

Electronic control gears from OSRAM – innovative technology for energy-efficient lighting

A perfect combination

You can expect more than just components. You can expect a perfect system. As one of the world's leading suppliers in the lighting sector, OSRAM provides you with perfectly matched components: high-quality ECGs and lamps.

Your benefits

- Lamps and ECGs from a single source
- Maximum reliability in system operation
- Only one point of contact in all matters relating to lighting

High reliability today and in the future

Opting for ECGs from OSRAM is always the right decision – customers across the globe appreciate the reliability of our products as well as being able to save time and money. The highly reliable temperature and lifespan specifications from OSRAM are particularly valued, with only minimal occurrences of failure even in thermally critical situations.

Your benefits

- Compliance with current regulations and, in certain cases, conformity with planned regulations
- Maximum energy efficiency in lighting solutions
- The use of standard protocols enhanced by globally unique features
- State-of-the-art technology
- OSRAM's proven quality, reliability and guarantee

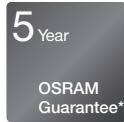
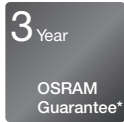


National Stadium Warsaw



Philological Library

Quality as part of a system – from one source
OSRAM's guarantee for electronic control gears and
selected light sources – extract from guarantee terms and conditions



Electronic control gears

Electronic control gears

Guarantee Level 1

Guarantee Level 2

OSRAM guarantee

OSRAM guarantee

OSRAM offers a full 3-year guarantee on products from the series:

OSRAM offers a full 5-year guarantee on products from the series:

POWERTRONIC® PTg
 HALOTRONIC® PARROT

QUICKTRONIC® DALI dimmable
 QUICKTRONIC® 1...10 V dimmable
 QUICKTRONIC® INTELLIGENT
 QUICKTRONIC® PROFESSIONAL
 QUICKTRONIC® FIT
 POWERTRONIC® (PTi, PTo, PT-FIT)
 HALOTRONIC® PROFESSIONAL (HTi, HTL, HTM, HTN)

The guarantee starts with commissioning of the corresponding electronic control gears (ECGs) from OSRAM and ends no later than 42 months after the OSRAM product was manufactured.

The guarantee starts with commissioning of the corresponding electronic control gears (ECGs) from OSRAM and ends no later than 66 months after the OSRAM product was manufactured.

Registration is not required.

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For each product from the above-specified series that fails due to a material or manufacturing defect, a replacement or credit note will be provided as part of the guarantee service.

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* The full conditions and details of guarantee level 1 can be found on the Internet at www.ledvance.com/guarantee

* The full conditions and details of guarantee level 2 can be found on the Internet at www.ledvance.com/guarantee



QUICKTRONIC®

QUICKTRONIC® INTELLIGENT dimmable QT_i (DALI)...DIM

QT_i dimmable – DALI or 1...10 V interface

The current generation of dimmable QUICKTRONIC® INTELLIGENT control gears with DALI (Digital Addressable Lighting Interface) or 1...10 V interface (QT_i DALI/DIM):

- Automatic lamp detection by intelligent multilamp operation and use of a large number of different lamps
 - Flexible luminaires and reduction of number of ECG types

Highest level of energy efficiency. Particularly low standby consumption for OSRAM DALI ECGs.

- Energy Efficiency Index EEI = A1 BAT
- Very low standby consumption:
 - QT_i DALI 1x, 2x: 0.2 W (AC and DC operation)
 - QT_i DALI 3x, 4x: < 0.5 W (AC and DC operation)
- Switching and dimming has no influence on lamp lifespan
- Optimum preheating at any dimming setting
- Dimming range: 1...100 % luminous flux

Outstanding flexibility and quality.

Amalgam and longlife lamps.

- Dimming to 1 % with T5/T5 CONSTANT, T5 Energy Saver and T5 XT Longlife lamps
- Large number of additional ECG/lamp combinations (OSRAM DULUX® L...HE, XT)
- Up to 100,000 h service life at T_c = 65 °C, at max. 10 % failure
- Suitable for luminaires with protection class I
- Optimized lamp hot start within 0.5 s
- OSRAM CFL and T5 CONSTANT lamps: dimming in outdoor applications possible
- Maximum efficiency of OSRAM dimming ECGs of up to 94 % thanks to high-efficiency components and temperature-dependent cut-off. For dimmer settings > 80 % disconnection of electrode heating
 - Additional energy savings of up to 4 W (depending on type)

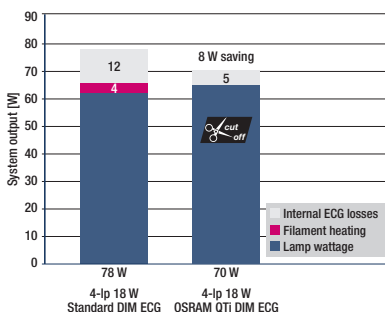


- Fit for SMART GRID for feedback of mains power input and lamp operating hours



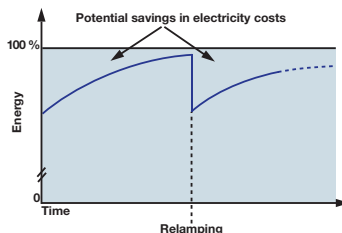
- Fit for Emergency function (configurable automatic detection of emergency light operation via ECG)

QT_i DIM electronic control gears from OSRAM are renowned for their optimized system efficiency



Values related to the same luminous flux (Ballast Lumen Factor) (BLF) for all QT_i DIM = 1.0

Adjustment of the planning factor (0.8) thanks to the use of dimmable ECGs saves an additional 10 % in electricity costs



With a 2x HO 49 W luminaire, at an electricity price of 0.10 €/kWh, 20 € are additionally saved over its lamp life-span merely with the planning factor adjustment (0.8): 10 % of 110 W x 18,000 h x 0.10 €/kWh = 20 €/luminaire in 4 years. This adjustment can be via the building management system or a light sensor.



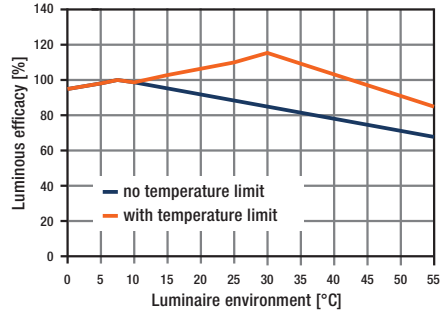
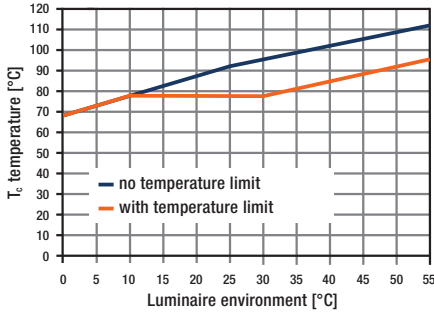
- CORRIDOR FUNCTION for direct connection of the ECG to standard motion sensors (or free configuration)



- Touch DIM® operation for up to 20 DALI ECGs



Temperature modification regulation with QTl DALI ECG



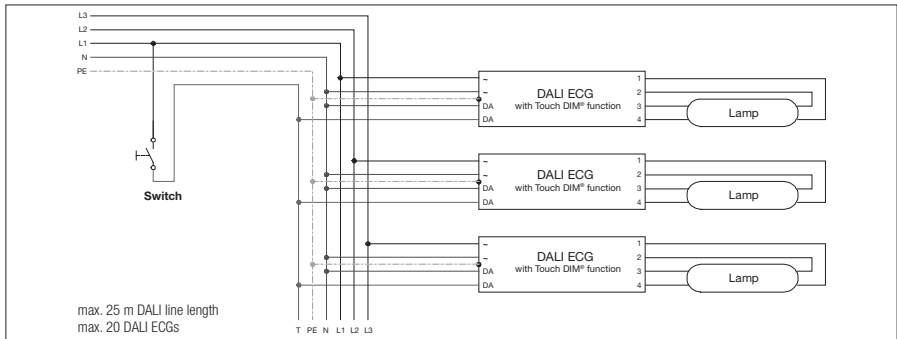
- Effective temperature protection via intelligent power reduction at high T_c temperatures
- > Simplifies safety accreditation for hot luminaires

The benefits are a significant increase of luminous efficacy (lm/W) of hot luminaires and reduced thermal load for luminaire components

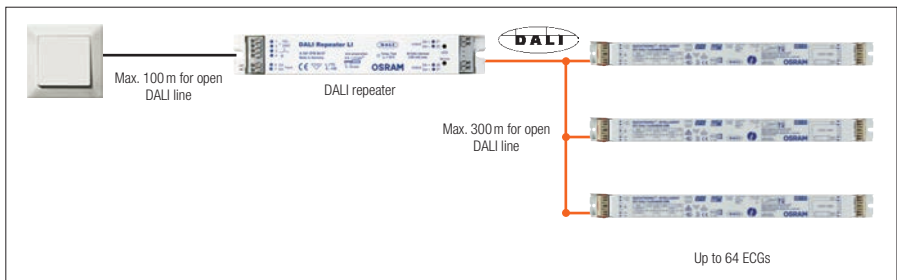
- End of Life (EoL) disconnection in line with Test 2 (asymmetric power test)
- DALI standard in accordance with IEC 60929 and IEC 62386

QTl DALI DIM – DALI or Touch DIM® in one unit

- Touch DIM® – dimming without dimmers via the direct connection of standard push-buttons or standard motion sensors



- Operation of up to 64 DALI ECGs via repeaters



OSRAM always has the right control gear for you

For T5/Ø16 mm and T8/Ø26 mm fluorescent lamps

– QUICKTRONIC® INTELLIGENT QTI

Thanks to intelligent lamp detection, over 50 % fewer ECG types and greater flexibility for lighting systems. Up to three lighting levels provided with only one luminaire.

- Up to 100,000 h lifespan*
- Suitable for luminaires with protection class I and II



– QUICKTRONIC® PROFESSIONAL QTP5

- 2nd generation (GII) of the durable 100,000 h preheat start ECG*
- Also for protection class II luminaires



– QUICKTRONIC® PROFESSIONAL QTP-OPTIMAL

- For T5, T8 and DULUX® lamps
- 3rd generation of the durable 100,000 h preheat start QTP ECG*
- Also for protection class II luminaires
- Only 4 ECG types instead of 16, giving greater flexibility in luminaire production and warehousing as well as simplified assembly due to uniform geometry and wiring



– QUICKTRONIC® QTz8

- For T8 lamps
- Simple ECG for semi-professional applications

– QUICKTRONIC® QTP-FC, QTP-M and QT-M

- The compact control units for filigree T5 ring lamps

– QUICKTRONIC® QT-FIT 5/8

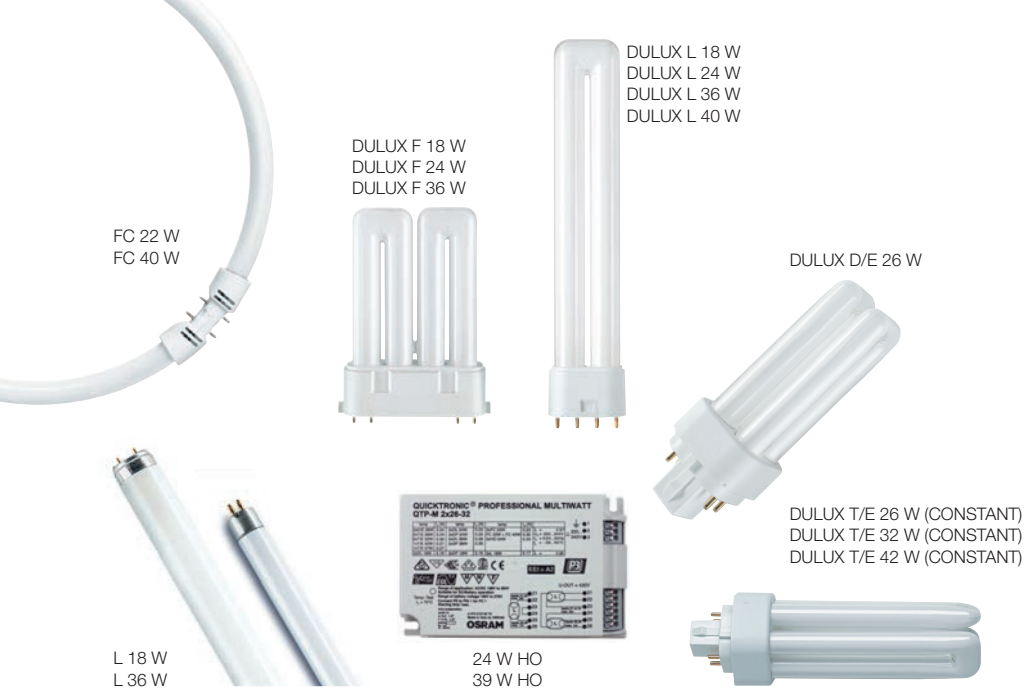
- The reliable 50,000 h preheat start ECG**
- For T5 or T8 lamps
- Especially energy-saving together with motion sensors

– QUICKTRONIC® QT-FIT8

- The reliable 50,000 h preheat start ECG**
- Especially energy-saving together with motion sensors



* At 10 % failure and T_a max -10 °C
 ** At 10 % failure



For compact fluorescent lamps

– QUICKTRONIC® MULTIWATT-QTP-M and QT-M

The universal hot restrike ECGs for up to 18 different lamps (OSRAM DULUX® L, F, D/E, T/E, ...) from 18 to 42 W

– QUICKTRONIC® PROFESSIONAL QTP-DL

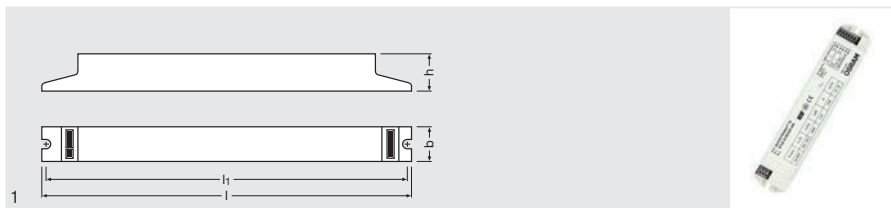
For OSRAM DULUX® L and F from 18 to 55 W and QTP-D/E, T/E for OSRAM DULUX® T/E, D/E and S/E from 9 to 42 W

– QUICKTRONIC® ECONOMIC

The electronic alternative to the LLCG – for OSRAM DULUX® S/E, D/E, T/E, T5, T8 from 4 to 26 W



QUICKTRONIC® QTz8 – ECG for T8/26 mm lamps



Product name	GTIN (EAN)		I_m	A	W SYSTEM	
QTz8 1X18	4008321863263	1xL 18	1x1350	0.09	20	0.95
QTz8 1X36	4008321863287	1xL 36	1x3200	0.16	36	0.96
QTz8 2X18	4008321863300	2xL 18	2x1350	0.09	23	0.95
QTz8 2X36	4008321863324	2xL 36	2x3200	0.32	71	0.98
QTz8 3X18	4008321863348	3xL 18	3x1350	0.25	54	0.97
QTz8 4X18	4008321863362	4xL 18	4x1350	0.25	54	0.97

Product name	T_a	kHz ECG	l [mm]	b [mm]	h [mm]		
QTz8 1X18	-15...+50	30...45	150	40	28	20	1
QTz8 1X36	-15...+50	30...45	150	40	28	20	1
QTz8 2X18	-15...+50	30...45	150	40	28	20	1
QTz8 2X36	-15...+50	30...45	210	40	30	20	1
QTz8 3X18	-15...+50	30...45	210	40	30	20	1
QTz8 4X18	-15...+50	30...45	210	40	30	20	1

Product features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 50 Hz 60 Hz
- Energy Efficiency Index EEI: A2

Areas of application

- Public buildings
- Sports halls
- Strip lighting
- Suitable for luminaires of protection class I

Product benefits

- Compact housing
- Automatic restart after lamp replacement

