



# Light is universal OPTOTRONIC<sup>®</sup> LED drivers

SELV or non-isolated, compact or linear, constant-current or constant-voltage – OSRAM offers a broad portfolio of OPTOTRONIC<sup>®</sup> LED drivers that cover the demanding requirements for LED lighting applications.

Light is OSRAM





## Linear OSRAM OPTOTRONIC® constant-current LED drivers

Product range	Control/ isolation	Product name	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Rated current [mA] ± 5 %	Efficiency (max.) [%]	Ripple at (100Hz) [%]	Dimensions (LxWxH) [mm]	Ambient temperature range [°C]	T <sub>c</sub> max. time [°C] [h]	EL Emer- gency Lighting	Pro- tection class	Certificates & approba- tions	Standard pack [pcs.]
Dimmable	DALI – SELV	OTi DALI 35/220... 240/700 LT2 L	4052899 <b>245389</b>	4...37	198...264	20...54	200...700	≥90	<1	360x30x21	-25...+60	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Ja	I	CE, ENEC, VDE, EMC, EL	20
		OTi DALI 50/220... 240/1A4 LT2 L	4052899 <b>028098</b>	12...54	198...264	20...54	600...1400	≥89	<1	360x30x21	-25...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
		OTi DALI 80/220... 240/1A6 LT2 L	4052899 <b>028074</b>	12...80	198...264	20...54	600...1550	≥90	<1	360x30x21	-25...+50	80 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
		OTi DALI 80/220... 240/2A1 LT2 L	4052899 <b>028050</b>	32...80	198...264	20...54	1000...2100	≥90	<1	360x30x21	-25...+45	80 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
	DALI – non-isolated	OTi DALI 60/220... 240/550 D LT2 L	4052899 <b>188662</b>	1.5...60	198...264	54...240	120...550	≥92	<10	280x30x21	-25...+60	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
		OTi DALI 90/220... 240/1A0 LT2 L	400832 <b>1867568</b>	13.5...90	198...264	54...240	250...1000	≥92	<10	280x30x21	-25...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
Non-dimmable	OT FIT – SELV	OT FIT 35/220... 240/700 CS L	4052899 <b>032828</b>	13...35	198...264	27...54	700/600/500	≥86	<7	280x30x21	-25...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
		OT FIT 50/220... 240/1A0 CS L	4052899 <b>032804</b>	23...55	198...264	27...54	1050/925/800	≥86	<7	280x30x21	-25...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
		OT FIT 80/220... 240/1A6 CS L	4052899 <b>032781</b>	32...83	198...264	27...54	1550/1400/1200	≥87	<7	360x30x21	-25...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
	OTi – non-isolated	OTi 60/220... 240/550 D LT2 L	4052899 <b>188419</b>	6.5...60	198...264	54...240	120...550	≥92	<10	280x30x21	-25...+60	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
		OTi 90/220... 240/1A0 D LT2 L	4052899 <b>188556</b>	13.5...90	198...264	54...240	250...1000	≥92	<10	280x30x21	-25...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
	OT FIT – non-isolated	OT FIT 35/220... 240/125 D L	4052899 <b>222557</b>	6.8...27	198...264	54...216	125	≥90	<10	210x30x21	-15...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20
OT FIT 50/220... 240/250 D L		4052899 <b>222571</b>	13.5...54	198...264	54...216	250	≥90	<10	210x30x21	-15...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20	
OT FIT 50/220... 240/350 D L		4052899 <b>222595</b>	18.9...52	198...264	54...150	350	≥90	<10	210x30x21	-15...+50	75 50k <sup>1)/</sup> 100k <sup>2)</sup>	Yes	I	CE, ENEC, VDE, EMC, EL	20	

1) At max. T<sub>c</sub> temperature, max. failure rate of 10% 2) Operating at 10°C lower than max. T<sub>c</sub>, max. failure rate of 10%

Linear OPTOTRONIC® LED drivers are the perfect solution for a wide variety of constant-current-based luminaires and applications such as office or industry lighting.

### Main benefits at a glance

- Three product families with a wide dimming range (1...100 %) or switchable, with fixed or selectable output current
- SELV and non-isolated versions: Many possible combinations with any LED module
- Easy LED retrofit as well as integration into new LED luminaires thanks to the 30x21 mm housing
- High level of efficiency, reliability and safety
- Fully programmable and digital platform (DALI)



All details on relevant guarantees (3 or 5 years) and the general requirements can be found at: [www.osram.com/guarantee](http://www.osram.com/guarantee)



All linear OPTOTRONIC® LED drivers stand for a high quality of light thanks to a low ripple @ 100Hz (< 10%)



More information on the Tuner4TRONIC™ software can be found on the back of this folder and at: [www.osram.com/t4t](http://www.osram.com/t4t)



Compact OPTOTRONIC® LED drivers are the perfect solution for a wide variety of constant-current-based luminaires as well as spotlight and downlight applications.

### Main benefits at a glance

- Three product families with a wide dimming range (1...100%) or switchable, with selectable output current
- Compact housing for creative freedom in luminaire design as well as easy installation into existing luminaires

### OT cable clamps

Product name	Product number	Dimensions (LxWxH) [mm]	Standard pack [pcs.]
A-STYLE	4052899089570	35x65x25	20
B-STYLE	4052899077881	35x58x29.5	20
B-STYLE TL	4052899268227	75x92x29,5	20
D-STYLE	4052899077904	38.5x33x29.5	40
E-STYLE	4052899167896	38x53x25	20



A-STYLE B-STYLE B-STYLE TL D-STYLE E-STYLE



All details on relevant guarantees (3 or 5 years) and the general requirements can be found at: [www.osram.com/guarantee](http://www.osram.com/guarantee)



All compact OPTOTRONIC® OTi DALI and OT FIT LED drivers stand for a high quality of light thanks to a low ripple @ 100Hz (< 10%)



More information on the Tuner4TRONIC™ software can be found on the back of this folder and at: [www.osram.com/t4t](http://www.osram.com/t4t)

## Compact OSRAM OPTOTRONIC® constant-current LED drivers

Product range	Control/isolation	Product name	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Rated current [mA] ± 5%	Efficiency (max.) [%]	Ripple at (100Hz) [%]	Dimensions (LxWxH) [mm]	Ambient temperature range [°C]	T <sub>c</sub> max. [°C]	Lifetime [h]	EL Emergency Lighting	Pro-tection class	Certificates & approbations	Cable clamp kit	Standard pack [pcs.]
Dimmable	DALI – SELV	OTi DALI 25/220... 240/700 LT2	4052899919457	10...27	198...264	12...54	180...700	≥86	<2	103x67x29.5	-20...+50	75	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	B-STYLE, ... TL	20
		OTi DALI 35/220... 240/1A0 LT2	4052899919440	15...35	198...264	15...54	350...1050	≥86	<2	103x67x29.5	-20...+50	75	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	B-STYLE, ... TL	20
		OTi DALI 50/220... 240/1A4 LT2 FAN	4052899919433	22...55	198...264	15...54	600...1400	≥91	<2	110x75x25	-20...+50	80	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	A-STYLE	20
	PhaseCut (PC) – SELV	OTe 10/220... 240/700 PC	4052899105300	5...10	198...264	7...14	700	≥79	35	95x53x25	-20...+55	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, CB, F, MM	E-STYLE	20
		OTe 13/220... 240/350 PC	4052899105324	6.5...13.5	198...264	18...38	350	≥82	25	95x53x25	-20...+55	85	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, CB, F, MM	E-STYLE	20
		OTe 18/220... 240/500 PC	4052899105362	9...18	198...264	18...36	500	≥84	<35	95x53x30	-20...+55	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, CB, F, MM	E-STYLE	20
		OTe 18/220... 240/350 PC	4052899105348	9.5...19	198...264	27...54	350	≥84	<35	95x53x30	-20...+55	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, CB, F, MM	E-STYLE	20
		OTe 25/220... 240/700 PC	4052899105386	12.5...25	198...264	18...36	700	≥85	<35	95x53x30	-20...+50	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, CB, F, MM	E-STYLE	20
		OTe 35/220... 240/700 PC	4008321825520	19...35	198...264	27...50	700	≥85	<35	153x54x36	-20...+45	75	35k <sup>1)</sup> /50k <sup>2)</sup>	No	II	CE, ENEC, VDE, CB, F, MM		10
Non-dimmable	OT FIT – SELV	OT FIT 15/220... 240/350 CS	4052899919426	7...19	198...264	27...54	250/300/350	≥83	<5	103x67x29.5	-25...+50	75	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	B-STYLE, ... TL	20
		OT FIT 25/220... 240/500 CS	4052899919419	11...27	198...264	27...54	400/450/500	≥85	<5	103x67x29.5	-25...+50	75	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	B-STYLE, ... TL	20
		OT FIT 35/220... 240/700 CS	4052899919402	15...37.5	198...264	27...54	550/600/700	≥87	<5	103x67x29.5	-25...+50	75	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	B-STYLE, ... TL	20
		OT FIT 50/220... 240/1A0 CS	4052899166318	56	198...264	27...54	800/900/1050	≥89	6	103x67x29.5	-25...+50	75	50k <sup>1)</sup> /100k <sup>2)</sup>	Yes	I / II	CE, ENEC, VDE, EMC, F, MM, EL	B-STYLE, ... TL	20
		OT ECO – SELV	OTe 25/220... 240/420 CS	4052899917538	8...23	198...264	27...54	290/350/420	≥85	20 <sup>3)</sup>	97x43x29.5	-20...+50	75	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	D-STYLE
		OTe 25/220... 240/700 CS	4052899917545	9...25	198...264	18...36	500/600/700	≥85	25 <sup>3)</sup>	97x43x29.5	-20...+50	75	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	D-STYLE	20
		OTe 35/220... 240/700 CS	4052899917569	13...37	195...264	27...54	500/600/700	≥87	25 <sup>3)</sup>	103x67x29.5	-20...+50	75	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	B-STYLE, ... TL	20
		OTe 35/220... 240/700 CS S	4052899917552	13...37	195...264	27...54	500/600/700	≥87	25 <sup>3)</sup>	110x43x29.5	-20...+50	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM		20
		OTe 35/220... 240/1A0 CS	4052899917668	14...36	195...264	17...34	800/925/1050	≥87	30 <sup>3)</sup>	103x67x29.5	-20...+50	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	B-STYLE, ... TL	20
		OTe 35/220... 240/1A0 CS S	4052899917651	14...36	195...264	17...34	800/925/1050	≥87	25 <sup>3)</sup>	110x43x29.5	-20...+50	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM		20
		OTe 50/220... 240/1A0 CS	4052899917576	22...56	198...264	27...54	800/925/1050	≥87	20 <sup>3)</sup>	103x67x29.5	-20...+50	85	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	B-STYLE, ... TL	20
		OTe 50/220... 240/1A4 CS	4052899917583	21...50	198...264	18...36	1150/1250/1400	≥87	25 <sup>3)</sup>	103x67x29.5	-20...+50	80	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	B-STYLE, ... TL	20
		OTe 50/220... 240/1A0 CS FAN	4052899919396	22...56	198...264	27...54	700/900/1050	≥88	30 <sup>3)</sup>	103x67x29.5	-20...+50	95	35k <sup>1)</sup> /50k <sup>2)</sup>	No	I / II	CE, ENEC, VDE, F, MM	B-STYLE, ... TL	20

1) At max. T<sub>c</sub> temperature, max. failure rate of 10% 2) Operating at 10°C lower than max. T<sub>c</sub>, max. failure rate of 10% 3) Typical



## OSRAM OPTOTRONIC® constant-voltage (24V) LED drivers

Product range	Product name	Product number	Power [W]	Input voltage [V]	Output voltage [V]	Efficiency (max.) [%]	Surge protection [kV]	Dimensions (LxWxH) [mm]	Ambient temperature range [°C]	T <sub>c</sub> max [°C]	Lifetime [h]	IP code	Protection class	Certificates & approvals	Standard pack [pcs.]
Indoor	OT 8/200...240/24	4008321 <b>040169</b>	8	198...264	24	75	1	80x40x22	-20...+50	80	30k <sup>1</sup> /50k <sup>2</sup>	IP20	II	CE, ENEC, VDE-EMC	50
	OT 20/220...240/24	4050300 <b>618111</b>	20	198...264	24	83	1	109x50x35	-20...+45	70	30k <sup>1</sup> /50k <sup>2</sup>	IP20	II	CE, ENEC, VDE, VDE-EMC, GOST, C-Tick	20
	OT 50/220...240/24	4052899 <b>905566</b>	50	198...264	24	85	2	242x40x16	-20...+45	95	30k <sup>1</sup> /50k <sup>2</sup>	IP20	II	CE, ENEC, CB, C-Tick	20
	OT 75/220...240/24	4050300 <b>817477</b>	75	198...264	24	90	1	220x47x44	-20...+50	80	30k <sup>1</sup> /50k <sup>2</sup>	IP20	II	CE, ENEC, VDE, VDE-EMC, GOST, C-Tick	10
	OTi DALI 75/220...240/24 1...4CH	4008321 <b>371560</b>	75	198...264	24	89	2	220x47x44	-20...+50	75	30k <sup>1</sup> /50k <sup>2</sup>	IP20	II	CE, ENEC, VDE, VDE-EMC, GOST, C-Tick	10
Outdoor	OT 6/200...240/24 CE	4008321 <b>113269</b>	6	198...264	24	80	1	51x50x22	-20...+50	70	30k <sup>1</sup> /50k <sup>2</sup>	IP65	II	CE, ENEC, VDE	50
	OT 30/220...240/24 P	4052899 <b>043497</b>	30	198...264	24	85	4	220x40x22	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP66	II	CE, ENEC, CB	30
	OT 50/220...240/24 P	4052899 <b>043510</b>	50	198...264	24	86	4	220x40x22	-25...+55	90	30k <sup>1</sup> /50k <sup>2</sup>	IP66	II	CE, ENEC, CB	30
	OT 75/220...240/24 E	4008321 <b>362476</b>	75	198...264	24	89	3	241x43x30	-20...+60	85	30k <sup>1</sup> /50k <sup>2</sup>	IP64	I	CE, ENEC, VDE, VDE-EMC, GOST, C-Tick	10
	OT 80/220...240/24 P	4008321 <b>981684</b>	80	198...264	24	87	3-6	250x50x34	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP67	II	CE, CB, C-Tick	10
	OT 120/220...240/24 P	4008321 <b>981707</b>	120	198...264	24	90	3-6	250x60x39	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP67	I	CE, CB, C-Tick	10
	OTe 120/220...240/24 E	4008321 <b>645715</b>	120	198...264	24	90	1	258x51x45	-10...+50	70	30k <sup>1</sup> /50k <sup>2</sup>	IP64	I	CE, CB, C-Tick	10
	OT 240/220...240/24 P	4008321 <b>981721</b>	240	198...264	24	93	3-6	250x80x39	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP67	I	CE, CB, C-Tick	8
	OT 80/220...240/24 DIM P	4008321 <b>981677</b>	80	198...264	24	87	3-6	250x50x34	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP67	II	CE, CB, C-Tick	10
	OT 120/220...240/24 DIM P	4008321 <b>981691</b>	120	198...264	24	89	3-6	250x60x39	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP67	I	CE, CB, C-Tick	10
	OT 240/220...240/24 DIM P	4008321 <b>981714</b>	240	198...264	24	92	3-6	250x80x39	-25...+55	80	30k <sup>1</sup> /50k <sup>2</sup>	IP67	I	CE, CB, C-Tick	8

1) At max. T<sub>c</sub> temperature, max. failure rate of 10 %

2) Operating at 10°C lower than max. T<sub>c</sub>, max. failure rate of 10 %

OPTOTRONIC® LED drivers with constant voltage are the perfect solution for a wide variety of luminaire types and can be used indoors and outdoors, for example in shop lighting, hospitality, signage applications or facade lighting.

### Main benefits at a glance

- Extensive portfolio for indoor and outdoor applications
- Dimmable (DALI and 1...10V DIM) and non-dimmable versions available
- Wide power range (6W–240W), suitable for luminaires with protection class I and II
- High level of efficiency, reliability and safety



All details on relevant guarantees (3 or 5 years) and the general requirements can be found at:  
[www.osram.com/guarantee](http://www.osram.com/guarantee)



## Tuner4TRONIC™

Software for OEM use to configure all programmable OPTOTRONIC®, QUICKTRONIC® and POWERTRONIC® drivers in the luminaire manufacturing process.

- Optimally suited for programming in luminaire manufacturing
- For fast manual as well as automatic programming
- Works with DALI magic and OT Programmer hardware
- Optimal for pre-parameterization as well as for the use of OSRAM's pre-parameterization service

For more product-specific information, please go to:

- OPTOTRONIC®: [www.osram.com/optotronic](http://www.osram.com/optotronic)
- LEDset: [www.osram.com/ledset](http://www.osram.com/ledset)
- DALI: [www.osram.com/dali](http://www.osram.com/dali)
- Tuner4TRONIC™: [www.osram.com/t4t](http://www.osram.com/t4t)

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