

Constant-current LED control gears

LEDset control gears

NEW

OT 35/220-240/700 LTCS, OT 45/220-240/700 LTCS



- Current selection with LEDset or DIP switch
- Current output range: 100–700 mA
- High efficiency and flexibility
- Long lifetime: up to 50,000 hours
- "One driver fits all"
- Available power classes: 35 and 45 W
- Optional: 45W version with DALI

Control gears with sensor input

NEW

OTe 13/220-240/350 SD, OTe 25/220-240/2x350 SD



- 1-channel or 2-channel 350 mA control gear
- Long lifetime: up to 50,000 hours
- StepDIM by external switch or PIR sensor
- Available power classes: 12 and 24 W

www.osram.com/optotronic

OPTOTRONIC®. Long-lasting value for you.

LED technology is changing the world of general lighting. In luminaire design, however, the various benefits of LEDs can only be achieved with perfectly matched control gears.

The lifetime of luminaires used to be limited mainly by the lamp and not by the ECG. Nowadays, long-life LED modules require long-life equipment – such as our OPTOTRONIC® control gears.

Moreover, LED technologies also provide a high level of flexibility in luminaire design. OPTOTRONIC® control gears contribute to this flexibility by allowing a wide power and current range and by their future-proof design, which makes them ready for coming LED generations.

In addition, OPTOTRONIC® control gears offer various dimming methods that lead to higher energy savings and thus make today's LED systems very economical solutions.

OPTOTRONIC® at a glance

- As durable as the corresponding LED modules
- Full flexibility for luminaire design
- Future-proof solutions
- Energy savings through controlled dimming

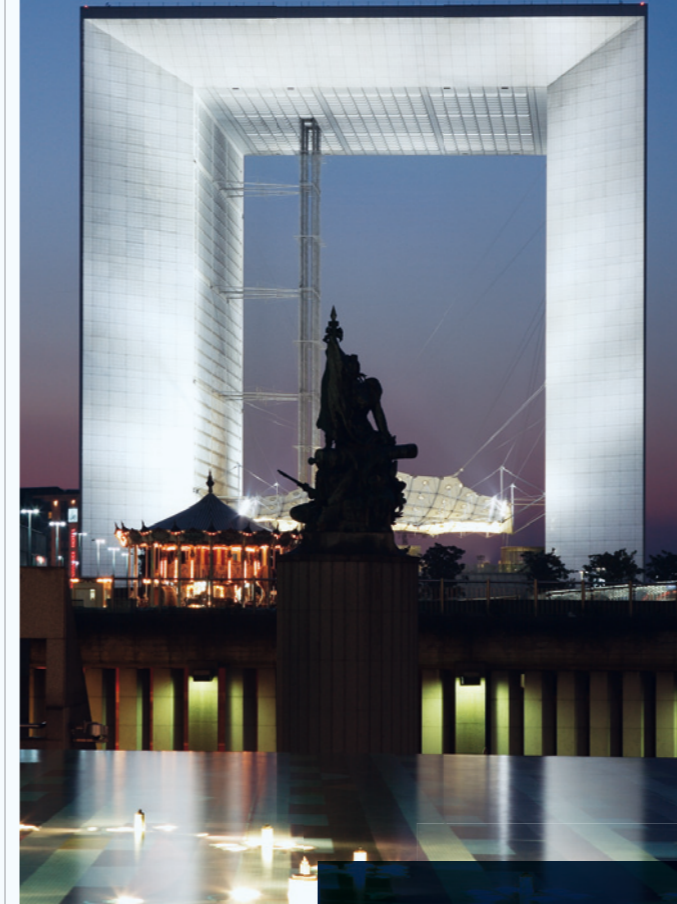
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OSRAM LED
 CREATING TOMORROW

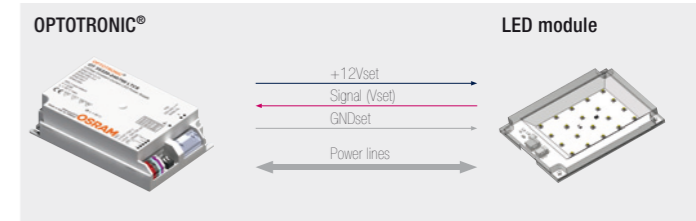
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LEDset – simple effective tuning

What do you gain from LEDset?

Flexibility to set the lumen output:	"Lumen counts, not current", future-proof
Long-life operation:	Customized thermal protection
Customization of the luminaire:	Flexible adaption to required luminaire feature set
Energy efficiency:	Simple dimming of the LED module

LEDset interface



Auxiliary supply	Constant lumen output	Current setting	Over-temperature derating	Dimming
<ul style="list-style-type: none"> • For control logic (μc, IC) on the LED module • For 12V low-power LED module 		<ul style="list-style-type: none"> • By resistor 		<ul style="list-style-type: none"> • With lin/log potentiometer

Existing products

Product reference	Product number	Output	Power/Current	IP code	Dim code
Constant-current LED control gears					
OT 9/220-240/350	4008321888262	350 mA	9 W	IP20	–
OT 9/10-24/350 DIM	4050300888897	350 mA	9 W	IP20	Poti*
OT 9/200-240/350 DIM	4008321187321	350 mA	9 W	IP20	Poti*
OT 18/200-240/700 DIM	4008321139320	700 mA	18 W	IP20	Poti*
Dimmers					
OT EASY 32 CC	4008321547088	4 x 350 mA	4 x 8 W	IP20	EASY
OT DMX 3x350 DIM LI	4008321602060	350 mA	3 x 8 W	IP20	DMX
OT DMX 6x350/700 DIM SO	4008321572684	6 x 50–700 mA	6 x 30 W	IP20	DMX
OT DMX 12x350/700 DIM SO	4008321572707	12 x 50–700 mA	12 x 30 W	IP20	DMX
Constant-voltage LED control gears					
OT 6/200-240/10 CE	4008321113306	10 V	6 W	IP65	–
OT 12/220-240/10 LE	4008321174253	10 V	12 W	IP65	–
OT 15/220-240/10	4008321391544	10 V	15 W	IP20	–
OT 50/220-240/10	4050300817491	10 V	50 W	IP20	–
OT 50/220-240/10 E	4008321362452	10 V	50 W	IP64	–
OT 6/200-240/24 CE	4008321113269	24 V	6 W	IP65	–
OT 8/220-240/24	4008321040169	24 V	8 W	IP20	–
OT 20/220-240/24	4050300618111	24 V	20 W	IP20	–
OT 20/220-240/24 S	4008321662626	24 V	20 W	IP20	–
OT EASY 60 II	4008321187796	24 V	60 W	IP20	EASY
OT 65/220-240/24 3DIM E	4008321964403	24 V	65 W	IP65	3DIM
OT 75/220-240/24	4050300817477	24 V	75 W	IP20	–
OT 75/220-240/24 E	4008321362476	24 V	75 W	IP64	–
OT DALI 75/220-240/24 1-4 ch	4008321371560	24 V	75 W	IP20	D/T**
Dimmers					
OT DALI DIM	4008321061195	10–24 V	5 A	IP20	D/T**
OT DALI DIM LI	4008321624437	10–24 V	4 A	IP20	D/T**
OT DIM	4050300943459	10–24 V	5 A	IP20	1...10V
OT RGB DIM	4050300793108	10–24 V	3 x 2 A	IP20	1...10V
OT RGB Sequencer	4050300792460	10–24 V	3 x 2 A	IP20	1...10V
OT DMX RGB DIM	4008321160829	10–24 V	3 x 2 A	IP20	DMX
OT DMX 3x1 RGB DIM	4008321279835	10–24 V	3 x 1 A	IP20	DMX
OT DMX 3x2.5A DIM	4008321533265	10–24 V	3 x 2.5 A	IP20	DMX
OT DMX 3x2.5A PCB DIM	4008321533289	10–24 V	3 x 2.5 A	IP20	DMX
OT DMX 9x2A DIM SO	4008321533302	10–24 V	9 x 2 A (14A max.)	IP20	DMX

* Poti = Potentiometer
** DALI/Touch DIM®

Constant-voltage LED control gears

12V control gears for signage



OTe 15/220-240/12 P, OTe 30/220-240/12 P
OTe 60/220-240/12 P, OTe 120/220-240/12 P



- Designed for outdoor applications with type of protection IP65
- Long lifetime: up to 50,000 hours
- Available power classes: 15, 30, 60 and 120 W

More information at www.osram.com/ote12v

24V dimmable control gears



OT 80/220-240/24 DIM P, OT 80/220-240/24 P
OT 120/220-240/24 DIM P, OT 120/220-240/24 P
OT 240/220-240/24 DIM P, OT 240/220-240/24 P



- Type of protection IP67
- Long lifetime: up to 50,000 hours
- Surge protection up to 3 kV (L/N)
- Tailored for LINEARlight Flex® Protect modules
- Optional: fully isolated 1...10V interface
- Available power classes: 80, 120 and 240 W



Constant-current LED control gears

Control gears with LEDset/3DIM



OT 45/220-240/700 3DIMLT E
OT 90/220-240/700 3DIMLT E, OT 90/220-240/700 LT E
OT 150/220-240/700 3DIMLT E, OT 150/220-240/700 LT E



- Current setting with LEDset or 3DIM (70–700 mA)
- 3DIM with constant lumen output
- Very high efficiency
- Extremely long lifetime: up to 85,000 hours
- High surge protection up to 4 kV (L/N)
- Suitable for luminaires of protection class II
- Available power classes: 45, 90 and 150 W

Robust medium-power control gears



OT 42/220-240/350 E, OT 42/220-240/500 E, OT 42/220-240/700 E



- Available current output: 350, 500 and 700 mA
- Wide ambient temperature range
- High efficiency
- Long lifetime: up to 50,000 hours
- Surge protection up to 3 kV (L/N)
- Suitable for luminaires of protection class II
- Available power class: 45 W

Multi-channel control gears



OTe 90/220-240/4x350 E, OTe 90/220-240/4x500 E



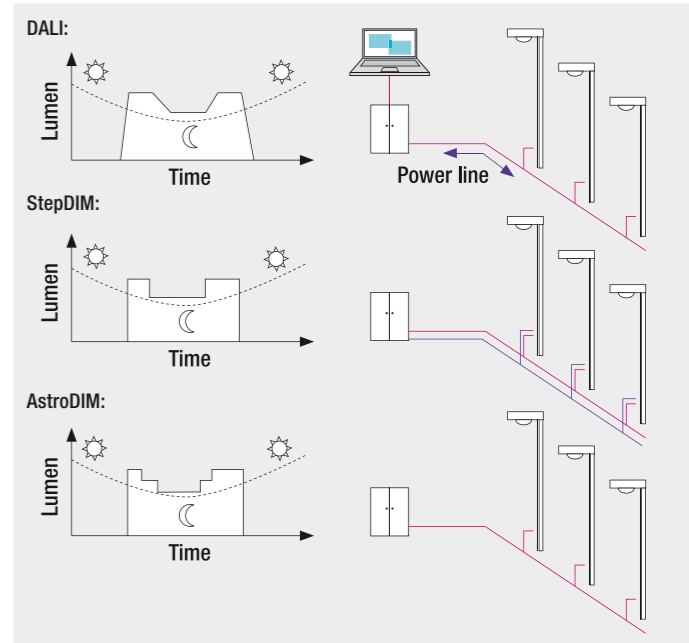
- Highly efficient 4-channel control gears
- Available current output: 350 and 500 mA
- For simple luminaire design
- Maximum output voltage of < 60 V
- Surge protection up to 3 kV (L/N)
- Designed for luminaires of protection class I
- Available power class: 90 W

3DIM – control the night

3DIM dimming functions

DALI: Communication in telemanagement systems, continuous dimming within dimming range
StepDIM: Switching between two power levels
AstroDIM: Autonomous dimming without external control

3DIM operating modes



Customizable settings for outdoor control gears – fully programmable via 3DIM tool (software)

Constant lumen output: Compensation of the lumen depreciation of the LED modules
Current setting: Programming of the driving current for the LED modules

More information at www.osram.com/3dim