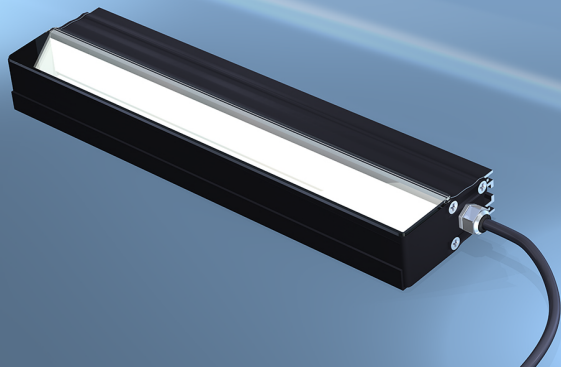


A VISION
AHEAD



HOW TO READ THE PRODUCT KEY

Manufacturer	Source colour	Light Output Area/Length	Range	Input voltage
PHLOX	LEDW	COAXLINEAR - X	58.3x26.6 - LLUB	1R - 24V
Source type	Product type	Profile size	Number of light sources' rows	

PHLOX® EXCLUSIVE LIGHT PROCESS
WORLDWIDE PATENT ISSUED

NEW !

White coaxial linear light with constant current

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

PHLOX - LEDW - COAXLINEAR - X - 58.3X26.6 - LLUB - 1R - 24V

The white coaxial linear light by PHLOX® offer the best uniformity on the market.

PHLOX® is the only manufacturer to provide a 3D uniformity and luminance certificate with every light. This datas is also available on the quality control seal positioned at the back of every backlight.

PHLOX Coaxial linear lights are ideal for inspecting flat and reflective surfaces, such as metal sheets, glass, and semiconductor wafers. They help in detecting surface defects like scratches, pits, and contaminants.

Surface Inspection

Print Inspection

Measurement and Metrology

OCR and Barcode Reading

Surface Texture Analysis: detecting inconsistencies in textiles, paper, and plastics.

Pharmaceutical Inspection
wafer inspection, die bonding

Illumination

Luminance minimum	≥ 10 000 cd/m ² continuous mode
Uniformity minimum	≥ 80% (+/- 10%)
Source Type	WhiteLED
Colour Temperature	5500°K (+/-500)
Light Angular Distribution	15° 1/2 angle
Expected Life	> 100 000 hours

Electrical

Input Voltage	24 VDC (continuous mode) CC
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 58.3 x 26.6mm (Di x 2.3 x 1.05")
Housing Material	Black Anodized Aluminium
Weight	From 86g (3 oz) up to 336g (11.85 oz)
Mounting	Mounting with M4 screws

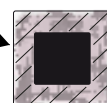
Environmental

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)

IP40 (IP65 on request)

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

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



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



See the drawing, product keys
and available lengths on next page.

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

April 16, 2026

White coaxial linear light

COMPLETE YOUR PRODUCT KEY:

Source colour

Light Output Length

Input voltage

PHLOX - LED

- COAXLINEAR -

- 58.3X26.6 - LLUB - 1R -

Available colours: White, Red, IR850

Input types: 24V, Current

Light output length ↴

D (mm)	X (mm)	CC (A)
124	91	0,240
151	118	0,300
179	145	0,360
206	172	0,420
233	199	0,480
260	227	0,540
287	254	0,600
314	281	0,660
341	308	0,720
368	335	0,780
396	362	0,840
423	389	0,900
450	416	0,960
477	443	1,020
504	470	1,080
531	497	1,140
559	526	1,200
587	553	1,260
614	580	1,320
641	607	1,380
668	634	1,440
695	661	1,500
722	689	1,560
749	716	1,620
776	743	1,680
804	770	1,740
831	797	1,800
858	824	1,860
885	851	1,920
912	878	1,980
939	906	2,040
966	933	2,100
993	960	2,160
1020	987	2,220
1047	1014	2,280

