

A VISION
AHEAD



HOW TO READ THE PRODUCT KEY

Manufacturer	Source colour	Light Output Area/Length	Range	Input voltage
PHLOX	LEDIR850	OPTIC-LINEAR	X	- 37.3X24.5 - LLUB - 1R - 24V
Source type	Product type	Profile size	Number of light sources' rows	

PHLOX® EXCLUSIVE LIGHT PROCESS

NEW !

IR850 OPTIC Linear light and constant current

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

PHLOX - LEDIR850 - OPTIC - LINEAR - X - 37.3X24.5 - LLUB - 1R - 24V

OPTIC 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.

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.

Illumination

Radiance minimum	≥600 w/m2.sr continuous mode
Uniformity minimum	
Source Type	IR850 LED
Wavelength	850 nm
Light Angular Distribution	
Expected Life	> 100 000 hours

Electrical

Input Voltage	24 VDC (continuous mode)
Input Current	!! (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

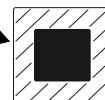
Outer unit

L x W x H	D x37.3x24.5mm (Di x1.46x0.96")(+/-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

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

RoHS directive compliant

CLASS 2 : Moderate RISK (CIE S2009:2002/NF EN 62471)

Each PHLOX OPTIC Linearlight is provided with:

- 24 months warranty
- Seal of quality on the back

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

January 20th, 2026

Linear light with optic range

COMPLETE YOUR PRODUCT KEY:

Source colour

Light Output Length

Input voltage

PHLOX - LED

- OPTIC LINEAR -

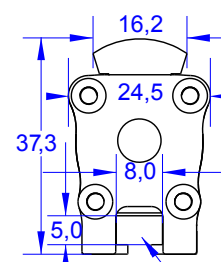
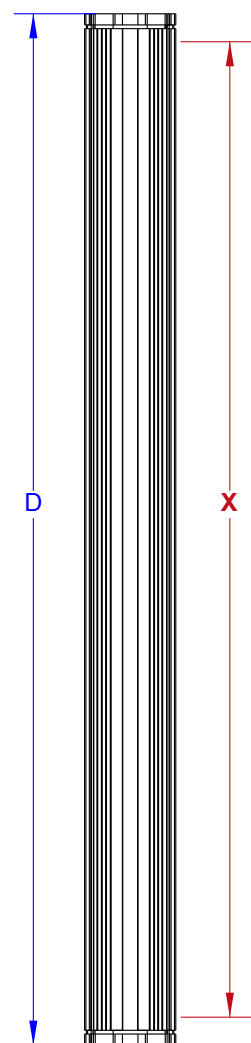
- 37.3X24.5 - LLUB -1R -

Available colours: White, Red, IR850

Input types: 24V, Current

Light output length ↴

D (mm)	X (mm)	CC (A)
92	64	0,180
119	91	0,240
146	118	0,300
174	145	0,360
201	172	0,420
228	199	0,480
255	227	0,540
282	254	0,600
309	281	0,660
336	308	0,720
363	335	0,780
391	362	0,840
418	389	0,900
445	416	0,960
472	443	1,020
499	470	1,080
526	497	1,140
554	526	1,200
582	553	1,260
609	580	1,320
636	607	1,380
663	634	1,440
690	661	1,500
717	689	1,560
744	716	1,620
771	743	1,680
799	770	1,740
826	797	1,800
853	824	1,860
880	851	1,920
907	878	1,980
934	906	2,040
961	933	2,100
988	960	2,160



For mounting
using M4 screws