

OSRAM LED
CREATING TOMORROW



LED guides the way

The new OSRAM SubstiTUBE®: more diverse, efficient and durable

Because for us, only better will do

Light is OSRAM



OSRAM SubstiTUBE® Gen5

The new product range

OSRAM SubstiTUBE® LED Tubes

OSRAM SubstiTUBE® are now more than ever the ideal alternative to standard T8 fluorescent lamps¹. The new range has been optimised and now shines with increased efficiency, and higher light output.

Compatible with electromagnetic (EM) control gear² and featuring rapid and safe mounting without rewiring, OSRAM SubstiTUBE® makes it child's play to upgrade complete lighting systems from classic T8 fluorescent lamps to uniform LED technology, and to benefit from the significant advantages.

Simple upgrading – the advantages of OSRAM LED tubes:

- Plug & play – genuine retrofit solution
- Efficiency to 109 lm/W
- Up to 50% energy savings compared to a T8 fluorescent lamp
- Up to 5 times longer lifespan than classic fluorescent lamps³
- Instant 100% light, flicker-free
- Up to 5-year guarantee⁴



Elegant and functional:
OSRAM SubstiTUBE® - nominated for the German Design Award 2016

High quality levels for so many applications

With Basic and Value quality classes, the OSRAM SubstiTUBE® optimally fulfills demands in a wide variety of commercial, industrial and private application areas.



Basic:

Ideal for everyday lighting tasks

OSRAM SubstiTUBE® Basic:

- Up to 109 lm/W
- For use in warehouses, underground garages and corridors
- Guarantee 5 years⁴

Value:

Suitable for cost-orientated lighting tasks

OSRAM SubstiTUBE® Value:

- Up to 97 lm/W
- For use in private households, stairways, garages and cellar rooms
- Guarantee 3 years⁴

¹ Total system energy efficiency and light distribution is determined by the specific system construction.

² Operation possible with CCG, LLG or 240 V mains voltage.

³ Depending on type of lamp and control gear.

⁴ More information on page 3 of this brochure and at: www.osram.com/guarantee.



Best light for precision work

The OSRAM promise **Quality and reliability**

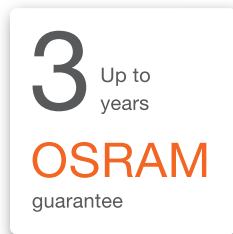
OSRAM specifies maximum demands during the development and manufacture of its brand products. Strict quality control enables uniformly high quality and therefore extensive product guarantees. Compliance with official directives and established quality marks underline the high levels of product safety.

OSRAM guarantee:

- 5-year guarantee⁵ for SubstiTUBE® Basic lamps
- 3-year guarantee⁶ for SubstiTUBE® Value lamps

Safety is a priority

OSRAM also makes no compromises with regard to product safety. SubstiTUBE® Basic and Value models comply with the latest Australian and New Zealand Standard, AS/NZS 60598.2.1:2014 (Type A LED Tube). This provides peace of mind, knowing that there is no risk of electric shock if only one end of the tube is inserted into a fitting.



⁵ ⁶ For detailed information, see: www.osram.com/guarantee.

OSRAM SubstiTUBE® Gen5 Compatibility Test

To quickly find out whether you can upgrade your lighting with a suitable SubstiTUBE® product, you should first determine whether you require a lamp for operation on an electro-magnetic ballast (EM). Two simple possibilities are available:

Starter Test:

Insider
TIP



▶ SubstiTUBE® EM



▶ Electronic ballasts
no starter:
not compatible

Camera Test:



▶ SubstiTUBE® EM



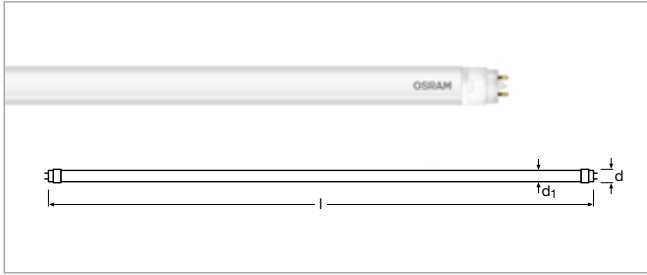
▶ Electronic ballasts
No flicker:
not compatible

Check whether the luminaire in which the new lamp should be used has a starter. If it has, you can replace the conventional fluorescent tube with SubstiTUBE® Basic and Value.

If a functional T8 fluorescent lamp is still installed in the luminaire you can also observe this through a digital camera (e.g. on your smartphone or tablet). If the light flickers, you need a SubstiTUBE® for operation on an EM ballast. No flicker means an electronic ballast is present and the tubes will not be compatible.



OSRAM SubstiTUBE® Basic G5 Basic, G13, 240V



Product reference	Product number (EAN)	$\frac{l}{\text{[mm]}}$	W ¹	lm ¹	K		R _a	t _h
ST8B-0.6m-9W-830-EM	4052899314658	590	9	820	3000	160°	>80	40,000
ST8B-0.6m-9W-840-EM	4052899314672	590	9	900	4000	160°	>80	40,000
ST8B-0.6m-9W-865-EM	4052899314696	590	9	900	6500	160°	>80	40,000
ST8B-1.2m-20W-830-EM	4052899314719	1,200	20	1,900	3000	160°	>80	40,000
ST8B-1.2m-20W-840-EM	4052899314733	1,200	20	2,100	4000	160°	>80	40,000
ST8B-1.2m-20W-865-EM	4052899314757	1,200	20	2,100	6500	160°	>80	40,000
ST8B-1.5m-22W-830-EM	4052899314771	1,500	22	2,160	3000	160°	>80	40,000
ST8B-1.5m-22W-840-EM	4052899314795	1,500	22	2,400	4000	160°	>80	40,000
ST8B-1.5m-22W-865-EM	4052899314818	1,500	22	2,400	6500	160°	>80	40,000

OSRAM SubstiTUBE® Value G5 Value, G13, 240V

Product reference	Product number (EAN)	$\frac{l}{\text{[mm]}}$	W ¹	lm ¹	K		R _a	t _h
ST8V-0.6m-8.9W-830-EM	4052899314832	590	8.9	720	3000	160°	>80	30,000
ST8V-0.6m-8.9W-840-EM	4052899314856	590	8.9	800	4000	160°	>80	30,000
ST8V-0.6m-8.9W-865-EM	4052899314870	590	8.9	800	6500	160°	>80	30,000
ST8V-1.2m-19W-830-EM	4052899314894	1,200	19	1,530	3000	160°	>80	30,000
ST8V-1.2m-19W-840-EM	4052899314917	1,200	19	1,700	4000	160°	>80	30,000
ST8V-1.2m-19W-865-EM	4052899314931	1,200	19	1,700	6500	160°	>80	30,000
ST8V-1.5m-21.5W-830-EM	4052899314955	1,500	21.5	1,890	3000	160°	>80	30,000
ST8V-1.5m-21.5W-840-EM	4052899314979	1,500	21.5	2,100	4000	160°	>80	30,000
ST8V-1.5m-21.5W-865-EM	4052899315037	1,500	21.5	2,100	6500	160°	>80	30,000

OSRAM e-News

Whether you are a Wholesale Distributor, OEM, Specifier, Lighting Designer or a Retailer, you will be kept up to date with all the latest products and technologies, promotions, industry and OSRAM News.

<http://osram.list-manage.com/subscribe?u=a44bc720e64fde9ab7cbb6be4&id=b2e5171639>

Highlights from our extensive product range



OSRAM DULUXSTAR® Mini
Twist 12 W – genuine low-cost replacement for 60 W incandescent lamps in a particularly compact format



HALOGEN ECO PRO CLASSIC A
46 W – genuine replacement for incandescent lamps with a classic shape and twice the life (up to 2000 hours)



POWERBALL® HCI®-T 50 W/830 –
new addition to the basic HCI® range with a luminous flux of approx. 5000 lm



LUMILUX® T5 HO CONSTANT –
constant luminous flux over an extremely wide temperature range

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