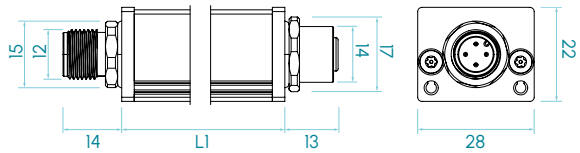
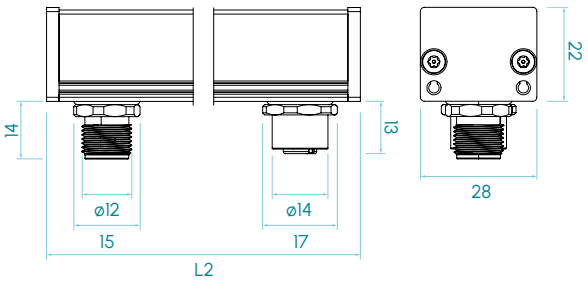
Measures

IP40

M12A axial version

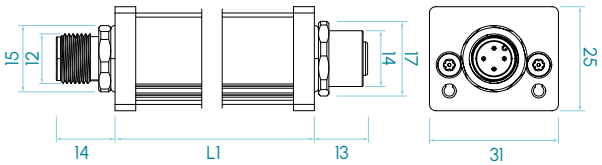


M12A radial version

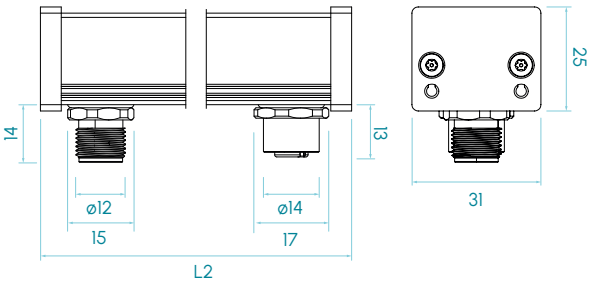


IP65

M12A axial version



M12A radial version



Measures in mm

PDX · RGB

Selection guide

PDX P Q

Output

- Y - M12A axial female connector
- YL - M12A radial female connector
- PY - 10 cm axial cable with M12A female connector
- RY - 10 cm radial cable with M12A female connector

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
- G - Ultradiffuse Polarized

IP Rating

- 3 - IP40
- 5 - IP65

Length

- 1 - 15 - 90 mm steps

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Model PDX · RGB

RGB

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) R	G	B	Power consumed (W)
PDX 01...	120	138	97	10	26	7	1,8
PDX 02...	210	228	145	19	52	14	3,6
PDX 03...	300	318	193	29	77	22	5,4
PDX 04...	390	408	241	38	103	29	7,2
PDX 05...	480	498	289	48	129	36	9,0
PDX 06...	570	588	337	58	155	43	10,8
PDX 07...	660	678	385	67	181	50	12,6
PDX 08...	750	768	433	77	206	58	14,4
PDX 09...	840	858	481	86	232	65	16,2
PDX 10...	930	948	529	96	258	72	18,0
PDX 11...	1.020	1.038	577	106	284	79	19,8
PDX 12...	1.110	1.128	625	115	310	86	21,6
PDX 13...	1.200	1.218	673	125	335	94	23,4
PDX 14...	1.290	1.308	721	134	361	101	25,2
PDX 15...	1.380	1.398	769	144	387	108	27,0

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

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