

QUICKTRONIC INTELLIGENT DIM CFL

ECG dimmable 1...10 V for CFL



Areas of application

- Suitable for use in emergency lighting systems as per EN 50172/DIN VDE 0108-100
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Suitable for luminaires of protection class I

Product family benefits

- Same luminous flux with direct and alternating current
- Perfect lamp start for applications with motion sensors
- Dimming of amalgam lamps without flickering or reduced lifespan
- Very high efficiency thanks to cut-off technology
- Automatic restart after lamp replacement
- ECGs comply with MINERGIE standard due to very low standby consumption
- Configurable emergency power characteristics
- Control via the 1...10 V interface

Product family datasheet

Product family features

- Control via 1...10 V interface
- Supply voltage: 220...240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Dimming range: 3...100 % luminous flux
- Lamp start: within 0.6 s
- Lifetime: > 100,000 h (for $T = 65\text{ °C}$ at T_c)
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Energy Efficiency Index EEI: A1 BAT
- Overtemperature protection: Thermal management at high t_c temperatures
- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929
- RI suppression: to EN 55015:2006+A1:2007+A2:2009/CISPR 15
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547

Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Mains frequency	Input voltage DC
1X18...57 DIM ¹⁾	220...240 V	50...60 Hz	154...276 V
2X18...42 DIM ¹⁾	220...240 V	50...60 Hz	154...276 V

¹⁾ See product remark

Light technical data

Product description	Starting time
1X18...57 DIM ¹⁾	0.6 s ²⁾
2X18...42 DIM ¹⁾	0.6 s ²⁾

¹⁾ See product remark

²⁾ Optimized preheat start

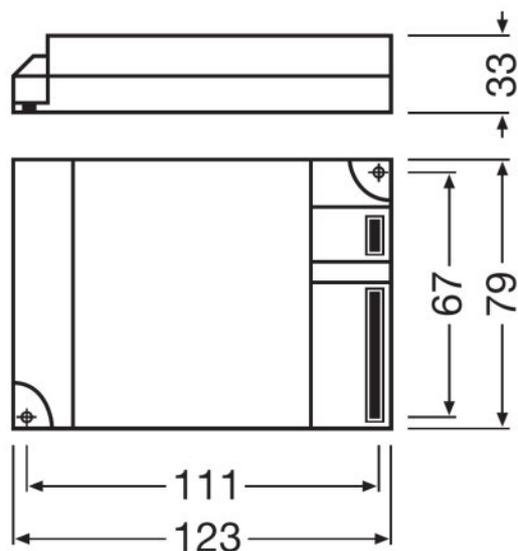
Dimensions & weight

Product description	Length	Width	Height	Mounting hole spacing, length	Product weight
1X18...57 DIM ¹⁾	123.0 mm	79.0 mm	33.0 mm	111.0 mm	233.50 g
2X18...42 DIM ¹⁾	123.0 mm	79.0 mm	33.0 mm	111.0 mm	250.00 g

¹⁾ See product remark

Product family datasheet

Product line drawing



1X18...57 DIM, 2X18...42 DIM

Temperatures & operating conditions

Product description	Ambient temperature range
1X18...57 DIM ¹⁾	+10...+50 °C
2X18...42 DIM ¹⁾	-10...+50 °C

¹⁾ See product remark

Lifespan

Product description	ECG lifetime
1X18...57 DIM ¹⁾	100000 h ²⁾
2X18...42 DIM ¹⁾	100000 h ²⁾

¹⁾ See product remark

²⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Product family datasheet

Capabilities

Product description	Dimmable	Suitable for fixtures with prot. class	End of lamp life safety shutdown
1X18...57 DIM ¹⁾	Yes	I	EOL T.2
2X18...42 DIM ¹⁾	Yes	I	EOL T.2

¹⁾ See product remark

Certificates & standards

Product description	Approval marks – approval	Protection class
1X18...57 DIM ¹⁾	VDE / VDE-EMC / EL / EAC / RCM / CCC	I
2X18...42 DIM ¹⁾	VDE / VDE-EMC / EL / EAC / RCM / CCC	I

¹⁾ See product remark

Logistical data

Product description	Commodity code
1X18...57 DIM ¹⁾	850410809000
2X18...42 DIM ¹⁾	850410809000

¹⁾ See product remark

Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

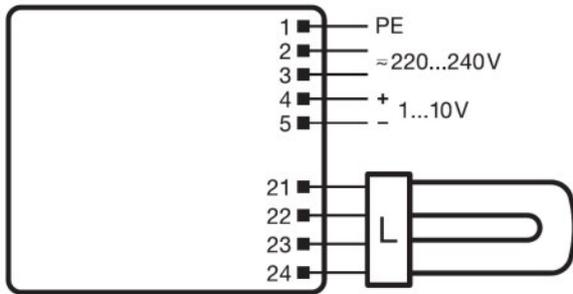
Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
1X18...57 DIM ¹⁾	14-04-2022	4008321060860	Lead
2X18...42 DIM ¹⁾	14-04-2022	4008321060846	Lead

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
1X18...57 DIM ¹⁾	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	018a20d5-f22b-4789-94e9-e8e431f5aeff
2X18...42 DIM ¹⁾	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	35995e8c-6ac2-4258-936c-7fa12ef27e94

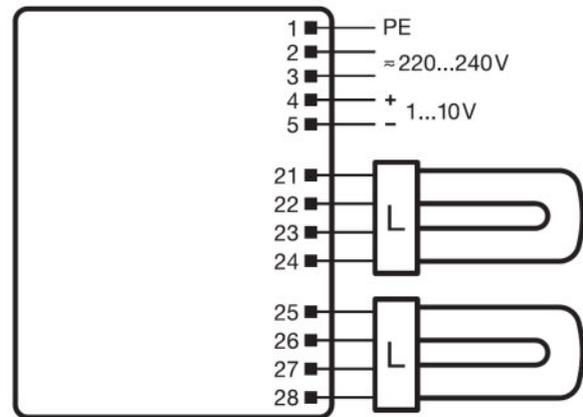
¹⁾ See product remark

Product family datasheet

Wiring Diagram



1X18...57 DIM



2X18...42 DIM

Product remark

Optional cable clamp, see chapter ECG mountings - cable clamp

Application advice

For more detailed application information and graphics please see product datasheet.

Additional product information

- In order to achieve good radio interference suppression:1. Keep the cable between ECG and lamp as short as possible.2. The single lamp wires must be routed as close as possible to each other, whereas the lines of the different lamp ends must be routed separately.

Sales and Technical Support

Sales and Technical Support www.osram.com

Country specific information

Product description	Product code	METEL code	SEG-No.	STK number	UK Org
---------------------	--------------	------------	---------	------------	--------

Product family datasheet

1X18...57 DIM	4008321060860	OSRQTITE1X1857DI	-	4030187	-
1X18...57 DIM	4008321060860	OSRQTITE1X1857DI	-	4030187	-
2X18...42 DIM	4008321060846	OSRQTITE2X1842DI	-	4031086	-
2X18...42 DIM	4008321060846	OSRQTITE2X1842DI	-	4031086	-

Download Data

File	
	User instruction QUICKTRONIC QT i T E DIM
	Addon Technical Information 502689_Frequent switching Quicktronic
	Addon Technical Information 502785_ECG lifetime - QUICKTRONIC (DALI) DIM
	Certificates 334953_EMC-Marks approval
	Certificates 335097_INOTEC
	Certificates QTI DALI VDE 40021252 210920
	Certificates 335169_Manufacturer's declaration – LampECG combinations: Frequent switching
	Certificates 504208_VDE-EMC-CERTIFICATE QTI DALI DIM
	Declarations of conformity QUICKTRONIC DIM CE 3364258 190821
	Operating instructions 597739_EAC QT i T E DIM
	CAD data 3-dim 321653_QTi-TE 1x18-57 DIM
	CAD data 3-dim 321661_QTi-TE 1x18-57 DIM
	CAD data 3-dim 321662_QTi-TE 1x18-57 DIM
	CAD data PDF 321663_QTi-TE 1x18-57 DIM
	CAD data 3-dim 321654_QTi-TE 2x18-42 DIM
	CAD data 3-dim 321658_QTi-TE 2x18-42 DIM
	CAD data 3-dim 321660_QTi-TE 2x18-42 DIM

Product family datasheet



CAD data PDF
321659_QTi-TE 2x18-42 DIM

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321060860	1X18...57 DIM	Shipping carton box 20	428 mm x 78 mm x 257 mm	8.58 dm ³	4380.00 g
4008321060846	2X18...42 DIM	Shipping carton box 20	423 mm x 79 mm x 257 mm	8.59 dm ³	4975.17 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.