



Light is diverse PrevaLED[®] Linear

With highest levels of efficiency of up to 200lm/W, the 4th generation of PrevaLED[®] Linear serves a variety of lighting solutions

Light is OSRAM

OSRAM

PrevaLED® Linear

Highly efficient, powerful, versatile

As the successor of PrevaLED® Linear Slim 3 and PrevaLED® Linear Value 3, the 4th-generation LED module PrevaLED® Linear is characterized by its very high efficiency of up to 200lm/W. This high-end lighting solution offers a wide range of light colors and lengths within the Zhaga LED modules.

Many luminaires, one answer

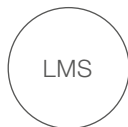
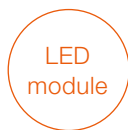
PrevaLED® Linear is mainly applied in industrial and office lighting. The LED modules with high luminous flux, for example, provide the powerful light needed for highbay luminaires. LED modules with a length of 1,120 mm or 1,400 mm can be integrated easily into trunking systems and provide reliable lighting for production sites. For office lighting applications – such as pendant or louver luminaires, surface-mounted or floor-standing luminaires – the LED module PrevaLED® Linear also offers unlimited possibilities.

In addition to the already well-known light colors of 3,000 K, 4,000 K and 6,500 K, the product portfolio has been extended with the warm light color of 2,700 K and the colder light color of 5,000 K. Moreover, the product portfolio not only features the color rendering index of $CRI \geq 80$, but also the excellent color rendering index of $CRI \geq 90$ and thus offers highest levels of light quality. This multitude of options means that there is always an optimal choice for practically any application – which also represents the decisive advantage over solutions from many other manufacturers.

From cost-efficient to highly efficient – a well-thought-out linear portfolio

Our product range for linear lighting solutions not only includes highly efficient LED modules, but also cost-efficient alternatives – for example for damp-proof luminaires, where the cost factor is crucial.

But also for sophisticated lighting solutions, PrevaLED® Linear is the right choice. It is matched with a broad range of OPTOTRONIC® LED drivers, for SELV as well as non-isolated, DALI as well as on/off, programmable or non-programmable – PrevaLED® Linear is designed for universal use.



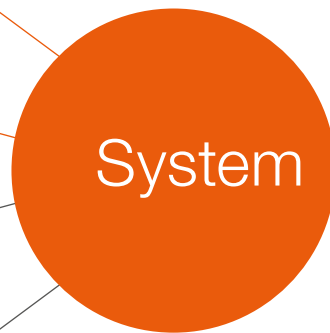
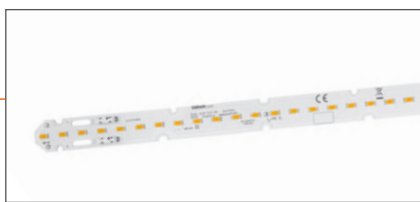
Zhaga

Zhaga is a cross-industry consortium, which is concerned with the unification of all LED solutions offered in the market. Framework conditions for development are defined to enable the compatibility of solutions from various manufacturers. Geometric, optical and thermal characteristics are defined for light engines and LED modules, enabling the use of uniform reflectors or heat sinks.



System solutions

OSRAM always offers you the optimal combination of LED module and LED driver. With a combination of OPTOTRONIC® Linear LED drivers and PrevaLED® Linear LED modules, you always get the best possible system solution, which is perfectly complemented by useful accessories and modern LMS components for efficient and multifunctional light management.



solutions

Tailor-made LED solutions

With PrevaLED® Linear, OSRAM covers an extensive range of application, design and installation options. If you are looking for a special solution, for instance because a different luminous efficacy, a different luminous flux or a different light color is required, please get in touch with OSRAM – we will be happy to help you. Learn all about our tailor-made LED solutions here:

www.osram.com/tailormade

Broad range of applications

PrevaLED® Linear LED modules are characterized by excellent photometric properties and make getting into or switching to modern LED technology very easy. As a good and sustainable alternative to conventional lamps, they offer efficiency and high quality of light, e.g. for the illumination of offices, corridors and industrial facilities.

Ideal for luminaire design

With high levels of luminous flux, various lengths and widths, a broad range of light colors and very high homogeneity, PrevaLED® Linear LED modules offer a multitude of advantages for luminaire design. This can also be said about the corresponding OPTOTRONIC® Linear LED drivers which, together with the LED modules, enable a wealth of application possibilities.

Highest quality of light for impressive results

PrevaLED® Linear is, for example, also available with CRI ≥ 90 – which represents a lighting solution with highest quality of light, e.g. for hospitals, museums, shops and, increasingly, also for offices.

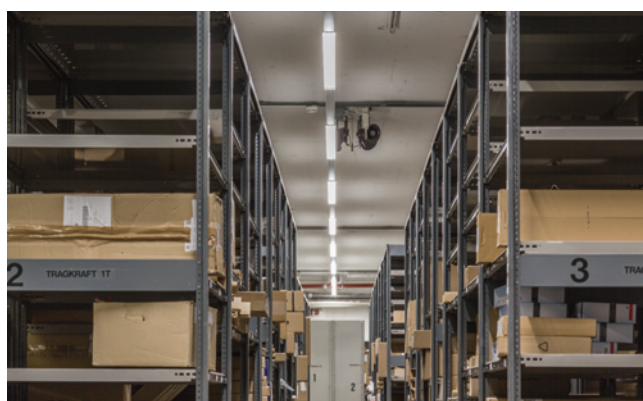
Continuous advancement with every new generation

Every time when we develop a new generation of LED solutions, we collaborate closely with our customers in order to find out how we can advance our linear portfolio. One recent result of our collaboration is that we have equipped our LED module with a cut-out area in front of the connector. This allows you to insert the wires into the connector from the back and thus avoid unwanted shadowing by the wires. Moreover, we have now equipped selected LED modules with a connector on the back, which makes wiring even easier. Wiring can thus be done easily and quickly, and without the wires being visible on the top side.

Optimal illumination through optics and diffusers

Thanks to many available optics and diffusers, the LED modules are also especially suitable for luminaires installed at various heights. The optics ensure that the light reaches all the areas it is supposed to illuminate and that the desired lighting effect is fully achieved.

Diffusers, which can quickly be snapped over the module, are used in order to create homogeneous lighting results (comparable with T5/T8 fluorescent lamps). Endcaps ensure that no light is emitted from the narrow sides.



Built with the highest levels of efficiency and powerful illumination in mind, PrevaLED® Linear LED modules are the perfect choice for sophisticated lighting solutions.



Key benefits at a glance

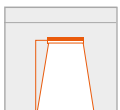
- Very wide range of light colors
- High homogeneity thanks to small LED pitch
- Cut-out area for shadow-free wiring
- Isolated connectors with release function
- Smart Fixation (SF) with connector placed on the back
- 1,120-, 1,400-mm module for trunking system
- SELV and non-isolated LED modules for easy luminaire design

Areas of application

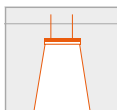
- Offices, e.g. single and open-plan offices, or conference and meeting rooms
- Public buildings, e.g. hospitals, universities, schools and sports halls
- Industry, e.g. production sites or logistics areas
- Retail, e.g. supermarkets and shops

Various installation options

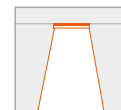
PrevaLED® Linear LED modules can be installed into and used with a broad range of luminaire types.



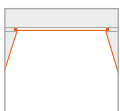
Floor-standing luminaires



Pendant luminaires



Surface-mounted luminaires



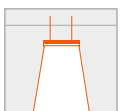
Recessed luminaires



Linear wall and ceiling luminaires



Trunking systems and light strips




Highbay luminaires

PrevaLED® Linear LED modules and OPTOTRONIC®

Two state-of-the-art technologies for efficient and flexible system combinations

PrevaLED® Linear LED modules – technical data* and system combinations with OPTOTRONIC® LED drivers

These module-driver combinations refer to the nominal operating parameters of the LED modules. For detailed technical information, for example concerning over- and underdriving of LED modules, please see the datasheets of the LED modules and LED drivers on the OSRAM website.

Product name	Product number (EAN)	lm	K	Ra	Initial SDCM	V	I _[mA]	W	lm/W		
20-mm LED module, CRI ≥ 80											
PL-LIN-Z4 550-827 140X20	4052899984721	516	2700	≥ 80	3	33.2	87.5	2.9	178	60	
PL-LIN-Z4 550-830 140X20	4052899984738	540	3000	≥ 80	3	33.2	87.5	2.9	186	60	
PL-LIN-Z4 550-840 140X20	4052899984745	564	4000	≥ 80	3	33.2	87.5	2.9	194	60	
PL-LIN-Z4 550-850 140X20	4052899984752	532	5000	≥ 80	3	33.2	87.5	2.9	183	60	
PL-LIN-Z4 550-865 140X20	4052899984769	513	6500	≥ 80	3	33.2	87.5	2.9	176	60	
PL-LIN-Z4 1100-827 280X20	4052899984820	1021	2700	≥ 80	3	33.2	175	5.8	176	60	
PL-LIN-Z4 1100-830 280X20	4052899984837	1180	3000	≥ 80	3	33.2	175	5.8	186	60	
PL-LIN-Z4 1100-840 280X20	4052899984844	1128	4000	≥ 80	3	33.2	175	5.8	194	60	
PL-LIN-Z4 1100-850 280X20	4052899984868	1064	5000	≥ 80	3	33.2	175	5.8	183	60	
PL-LIN-Z4 1100-865 280X20	4052899984875	1026	6500	≥ 80	3	33.2	175	5.8	176	60	
PL-LIN-Z4 2000-827 280X20	4052899985025	2045	2700	≥ 80	3	39.1	300	11.7	174	60	
PL-LIN-Z4 2000-830 280X20	4052899985032	2139	3000	≥ 80	3	39.2	300	11.7	182	60	
PL-LIN-Z4 2000-840 280X20	4052899985049	2235	4000	≥ 80	3	39.1	300	11.7	190	60	
PL-LIN-Z4 2000-850 280X20	4052899985056	2108	5000	≥ 80	3	39.1	300	11.7	180	60	
PL-LIN-Z4 2000-865 280X20	4052899985063	2031	6500	≥ 80	3	39.1	300	11.7	173	60	
PL-LIN-Z4 2200-827 560X20	4052899985209	2065	2700	≥ 80	3	33.2	350	11.6	178	60	
PL-LIN-Z4 2200-830 560X20	4052899985216	2160	3000	≥ 80	3	33.2	350	11.6	186	60	
PL-LIN-Z4 2200-840 560X20	4052899985223	2257	4000	≥ 80	3	33.2	350	11.6	194	60	
PL-LIN-Z4 2200-850 560X20	4052899985247	2129	5000	≥ 80	3	33.2	350	11.6	183	60	
PL-LIN-Z4 2200-865 560X20	4052899985254	2051	6500	≥ 80	3	33.2	350	11.6	176	60	
PL-LIN-Z4 4000-827 560X20	4052899985407	4090	2700	≥ 80	3	39.1	600	23.5	174	60	
PL-LIN-Z4 4000-830 560X20	4052899985414	4278	3000	≥ 80	3	39.1	600	23.5	182	60	
PL-LIN-Z4 4000-840 560X20	4052899985421	4469	4000	≥ 80	3	39.1	600	23.5	190	60	
PL-LIN-Z4 4000-850 560X20	4052899985438	4216	5000	≥ 80	3	39.1	600	23.5	180	60	
PL-LIN-Z4 4000-865 560X20	4052899985445	4062	6500	≥ 80	3	39.1	600	23.5	173	60	
PL-LIN-Z4 4400-840 1120X20	4052899985605	4313	4000	≥ 80	3	88.4	250	22.1	195	60	
PL-LIN-Z4 5500-840 1400X20	4052899985803	5391	4000	≥ 80	3	110	250	27.6	195	60	

Typical values valid for T_p = 55 °C

Energy efficiency class according to 2012/874/EC: A++

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.

* Tolerance for optical and electrical data: ±10 %



System combinations

Product name	Product number (EAN)	lm	K	Ra	Initial SDCM	V	I _[mA]	W	lm/W	
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20-mm LED module SF, with connector on the back for “Smart Fixation”

PL-LIN-Z4 1100-840 280X20 SF	4052899984851	1128	4000	≥ 80	3	33.2	175	5.8	194	60
PL-LIN-Z4 2200-840 560X20 SF	4052899985230	2257	4000	≥ 80	3	33.2	350	11.6	194	60

20-mm LED module, CRI ≥ 90

PL-LIN-Z4 1100-927 280X20	4052899984882	1055	2700	≥ 90	3	34.3	250	8.6	123	60
PL-LIN-Z4 1100-930 280X20	4052899984899	1120	3000	≥ 90	3	34.3	250	8.6	131	60
PL-LIN-Z4 1100-940 280X20	4052899984905	1188	4000	≥ 90	3	34.3	250	8.6	139	60
PL-LIN-Z4 1100-950 280X20	4052899984912	1188	5000	≥ 90	3	34.3	250	8.6	139	60
PL-LIN-Z4 2000-927 280X20	4052899985070	1955	2700	≥ 90	3	40.2	400	16.1	122	60
PL-LIN-Z4 2000-930 280X20	4052899985087	2077	3000	≥ 90	3	40.2	400	16.1	129	60
PL-LIN-Z4 2000-940 280X20	4052899985094	2202	4000	≥ 90	3	40.2	400	16.1	137	60
PL-LIN-Z4 2000-950 280X20	4052899985100	2202	5000	≥ 90	3	40.2	400	16.1	137	60
PL-LIN-Z4 2200-927 560X20	4052899985261	2110	2700	≥ 90	3	34.3	500	17.1	123	60
PL-LIN-Z4 2200-930 560X20	4052899985278	2240	3000	≥ 90	3	34.3	500	17.1	131	60
PL-LIN-Z4 2200-940 560X20	4052899985285	2375	4000	≥ 90	3	34.3	500	17.1	139	60
PL-LIN-Z4 2200-950 560X20	4052899985292	2375	5000	≥ 90	3	34.3	500	17.1	139	60
PL-LIN-Z4 4000-927 560X20	4052899985452	2911	2700	≥ 90	3	40.2	800	32.2	122	60
PL-LIN-Z4 4000-930 560X20	4052899985469	4153	3000	≥ 90	3	40.2	800	32.2	129	60
PL-LIN-Z4 4000-940 560X20	4052899985476	4404	4000	≥ 90	3	40.2	800	32.2	137	60
PL-LIN-Z4 4000-950 560X20	4052899985483	4404	5000	≥ 90	3	40.2	800	32.2	137	60

33-mm LED module, CRI ≥ 80

PL-LIN-Z4 650-830 280X33	4052899985988	611	3000	≥ 80	3	33.5	100	3.4	182	60
PL-LIN-Z4 650-840 280X33	4052899985995	638	4000	≥ 80	3	33.5	100	3.4	190	60
PL-LIN-Z4 650-865 280X33	4052899986008	580	6500	≥ 80	3	33.5	100	3.4	173	60
PL-LIN-Z4 1100-827 280X33	4052899986046	1030	2700	≥ 80	3	33.2	175	5.8	177	60
PL-LIN-Z4 1100-830 280X33	4052899986053	1080	3000	≥ 80	3	33.2	175	5.8	186	60
PL-LIN-Z4 1100-840 280X33	4052899986060	1128	4000	≥ 80	3	33.2	175	5.8	194	60
PL-LIN-Z4 1100-850 280X33	4052899986077	1065	5000	≥ 80	3	33.2	175	5.8	183	60
PL-LIN-Z4 1100-865 280X33	4052899986084	1026	6500	≥ 80	3	33.2	175	5.8	176	60
PL-LIN-Z4 1300-830 560X33	4052899986145	1222	3000	≥ 80	3	33.5	200	6.7	182	60
PL-LIN-Z4 1300-840 560X33	4052899986152	1277	4000	≥ 80	3	33.5	200	6.7	190	60
PL-LIN-Z4 1300-865 560X33	4052899986169	1161	6500	≥ 80	3	33.5	200	6.7	173	60
PL-LIN-Z4 2200-827 560X33	4052899986206	2065	2700	≥ 80	3	33.2	350	11.6	178	60
PL-LIN-Z4 2200-830 560X33	4052899986213	2160	3000	≥ 80	3	33.2	350	11.6	186	60
PL-LIN-Z4 2200-840 560X33	4052899986220	2257	4000	≥ 80	3	33.2	350	11.6	194	60
PL-LIN-Z4 2200-850 560X33	4052899986237	2129	5000	≥ 80	3	33.2	350	11.6	183	60
PL-LIN-Z4 2200-865 560X33	4052899986244	2051	6500	≥ 80	3	33.2	350	11.6	176	60

SELV *	Dimmable										Non-dimmable									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
OTi DALI 35/220...240/700 LT2 L 4052899 245389	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 50/220...240/1A4 LT2 L 4052899 028098	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 80/220...240/1A6 LT2 L 4052899 028074	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 80/220...240/2A1 LT2 L 4052899 028050	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 35/220...240/700 CS L 4052899 032828	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 50/220...240/1A0 CS L 4052899 032804	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 80/220...240/1A6 CS L 4052899 032781	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
NON-ISOLATED **																				
OTi DALI 35/220...240/400 D LT2 UF L 4052899 957022	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 75/220...240/700 D LT2 UF L 4052899 957046	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 35/220...240/400 D LT2 L 4052899 494220	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 60/220...240/550 D LT2 L 4052899 494206	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi DALI 90/220...240 /1A0 LT2 L 400832 1867568	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi 60/220...240/550 D LT2 L 4052899 188419	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OTi 90/220...240/1A0 D LT2 L 4052899 188556	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 50/220...240/250 D L 4052899 222571	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 50/220...240/300 D L 4052899 462694	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 50/220...240/350 D L 4052899 222595	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 35/220...240/ 350 D LT2 L 4052899 478411	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OT FIT 75/220...240/ 550 D LT2 L 4052899 478435	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

* PrevaLED® Linear is designed for parallel connection of the LED modules with SELV drivers.
 Details concerning the amount of LED drivers for the respective driver combination can be found in the datasheet.
 ** PrevaLED® Linear is designed for serial or parallel connection of the LED modules with non-isolated drivers.
 Details concerning the amount of LED drivers for the respective driver combination can be found in the datasheet.

Accessories

Thanks to a broad selection of easy-to-mount optics and diffuser covers, PrevaLED® Linear LED modules can be perfectly adjusted to the most varied lighting tasks and thus provide highest levels of flexibility for luminaire design. While the optics, which come with a wide range of different beam angles, ensure that the light reaches the areas where it is needed, the diffusers offer a homogeneous distribution of light (comparable with conventional T5/T8 fluorescent lamps).






Optics









Diffuser



Accessories

Product name	Product number (EAN)		Light beam type	Transmission	 l [mm]	 b [mm]	 h [mm]		
Optics – PrevaLED® Linear optics for 20-mm LE									
PL-LIN OPTIC 40 CLR 560X10	4052899986565	40	Narrow	94 %	560	10.3	7.9	100 x 1	
PL-LIN OPTIC 40 CLR 1120X10	4052899986572	40	Narrow	94 %	1120	10.3	7.9	100 x 1	
PL-LIN OPTIC 50 CLR 560X10	4052899986541	50	Narrow – medium	94 %	560	10.3	7.9	100 x 1	
PL-LIN OPTIC 50 CLR 1120X10	4052899986558	50	Narrow – medium	94 %	1120	10.3	7.9	100 x 1	
PL-LIN OPTIC 60 DIF 560X10	4052899986527	60	Medium	92 %	560	10.3	7.9	100 x 1	
PL-LIN OPTIC 60 DIF 1120X10	4052899986534	60	Medium	92 %	1120	10.3	7.9	100 x 1	
PL-LIN OPTIC CLIP WT	4052899986589	–	–	–				MOQ 700 pcs.	
Diffusers – PrevaLED® Linear diffusers for 20-mm LE									
PL-LIN DIFFUSER 560X28	4052899466692		Diffuse	82 %	560	28.5	22	100 x 1	
PL-LIN DIFFUSER 600X28	4052899466739		Diffuse	82 %	600	28.5	22	100 x 1	
PL-LIN DIFFUSER 1150X28	4052899466753		Diffuse	82 %	1150	28.5	22	50 x 1	
PL-LIN DIFFUSER 1450X28	4052899466777		Diffuse	82 %	1450	28.5	22	50 x 1	
PL-LIN ENDCAP FOR DIFFUSER 28	4052899466791							MOQ 100 pcs.	
Diffusers – PrevaLED® Linear diffusers for 33-mm LE									
PrevaLED LV Diffuser 560	4052899130319		Diffuse	80 %	560	41	30	100 x 1	
PrevaLED LV Diffuser 600	4052899130333		Diffuse	80 %	600	41	30	100 x 1	
PrevaLED LV Diffuser 1150	4052899130357		Diffuse	80 %	1150	41	30	50 x 1	
PrevaLED LV Diffuser 1450	4052899130371		Diffuse	80 %	1450	41	30	50 x 1	
PrevaLED Endcap	4052899376670							100 x 1	

Symbols

K	Color temperature in K		Initial standard deviation of color matching
V	Voltage in V		Beam angle in °
lm	Luminous flux in lm		Length l in mm
W	Power in W		Width b in mm
I[mA]	Rated current in mA		Height h in mm
lm/W	Luminous efficacy		Standard pack in pcs.
Ra	Color rendering index		

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