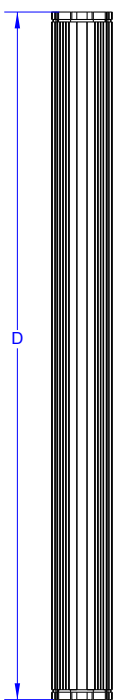
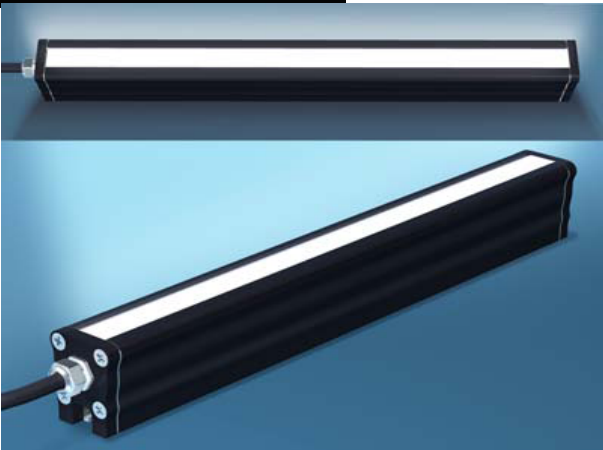


**NEW !**

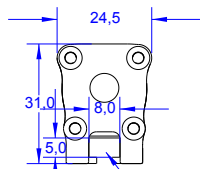
## RED led Linear light range with constant current

LESS THAN 20% LUMINANCE LOSS AFTER 100 000 HOURS (\*)  
LESS THAN 10% CHROMATICITY SHIFT AFTER 100 000 HOURS (\*)

PHLOX - LEDR - LINEAR - X - 31X24.5 - LLUB - 1R - 24V



D	Di	X	CC
92	3.62	64	0.18
119	4.68	91	0.24
146	5.75	118	0.3
173.5	6.83	145	0.36
200.5	7.89	172	0.42
227.5	8.96	199	0.48
255	10.04	227	0.54
282	11.1	254	0.6
309	12.16	281	0.66
336	13.23	308	0.72
363	14.29	335	0.78
390.5	15.37	362	0.84
417.5	16.44	389	0.9
444.5	17.5	416	0.96
471.5	18.56	443	1.02
498.5	19.63	470	1.08
525.5	20.69	497	1.14
554	21.81	526	1.2




For mounting using M4 screws

### Illumination

Luminance minimum **≥52 000 cd/m<sup>2</sup> continuous mode**  
 Uniformity minimum **≥90% (+/- 10%) (X x4mm)**  
 Source Type **Red LED**  
 Wavelength 630 nm  
 Light Angular Distribution 15° 1/2 angle  
 Expected Life **> 100 000 hours**

### Electrical

Input Voltage 24 VDC (continuous mode)  
 Input Current **CC (Amps ±5%)**  
 Cable length 0.6 M – Ø 3.7 mm (2 ft – Ø 0.14")  
 Connector None  
 Cable pinout   
 CE Conformity Yes  
 Strobe mode **Not possible with 24V version, You need to order CUR version**

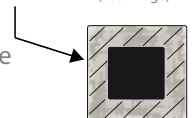
### Outer unit

L x W x H **D x 31 x 24.5mm (Di x 1.22 x 0.96") (+/-2mm\_0,0787")**  
 Housing Material Black Anodized Aluminium  
 Weight From 86g (3 oz) up to 336g (11.85 oz)  
 Mounting Mounting with M4 screws

### Environmental

Max. Operating Humidity 95% non-condensing  
 Operating Temperature 50°C (122°F) max  
 Storage Temperature 60°C (140°F) max  
 Shelf life 12 months from date of purchase  
 Max.temp.on housing +80°C (+176°F)

area of temperature measurement  
30mm all along the edges of the back of  
the black anodized aluminium housing  
(see image)



### IP40 (IP64 on request)

Do not cover the light when it's switched on.

### Accessories

**LED Dimmer:** 28V-5A very compact and easy to use  
 Product key: PHLOX DIM LIGHT



**Power supply:** 110V and 220V  
 Product key: ALIM-24V-2.5A60WEU or ALIM-24V-2.5A60WUS

Linear lights by PHLOX® offer the best life cycle, the best chromaticity stability and the best luminance on the market, all in an ultra compact aluminium body. PHLOX® is the only manufacturer to provide uniformity and luminance datas on the quality control seal positioned at the back of every light.

### DESIGNED FOR YOUR APPLICATION

High speed inspection (glass and plastic)  
 Linear inspection of reflective materials  
 Web inspection  
 Linear inspection of transparent materials  
 Large surface inspection  
 Quality control with transparency.

### & YOUR INDUSTRIAL SECTOR

Glassmaking  
 Pharmaceutical/Cosmetics  
 Automotive  
 Agribusiness  
 Electronics  
 Aeronautics and space.

CLASS 1: Low RISK (CIE S2009:2002/NF EN 62471)

**RoHS** directive compliant

Each PHLOX Linearlight is provided with:  
 - 24 months warranty  
 - Certificate of uniformity and luminance  
 - Seal of quality on the back

May 12th, 2025