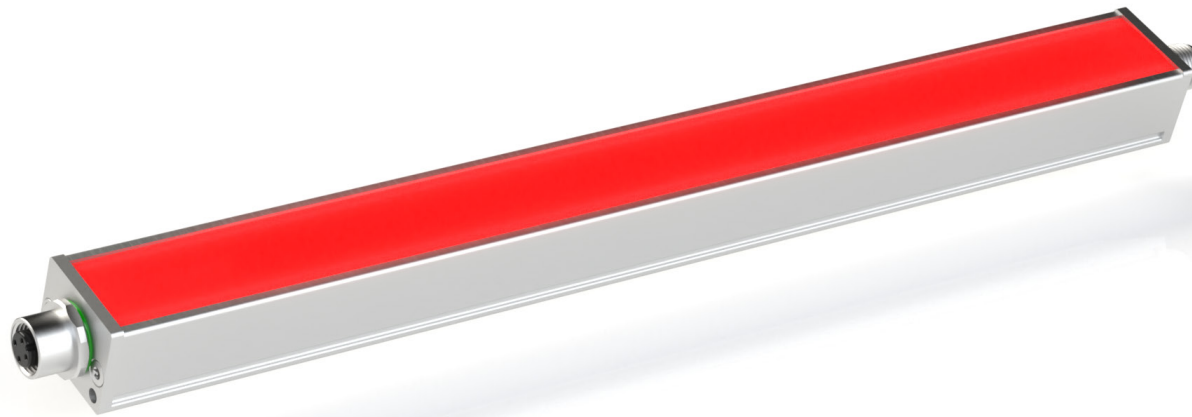


# Linear · PDX SERIES Red 625 nm

lumher

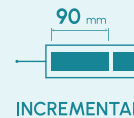


24 V  
DC

MASTER  
SLAVE



CASCADABLE



INCREMENTAL

CABLE  
M12A



MACHINE VISION

CONTINUOUS 1x  
STROBE 4x



INTEGRATED  
CONTROLLER



POLARIZED

IP40  
IP65

36  
MONTHS



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 | Power = 48                                                       | Strobe = 12       |
| Wavelength                        | Red                                                              | 625 nm            |
| Beam angle                        | Semidiffuse<br>Ultradiffuse                                      | 60°<br>110°       |
| Electrical protections            | Transient overvoltages<br>Polarity reversal<br>Current sabilizer | YES<br>YES<br>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                                                         |                   |

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

# Connection

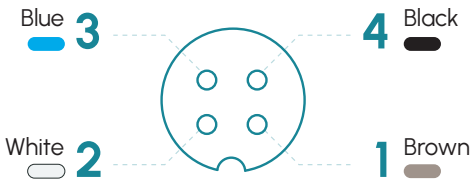
| M12A input - Cable | Continuous    | Master Continuous - Strobe | Slave Continuous - Strobe |
|--------------------|---------------|----------------------------|---------------------------|
| Pin 1 - Brown      | +24 Vdc       | +24 Vdc                    | +24 Vdc                   |
| Pin 2 - White      | 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 output   | Continuous    | Master Continuous - Strobe | Slave Continuous - 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 | Signal OUT - a             | Signal OUT - a            |

M12A Male



M12A Female



## Fixings

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

PDX · 625 nm

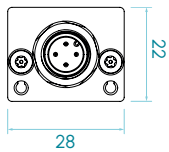
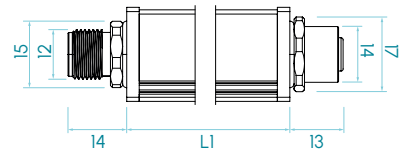


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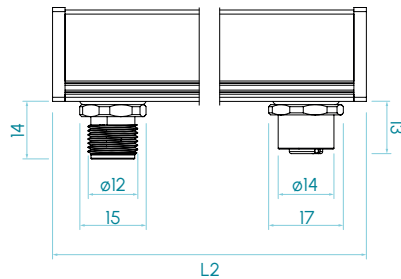
Measures

IP40

M12A axial version

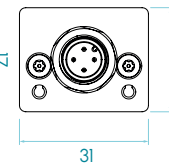
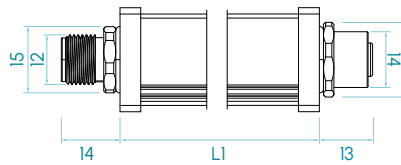


M12A radial version

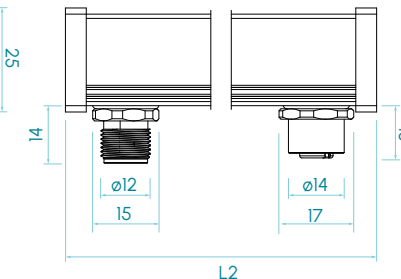


IP65

M12A axial version



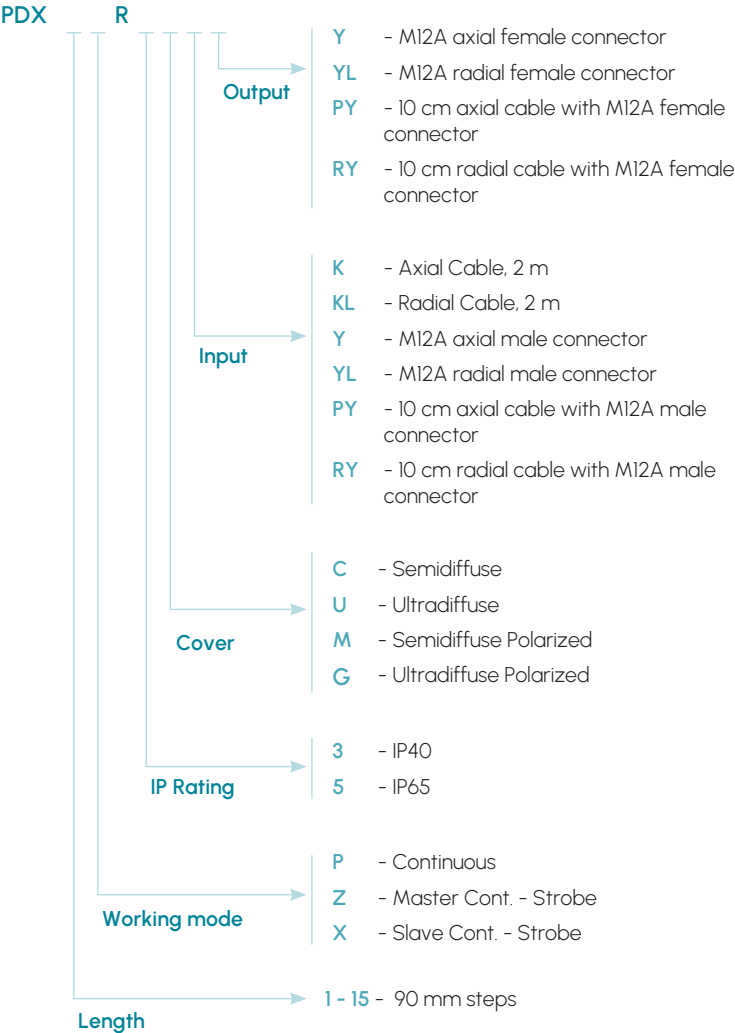
M12A radial version



Measures in mm

PDX · 625 nm

Selection guide



Model PDX · Red 625 nm



PDX

625nm  
RED

SEMIDIFFUSE  
60°

ULTRADIFFUSE  
110°

PHOTOBIOLOGICAL  
RISK  
RG1 - LOW

60.000h  
LIFESPAN

Table of characteristics

|           | Length            | Length            | Weight | Luminous flux <sup>(3)</sup> |        | Power consumed |        |
|-----------|-------------------|-------------------|--------|------------------------------|--------|----------------|--------|
|           | L1 <sup>(2)</sup> | L2 <sup>(2)</sup> | (g)    | (lm)                         |        | (W)            |        |
|           | (mm)              | (mm)              |        | CONT.                        | STROBE | CONT.          | STROBE |
| PDX 01... | 120               | 138               | 97     | 97                           | 388    | 1,9            | 7,6    |
| PDX 02... | 210               | 228               | 145    | 194                          | 775    | 3,8            | 15,2   |
| PDX 03... | 300               | 318               | 193    | 291                          | 1.163  | 5,7            | 22,8   |
| PDX 04... | 390               | 408               | 241    | 388                          | 1.550  | 7,6            | 30,4   |
| PDX 05... | 480               | 498               | 289    | 485                          | 1.938  | 9,5            | 38,0   |
| PDX 06... | 570               | 588               | 337    | 581                          | 2.326  | 11,4           | 45,6   |
| PDX 07... | 660               | 678               | 385    | 678                          | 2.713  | 13,3           | 53,2   |
| PDX 08... | 750               | 768               | 433    | 775                          | 3.101  | 15,2           | 60,8   |
| PDX 09... | 840               | 858               | 481    | 872                          | 3.488  | 17,1           | 68,4   |
| PDX 10... | 930               | 948               | 529    | 969                          | 3.876  | 19,0           | 76,0   |
| PDX 11... | 1.020             | 1.038             | 577    | 1.066                        | 4.264  | 20,9           | 83,6   |
| PDX 12... | 1.110             | 1.128             | 625    | 1.163                        | 4.651  | 22,8           | 91,2   |
| PDX 13... | 1.200             | 1.218             | 673    | 1.260                        | -      | 24,7           | -      |
| PDX 14... | 1.290             | 1.308             | 721    | 1.357                        | -      | 26,6           | -      |
| PDX 15... | 1.380             | 1.398             | 769    | 1.454                        | -      | 28,5           | -      |

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