

Text for the information to tender ECG for LED from OSRAM



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Electronic control gear for 10 V constant voltage LED-modules:

1. Electronic control gear for 10 V-LED-modules for stand-alone installation

Reference: OT 12/230-240/10

- Fully electronic power supply for 10 V constant voltage LED-modules for stand-alone installation
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- Protection class-II-gear with cable clamp
- Temperature range: -20 °C to +50 °C
- Max. 4 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- In accordance with the relevant standards of the lighting engineering: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, VDE EMV, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

2. Electronic control gear for 10 V LED-modules with intelligent power regulation (SMART POWER SUPPLY) for stand-alone installation

Reference: OT 50/220-240/10:

- Fully electronic power supply for 10 V constant voltage LED-modules for stand-alone installation
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- Protection class-II-gear with cable clamp
- Temperature range: -20 °C to +50 °C
- Intelligent power regulation SMART POWER SUPPLY → stable LED-operations at low temperatures
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- In accordance with the relevant standards of the lighting engineering: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

3. Electronic control gear for 10 V LED-modules with intelligent power regulation (SMART POWER SUPPLY) for outdoor installation

Reference: OT 50/120-277/10 E

- Power supply for 10 V constant voltage LED-modules for outdoor installation
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- IP 64 – protection for outdoor use
- Protection class-I-gear
- Intelligent power regulation SMART POWER SUPPLY → safety LED-operations at low temperatures
- Temperature range: -25°C to +60 °C
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV)
- ECG-lifetime: 50,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, VDE EMV, cRUus (UL), SA, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

4. Electronic control gear for 10 V LED-modules for outdoor installation

References: OT 12/220-240/10 LE, OT 6/200-240/10 CE

- Fully electronic power supply for 10 V LED-modules for outdoor installation
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- IP 65 – protection for outdoor use
- For the installation in luminaires of the protection class II
- Temperature range: -20 °C to +50 °C
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

Electronic control gear for 24 V constant voltage LED-modules:

5. Electronic control gear for 24 V LED-modules for installation in luminaires

References: OT 20/120-240/24 S, OT 8/200-240/24

- Fully electronic power supply for 24 V constant voltage LED-modules for installation in luminaires
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- For the installation in luminaires of the protection class II
- Temperature range: -20 °C to +50 °C
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

6. Electronic control gear for 24 V LED-modules for stand-alone installation

Reference: OT 20/230-240/24

- Fully electronic power supply for 24 V constant voltage LED-modules for stand-alone installation
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- Protection class-II-gear with cable clamp
- Temperature range: -20 °C to +50 °C
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

7. Electronic control gear for 24 V LED-modules with intelligent power regulation (SMART POWER SUPPLY) for stand-alone installation

Reference: OT 75/220-240/24

- Fully electronic power supply for 24-V constant voltage LED-modules for stand-alone installation
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- Protection class-II-gear with cable clamp
- Temperature range: -20 °C to +50 °C
- Intelligent power regulation SMART POWER SUPPLY → stable LED-operations at low temperatures
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

8. Electronic control gear for 24 V LED-modules with intelligent power regulation (SMART POWER SUPPLY) for outdoor installation

Reference: OT 75/120-277/24 E

- Fully electronic power supply for 24 V constant voltage LED-modules for outdoor application
- Output voltage: electronically stabilised, constant DC voltage
- Constant output voltage over the whole load range
- IP 64 –protection for outdoor use
- Protection class-I-gear
- Intelligent power regulation SMART POWER SUPPLY → stable LED-operations at low temperatures
- Temperature range: -25 °C to +60 °C
- Max. 10 m tolerated distance between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV)
- ECG-lifetime: 50,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, cRUus (UL), SA, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

Electronic control gear for 350 mA constant power LED-modules:

9. *Electronic control gear for 350 mA LED-modules for installation in luminaires*

Reference: OT 9/200-240/350

- Fully electronic power supply for 350 mA constant power LED-modules for installation in luminaires
- Output: Electronically stabilised, constant DC current
- Constant output current over the whole load range
- Output voltage restricted to < 25 V (SELV)
- For the installation in luminaires of the protection class II
- Temperature range: -20 °C to +50 °C
- Maximum distance of 10 m between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV-equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approvals: CE, VDE, ENEC
- 3-year system[†] guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

10. *Dimmable electronic control gear for 350 mA LED-modules for stand-alone installation*

Reference: OT 9/200-240/350 DIM

- Fully electronic, dimmable power supply for 350 mA constant power LED-modules for stand-alone installation
- Output: Electronically stabilised, constant DC current
- Constant output current over the whole load range
- Output voltage restricted to < 25 V (SELV)
- Protection class-II-gear with cable clamp
- Control input (max. 10 V) for brightness control of the LED-modules
- Brightness regulation through analog output current dimming
- Control through potentiometer or resistor
- Dimming range 0...100 %
- Temperature range: -20 °C to +50 °C
- Maximum distance of 10 m between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV-equivalent)
- ECG-lifetime: 50,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2, IEC 62384
- Approvals: CE, VDE, ENEC
- 3-year system[†] guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

11. Dimmable LED-DCDC-Converter for the transformation from 24 V to 350 mA, for 350 mA LED-modules for installation in luminaires

Reference: OT 9/10-24/350 DIM

- Dimmable LED-DCDC converter for the conversion from 24 V supply voltage to 350 mA output current
- For operation of constant power LED-modules for installation in luminaires
- Output: Electronically stabilised, constant current
- Constant output current over the whole load range
- Output voltage restricted to < 25 V (SELV)
- For installation in luminaires with protection class II
- 1...10 V interface for the brightness control of the LED-modules
- Brightness regulation with pulse width modulation (PWM)
- Dimming range 0...100 %
- Temperature range: -20 °C to +50 °C
- Maximum distance of 10 m between LED-module and control gear ECG-lifetime: 30.000 h at max. 10 % failure rate (at t_c)
- Electronic reversible shutdown at overload and overheating
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Automatic restart after short circuit
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approval: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

Electronic control gear for 500 mA constant power LED-modules:

12. Dimmable electronic control gear for 500 mA LED-modules for stand-alone installation

Reference: OT 18/200-240/700 DIM + R (resistor) → 12,5 W

- Fully electronic, dimmable power supply for 500 mA constant power LED-modules for stand-alone installation
- Output: Electronically stabilised, constant current
- Constant output current over the whole load range
- Output voltage restricted to < 25 V (SELV-equivalent)
- Protection class-II-gear with cable clamp
- Control input (max. 10 V) for brightness control of the LED-modules
- Brightness regulation through analog output current control
- Control through potentiometer or resistor
- Dimming range 0...100 %
- Temperature range: -20 °C to +50 °C
- Maximum distance of 10 m between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV-equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2, IEC 62384
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

Electronic control gear for 700 mA constant power LED-modules:

13. Dimmable electronic control gear for 700 mA LED-modules for stand-alone installation

Reference: OT 18/200-240/700 DIM

- Fully electronic, dimmable power supply for 700 mA constant power LED-modules for stand-alone installation
- Output: Electronically stabilised, constant current
- Constant output current over the whole load range
- Output voltage restricted to < 25 V (SELV)
- Protection class-II-gear with cable clamp
- Control input (max. 10 V) for brightness control of the LED-modules
- Brightness regulation through analog output current control
- Control through potentiometer or resistor
- Dimming range 0...100 %
- Temperature range: -20 °C to +50 °C
- Maximum distance of 10 m between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2, IEC 62384
- Approvals: CE, VDE, ENEC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

14. Electronic control gear for 700 mA LED-modules for installation in luminaires

Reference: OT 35/200-240/700

- Fully electronic power supply for 700 mA constant power LED-modules for installation in luminaires
- Output: Electronically stabilised, constant current
- Constant output current over the whole load range
- Output voltage restricted to < 50 V (SELV)
- For the installation in luminaires of the protection class II
- Temperature range: -20 °C to +45 °C
- Maximum distance of 10 m between LED-module and control gear
- Electrical isolation between primary and secondary side (SELV or SELV equivalent)
- ECG-lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Reversible protection mechanisms for short-circuit, overheating and overload
- Integrated overvoltage protection
- Integrated safety shutdown against failure in gear
- Automatic restart after failure
- Complies with: IEC 61347, EN 55015, IEC 61000-3-2
- Approval: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

DALI-dimming device:

15. Dimmer (DALI) for constant voltage LED-modules for stand-alone installation

Reference: OTi DALI DIM – DALI function

- DALI LED-dimmer for constant voltage LED-modules (10 V or 24 V) for stand-alone installation
- For brightness control of LED-modules over DALI interface in conjunction with LED control gear (10 V or 24 V)
- Dimming range 0/0.1...100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with the standard DALI control unit
- Max. operating current: 5 A, meaning max. connection power 50 W for 10 V LED-modules and 120 W for 24 V-LED-modules
- Parallel connection of multiple LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Electronic reversible shutdown at overload and overheating
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
- Slim, flat (21 mm) case with cable clamp
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approval: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

16. Dimmer (DALI) for constant voltage LED-modules for installation in luminaires

Reference: OTi DALI DIM LI – DALI function

- DALI LED-dimmer for constant voltage LED-modules (10 V or 24 V) for installation in luminaires
- For brightness control of LED-modules over DALI interface in conjunction with LED control gear (10 V or 24 V)
- Dimming range 0/0.1...100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with the standard DALI control unit
- Max. operating current: 4 A, meaning max. connection power 40 W for 10 V LED-modules and 96 W for 24 V-LED-modules
- Parallel connection of multiple LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Electronic reversible shutdown at overload and overheating
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
- Slim, flat (21 mm) case with push-in terminals
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approval: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

17. Touch DIM-dimmer for constant voltage LED-modules for stand-alone installation

Reference: OTi DALI DIM – Touch DIM function

- Touch DIM LED-dimmer for constant voltage LED-modules (10 V or 24 V) for stand-alone installation
- For brightness control of LED-modules over Touch DIM (single button operation) in conjunction with LED control gear (10 V or 24 V)
- Dimming range 0/0.1...100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with a standard pushbutton
- Max. operating current: 5 A, meaning max. connection power 50 W for 10 V LED-modules and 120 W for 24 V-LED-modules
- Parallel connection of multiple LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Electronic reversible shutdown at overload and overheating
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
- Slim, flat (21 mm) case with cable clamp
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approval: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

1...10-V-dimming devices:

18. Dimmer (1...10 V) for constant voltage LED-modules for stand-alone installation

Reference: OT DIM

- For brightness control of LED-modules (10 V or 24 V) over 1...10-V interface in conjunction with LED control gear (10 V or 24 V), for stand-alone installation
- Dimming range 0/0.1...100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with a standard 1...10 V control unit or potentiometer.
- Max. operating current: 5 A, meaning max. connection power 50 W for 10 V LED-modules and 120 W for 24 V-LED-modules
- Parallel connection of multiple LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- Electronic reversible shutdown at overload and overheating
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
- Slim, flat (21 mm) case with cable clamp
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approvals: CE, VDE, VDE EMC
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

19. 3-channel-dimmer (1...10 V) for constant voltage LED-modules for stand-alone installation

Reference: OT RGB DIM

- 3-channel 1...10 V LED dimmer for constant voltage LED-modules (10 V or 24 V) for stand-alone installation
- For brightness control of LED-modules over 3x 1...10 V interface in conjunction with LED control gear (10 V or 24 V)
- Dimming range 0/0.1...100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with a standard 1...10 V control unit or potentiometer (SELV-signal)
- Max. operating current: 2 A for each channel, meaning max. connection power 20 W for each channel (total 60 W) for 10 V LED-modules 48 W for each channel (total 144 W) for 24 V LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
 - Reversible shutdown at overheating
 - Reversible shutdown at overload
- Lank, flat (21 mm) case with cable clamp
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approvals: CE, cRUus (UL)
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

DMX-dimming devices:

20. 3-channel dimmer (DMX) for constant voltage LED-modules for stand-alone installation

Reference: OT DMX RGB DIM

- 3-channel-DMX LED dimmer for constant voltage LED-modules (10 V or 24 V) for stand-alone installation
- For brightness control of LED-modules over DMX interface in conjunction with LED control unit (10 V or 24 V)
- Dimming range 0/0.1-100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with a standard DMX control unit
- Addressing via rotary switch
- Max. operating current: 2 A for each channel, meaning max. connection power 20 W for each channel (total 60 W) for 10 V LED-modules and 48 W for each channel (total 144 W) for 24 V LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
 - Reversible shutdown at overheating
 - Reversible shutdown at overload
- Slim, flat (21 mm) case with cable clamp
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approvals: CE, cRUus (UL)
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

21. 3-channel dimmer (DMX) for constant voltage LED-modules for installation in luminaires

Reference: OT DMX 3x1 RGB DIM

- 3-channel DMX LED dimmer for constant voltage LED-modules (10 V or 24 V) for installation in luminaires
- For brightness control of LED-modules over DMX interface in conjunction with LED control unit (10 V or 24 V)
- Dimming range 0/0.1...100 %
- Brightness regulation with pulse width modulation (PWM)
- Dimmer can be operated with a standard DMX control unit
- Addressing via dual inline plug switch
- Max. operating current: 1 A for each channel, meaning max. connection power 10 W for each channel (total 30 W) for 10 V LED-modules and 24 W for each channel (total 72 W) for 24 V LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
 - Reversible shutdown at overheating
 - Reversible shutdown at overload
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approval: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

22. 3-channel dimmer (DMX) for constant current LED-modules for installation in luminaires

Reference: OT DMX 3x350 DIM LI

- 3-channel-DMX LED dimmer for constant current LED-modules (350 mA) for installation in luminaires and for stand-alone installation with adapter
- For brightness control of LED-modules over DMX interface in conjunction with DMX control unit
- Dimming range 0/0.1-100 %
- Brightness regulation with pulse width modulation equivalent (PWM)
- Dimmer can be operated with a standard DMX control unit
- Addressing via push button on the housing
- Constant current of 350 mA for each channel means connection power 8 W for each channel (total 24 W)
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
 - Reversible shutdown at overheating
 - Reversible shutdown at overload
- Slim, flat (21 mm) case with push-in terminals
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approvals: CE
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded

1...10-V-Sequencer:

23. 3-channel 1...10 V LED sequencer for constant voltage LED-modules for stand-alone installation

Reference: OT RGB SEQ

- 3-channel 1...10-V LED sequencer for constant voltage LED-modules (10 V or 24 V) for stand-alone installation
- For the color sequencing of RGB LED-modules over 3x1...10-V interface in conjunction with LED control unit (10 V or 24 V)
- Sequence choice from 8 stored color sequences
- Regulation of the flow velocity 0/5 sec...10 min
- Dimming range 0/0.1...100 %
- Regulation without color delay due to pulse width modulation (PWM)
- Dimmer can be operated with a standard 1...10 V control unit or potentiometer (SELV-signal)
- Max. operating current: 2 A for each channel, meaning max. connection power 20 W for each channel (total 60 W) for 10 V LED-modules and 48 W for each channel (total 144 W) for 24 V LED-modules
- Small losses
- Ambient temperature range: -20 °C to +50 °C
- Dimmer lifetime: 30,000 h at max. 10 % failure rate (at t_c)
- In combination with OPTOTRONIC control gear:
 - Reversible shutdown at short circuit
 - Restart after short circuit
 - Reversible shutdown at overheating
 - Reversible shutdown at overload
- Slim, flat (21 mm) case with cable clamp
- Complies with: IEC 61347, EN 55015, IEC 61547
- Approvals: CE, cRUus (UL)
- 3-year system⁺ guarantee:
Any control gear, which has failed because of a material or manufacturer's fault, will be refunded