

# Linear · PDX SERIES Infrared 850 nm

lumher



24 V  
DC

MASTER  
SLAVE

NOT  
CASCADABLE

90 mm  
INCREMENTAL

CABLE  
M12A

MACHINE VISION

POWER 1x  
STROBE 4x

INTEGRATED  
CONTROLLER

IP40  
IP65

36  
MONTHS

EU  
MADE IN SPAIN

## Technical specifications

Power supply voltage	24 Vdc ±5%	
Trigger input	24 Vdc PNP	
Max. on time	Power = unlimited	Strobe = 10 ms
Max. working cycle	Power = 1	Strobe = 1/6
Max. number of cascable modules <sup>(1)</sup>	Power = 96	Strobe = 24
Wavelength	Infrared	850 nm
Angle of aperture	Semidiffuse	60°
	Ultradiffuse	110°
Electrical protections	Transient overvoltages	YES
	Polarity reversal	YES
	Current sabilizer	YES
IP Rating	IP40 o IP65	
Protection type	Class III	
Operating temperature	-10 a +40 °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	

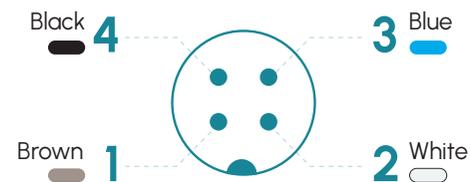
(1) The number representing the length of the luminaire is the number of modules it has.

## Connection

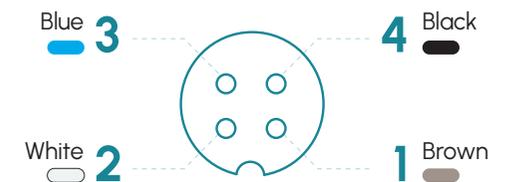
M12A input - Cable	Power	Master Power - Strobe	Slave Power - Strobe
Pin 1 - Brown	+24 Vdc	+24 Vdc	+24 Vdc
Pin 2 - White	Not connected	Not connected	Not connected
Pin 3 - Blue	0 Vdc	0 Vdc	0 Vdc
Pin 4 - Black	Not connected	Trigger PNP	Signal IN - a

M12A output	Power	Master Power - Strobe	Slave Power - Strobe
Pin 1 - Brown	+24 Vdc	+24 Vdc	+24 Vdc
Pin 2 - White	No signal	No signal	Not connected
Pin 3 - Blue	0 Vdc	0 Vdc	0 Vdc
Pin 4 - Black	No signal	Signal OUT - a	Signal OUT - a

### M12A Male



### M12A Female



## Fixings

P00G1 , P00G2, P00G3, P00R1, P00R2, P00R3, P00R4, M6D16

# PDX · 850 nm

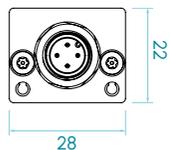
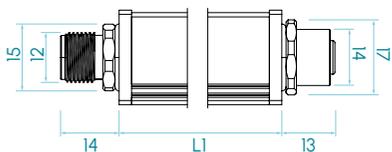


# lumher

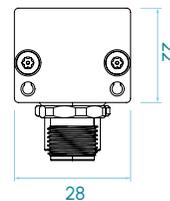
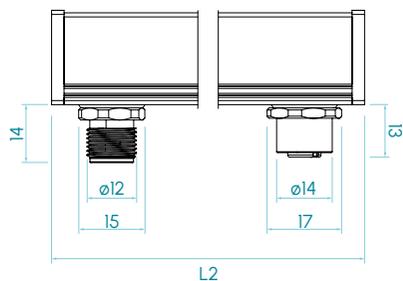
## Measures

### IP40

#### M12A axial version

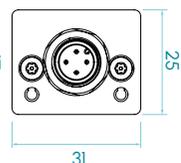


#### M12A radial version

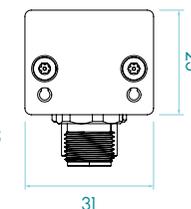
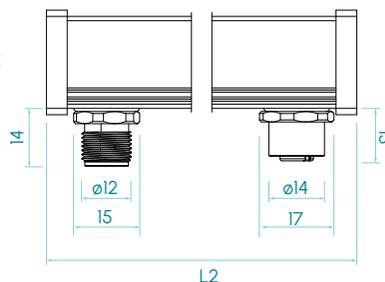


### IP65

#### M12A axial version



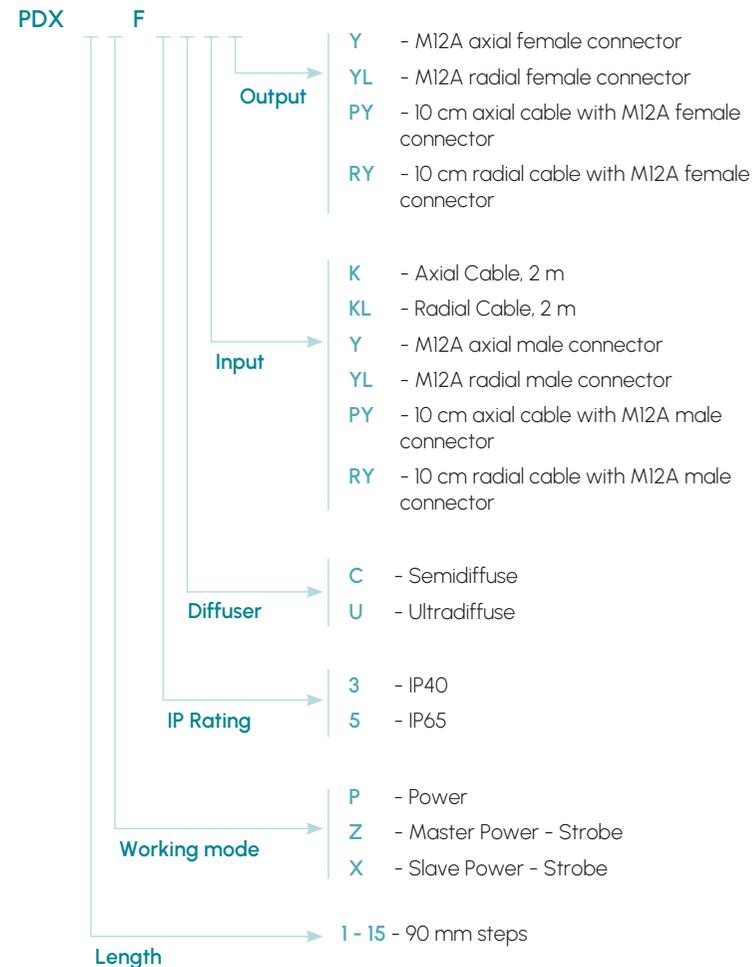
#### M12A radial version



Measures in mm

# PDX · 850 nm

## Selection guide



# Model PDX · Infrared 850 nm



**850nm**

INFRARED



SEMIDIFFUSE  
60°



ULTRADIFFUSE  
110°

PHOTOBIOLOGICAL  
RISK

RG1 - LOW

**60.000h**

LIFESPAN

## Table of characteristics

	Length	Length	Weight	Radiated power <sup>(3)</sup>		Power consumed	
	L1 <sup>(2)</sup>	L2 <sup>(2)</sup>		(W)		(W)	
	(mm)	(mm)		POWER	STROBE	POWER	STROBE
PDX 01...	120	138	97	0,4	1,6	1,0	4,0
PDX 02...	210	228	145	0,8	3,2	2,0	8,0
PDX 03...	300	318	193	1,2	4,8	3,0	12,0
PDX 04...	390	408	241	1,6	6,4	4,0	16,0
PDX 05...	480	498	289	2,0	8,0	5,0	20,0
PDX 06...	570	588	337	2,4	9,6	6,0	24,0
PDX 07...	660	678	385	2,8	11,2	7,0	28,0
PDX 08...	750	768	433	3,2	12,8	8,0	32,0
PDX 09...	840	858	481	3,6	14,4	9,0	36,0
PDX 10...	930	948	529	4,0	16,0	10,0	40,0
PDX 11...	1.020	1.038	577	4,4	17,6	11,0	44,0
PDX 12...	1.110	1.128	625	4,8	19,2	12,0	48,0
PDX 13...	1.200	1.218	673	5,2	20,7	13,0	52,0
PDX 14...	1.290	1.308	721	5,6	22,3	14,0	56,0
PDX 15...	1.380	1.398	769	6,0	23,9	15,0	60,0

(2) Versions with radial input and/or radial output will have as length L2, the rest will be L1.

(3) The radiated power (W) is before diffuser.

PDX

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