

## Basic Linear OP 750-840-489-LV

Basic Linear OP | Linear Light Engines



### Product family features

- Module efficacy: up to 140 lm/W
- Color temperature: 3,000 K, 4,000 K or 6,500 K
- LED module in 14 mm width, 489 mm length, Luminous flux on: 750 lm
- LED module in 14 mm width, 1095 mm length, Luminous flux on: 1500 lm
- Initial color consistency:  $\leq 5$  SDCM
- Average lifetime (L80 B50): 35,000 h (temperature at  $T_c = 75^\circ\text{C}$ )
- CE, UKCA certified
- Color rendering index  $R_a : 80$
- For indoor application

### Product family benefits

- Design for slim and flat luminaire fixture
- Wide range of light colors
- High homogeneity thanks to LED optical lens

### Areas of application

- Office
- Hospitality
- Education
- Retail
- Shops
- Industry



# Product datasheet

## Technical data

### Electrical data

Nominal voltage	35.5 V
Nominal current	0.15 A
Type of current	DC
On-mode power [GMS]	5.3 W
Energy consumption in on-mode	5.3 kWh/1000h

### Photometrical data

Luminous efficacy	140 lm/W
Color rendering index Ra	80
Correlated color temperature CCT	4000 K
Colour consistency (McAdam ellipses)	5
Useful luminous flux ( $\Phi_{use}$ )	749 lm

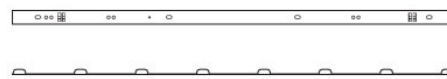
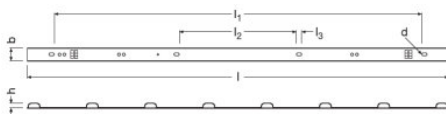
### Light technical data

Starting time	< 0.1 s
Warm-up time (60 %)	< 2.00 s

### LED module information

Number of LEDs per module	8
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### Dimensions & weight



Product weight	20.00 g
Height	6 mm
Length	489 mm
Width	14 mm

### Temperatures & operating conditions

Performance temp. acc. to IEC 62717	35 °C
Temperature range in operation at Tc point	-25...65 °C
Maximum temperature at tc test point	75 °C
Temperature range at storage	-30...85 °C
Ambient temperature range	-25...+65 °C

### Lifespan

Number of switching cycles	15000
Lumen maintenance factor LMF [GMS]	96
L70B50 lifetime	35000 h

### Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see <a href="http://www.osram.com/led-systems">www.osram.com/led-systems</a> )./All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values
Lighting technology used	LED

### Certificates & standards

Standards	CE/UKCA/Acc. to IEC 62031/Acc. to IEC 61547/Acc. to IEC 62717
Type of protection	IP20
Energy efficiency class	E

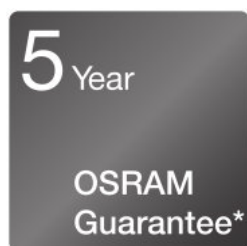
### Logistical data

Commodity code	854141000000
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### Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	07-11-2022
Primary Article Identifier	4062172311595
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

## Product datasheet





484525\_5 Year Osram Guarante  
(GB)

### Additional product information

- The LED module itself and all its components must not be stressed mechanically.
- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
- Only a qualified electrician may install the module.
- The modules are intended for operation only with matching OPTOTRONIC , ICUTRONIC and ELEMENT.
- Pay attention to standard ESD precautions when installing the module.
- Max. Voltage U-OUT = 60V for operation on SELV LED control gear.
- The final luminaire assembled with modules must be well packaged with carton.

### Download Data

File	
	Product Datasheet Product datasheet of Basic Linear OP
	IES data BA LIN OP 750 840 489 LV IES 101822

### Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
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## Product datasheet

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### Logistical Data

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4062172311595	Basic Linear OP 750-840-489-LV	Shipping carton box 60	530 mm x 234 mm x 60 mm	7.44 dm <sup>3</sup>	1739.00 g
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The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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### References / Links

\* For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.