

Flexible and versatile lighting solutions: with OSRAM LINEARlight

LED modules from OSRAM, such as LINEARlight

Special features:

- LED module with OSRAM SMT LED
- Low height for low-profile surface/enclosed mounting
- Can be divided into small units (56 x 10 mm) without affecting the function of the remainder of the board
- Parallel connection possible
- Can be extended up to 3 modules, colours can be combined
- Innovative OSRAM LED Connect System
- Simple operation with OPTOTRONIC®
- Can be dimmed with OPTOTRONIC® DIM

Applications:

Can be used in so many different applications because it can be split:

- Injection of light in low-profile light guides and displays
- Linear structures in display cabinets and furniture
- Illuminated advertising
- Long LED structure, see also LINEARlight Flex OS-LM10A
- For edge lighting and marker lights for walkways and outlines (e.g. escape routes, edges and steps)



Drink shelf lighting in a Barcelona hotel, Spain



Visual dynamics, Cambridge/England

Product reference

LINEARlight LED kit

LEDKIT-LM3-W	White	32	120°	5400 K	10 VDC	0.4 A	4.0 W
EAN 4008321051813							
LEDKIT-LM3-A	Red	32	120°	617 nm	10 VDC	0.4 A	4.0 W
EAN 4008321051776							
LEDKIT-LM3-B	Blue	32	120°	470 nm	10 VDC	0.4 A	4.0 W
EAN 4008321051790							

Other data for LINEARlight (valid for all types)

- Basic dimensions of overall module (l, x w x h): 448 x 10 x 4.0 mm
- Operating temperature: -30 to +75°C, +85°C at T_c point depending on colour
- Smallest unit with 4 LEDs (l₂ x w): 56 x 10 mm

Accessories	Order no.	EAN
LINEARlight rigid connector	OS-LM-CONN	4050300887333*
LINEARlight flexible connector (50 mm)	OS-LM-CONN-50	4008321052841*
LINEARlight feeder (with 500 mm cable)	OS-LM2PIN	4050300887821*
LINEARlight Optics (l x w x h = 56 x 12 x 11)	OS-OP 4x1-20	4008321009036*

Beam angle (FWHM): with optics: 20°, white: 25°

* Standard pack of 10

Product reference

OPTOTRONIC® control gear for LED

OT 12/230-240/10	10 V	207-254	0/50/60	12	-20...+50	109 x 50 x 50
EAN 4050300609232						

Title page: Bayerischer Hof, Falk's Bar, Munich/Germany



The possibilities are endless: LINEARlight LED kit

The quick and easy way to get innovative LED light:
LED modules + ECGs + connectors



Innovative, creative, economical: lighting solutions with LED modules from OSRAM

The light of the future – available today

Light emitting diodes are based on semiconductors that convert electric current directly into light. Only a few millimetres long, LED are a valuable alternative to conventional light sources in many areas of general lighting – and they also open up endless opportunities for flexible lighting solutions.

Technological advantages of LED

- Low power consumption
- High colour efficiency
- Extremely long life
- Extremely low premature failure rates
- Small dimensions
- High resistance to shocks and vibrations
- Directional radiation characteristics
- No IR/UV radiation
- Low power draw
- Low thermal output
- Directional distribution of light
- Unaffected by frequent on/off switching
- Instant light
- Broad palette of colours
- Brilliant colour saturation
- No problems at low temperatures (-30°)



Stairwell lighting, Munich/Germany



Effect lighting in a hotel bar, Switzerland

Do it yourself: Plug & Play with the LINEARlight LED kit

The LINEARlight LED kit from OSRAM is a complete LED system for the flexible design of innovative lighting solutions.

- Three LINEARlight modules in one colour, each divisible into as many as eight sub units
- Up to 1.35 m of high-intensity LED light
- Simple connection with the OSRAM LED Connect System
- Electronic transformer
- Power input: 4 W per LINEARlight module

Optional:

- LINEARlight Optics for a beam angle of 20° (white 25°) and mechanical contact protection (samples enclosed within kit)
- Flexible connector for angled arrangement of the modules

Applications:

Marker lights, effects, decoration, illuminated advertising and much more.



Want to make your own attractive LED strips? No problem with the LED kit!

Step 1

Connect the feeders to the external part of the LED modules. The black cable is connected to the negative terminal, and the red cable to the positive terminal.

Step 2

Connect the modules to one another with the connectors supplied (proper connections are assured). Flexible connectors – available as accessories – enable different shapes and angles to be made.

Step 3

With the "Optics" element (also available as an accessory) the beam angle can be reduced from 120° to 20–25° so that the direction of the light is ideal for particular applications (wallwasher effects for example).

The optics also provide physical protection against dust and contact.

Step 4

Connect the feed cable and mains cable to the OPTOTRONIC® control gear, as specified, and your LED light is ready. LINEARlight LED kit systems can be used in any combination.

Step 1



Rigid connector



Flexible connector

Step 3



Step 4



Please read the operating instruction and safety information carefully before installing.



Sample application: shop window decoration - LINEARlight LED kit white



Sample application: showcase lighting - LINEARlight LED kit red



Sample application: effect lighting - LINEARlight LED kit blue

The complete LINEARlight family

LINEARlight Colormix and LINEARlight Colormix Flex

By using OSRAM MULTILED®, the basic colours of red, green and blue can be mixed to produce individual static colours or defined colour sequences.

- Eye catching displays
- New unusual and attractive lighting effects
- More "colour" and individuality in illuminated advertising (e.g. illuminated text and company signs in house/corporate identity colours)
- Sequencing or colour washing as an architectural effect e.g. in public areas such as airports, foyers and reception rooms
- Changing coloured light as a special effect in restaurants, bars, etc.
- For effect lighting with changing colours in linear structures
- For injecting light into transparent and dispersing materials

LINEARlight Flex

- Module on a flexible board
- Light is emitted either vertically TOPLED® (OS-LM10A) or parallel to the surface on which the module is attached SIDELED® (OS-LM11A)
- Flexible 3-D mounting
- Universal
- Injection of light in displays and low-profile light guides
- For information signs and illuminated advertising
- For tube lighting systems and cabinet lighting
- For marker lights for walkways and edge lighting
- For precision backlighting of complex contours

LINEARlight Optics

- Optical element for LINEARlight that reduces the beam angle from 120° to 20–25°
- Uniformly illuminated surfaces
- The length of the optics is matched to the smallest LINEARlight unit at 56 mm
- Contact protection

