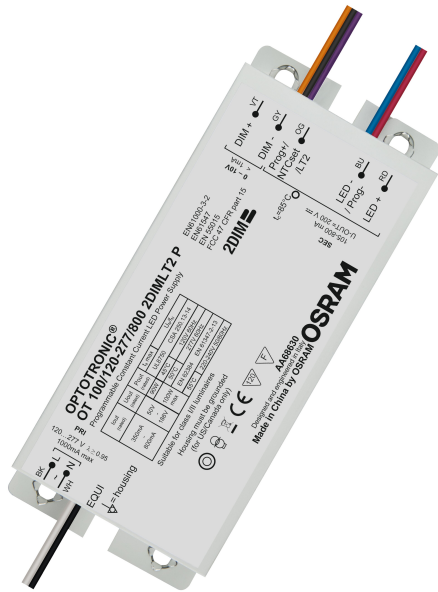


PRODUKTDATABLAD

OT 100/120...277/800 2DIMLT2 P

OT 2DIM IP64 Outdoor | 0...10 V, AstroDIM – konstantstrøm LED drivere



Bruksområder

- Street and urban lighting
- Industry
- Suitable for luminaires of protection classes I and II

Produktfordeler

- 2DIM functionality in one device (AstroDIM, 0...10 V)
- High surge protection: up to 6 kV (in protection class I or II)
- Fast programming without mains voltage
- High efficiency
- Great flexibility due to wide operating temperature range of -40...55 °C
- Protection through double isolation between mains input and LED output
- IP rating: IP64

Produktfunksjoner

- Available with different wattage: 50 W, 100 W, 110 W
- Input voltage: 120...277 V
- Available with output current range: up to 1,400 mA
- Flexible current setting with one additional wire (LEDset2)
- AstroDIM for autonomous dimming with five independent levels (astro mode)
- Isolated 0...10 V interface for unidirectional telemanagement systems
- Constant Lumen Output (CLO)

- Overtemperature protection with external NTC or LEDset2 interface

TEKNISKE DATA

ELEKTRISK INFORMASJON

Nominell effekt	100,00 W
Utgangseffekt	100 W ¹⁾
Nominell spenning	120...277 V
Utgangsspenning	50...186 V
Inngangsspenning	108...305 V ²⁾
U-OUT	200 V
Nominell strøm	0 A ³⁾
Utgangsstrøm	350...800 mA
Startstrøm	55 A ⁴⁾
Utgangsstrøm toleranse	±5 % ⁵⁾
Utgangsrippelstrøm (100 Hz)	25 %
Nettfrekvensen	50/60 Hz
Total harmonisk forvrengning	15 % ⁶⁾
Effektfaktor λ	0,95 ⁷⁾
ECG effektivitet	90 % ⁸⁾
Utstyr effekttap	14 W ⁹⁾
Maksimalt antall ECG på sikring 10 A (B)	6 ¹⁰⁾
Maksimalt antall ECG på sikring 16 A (B)	10 ¹⁰⁾
Maksimalt antall ECG på sikring 25 A (B)	16 ¹⁰⁾
Spenningssvingning kapasitet (L/N-jord)	6 kV ¹¹⁾
Spenningssvingning kapasitet (L-N)	6 kV ¹²⁾
Galvanisk isolering	dobbel/forsterket

1) Delvis belastning 45...100 W / Ikke dimmet

2) Tillatt spenningsfelt

3) Ved 230 V / 0.86 A for 120 V_{AC}

4) $t_{\text{width}} = 230 \mu\text{s}$ (målt ved 50 % i_{peak})

5) Innenfor nominell utgangsstrømområde

6) Maks. utgangseffekt ved 230 V_{AC}

7) Minimum / Full last ved 230 V / Halv last ved 230 V

8) Ved full belastning, standardstrøm og 230 V

9) Maksimum

10) Type B

11) EQUI @ 12 Ohm iht. EN 61547

12) @ 2 Ohm, iht. EN61547

Fotometriske filer

Flimerverdi (Pst LM)	≤1
Stroposkop effektverdi (SVM)	≤0.4

DIMENSJONER & VEKT

Lengde	168.00 mm
Avstand monteringshull, lengderetning	152,0 mm
Bredde	68.00 mm
Bredde (inkl. runde armaturer)	68.00 mm
Høyde	38.00 mm
Høyde (inkl. sylindriske armaturer)	38.00 mm
Produktvekt	740,00 g

FARGER & MATERIALER

Kapsel materiale	Metall
Materiale	Metall

TEMPERATURER & DRIFTSFORHOLD

Omgivelsestemperatur-område	-40...+55 °C ¹⁾
Maksimum temperatur v/ tc testpunkt	85 °C ²⁾
Maks. dekseltemperatur i tilfelle feil	120 °C
Tillatt relativ fuktighet ved drift	5...85 % ³⁾

1) T_a(max) = 45 °C for inngangsspenning 120 V_{AC} / T_a(max) = 50 °C for inngangsspenning 277 V_{AC}

2) Maksimum ved T_c-punktet

3) Ikke-kondenserende absolutte luftfuktighet: 36 g/m³

Levetid

ECG levetid	80000 h ¹⁾
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1) Ved T_{case} = 75°C ved tc punkt / 10% utfallsprosent

YTTERLIGERE PRODUKTINFORMASJON

Produkt bemerkning	Lyskilder kan ikke slås på/av via 0–10 V grensesnitt
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MULIGHETER

Dimbar	Yes
Dimmingsgrensesnitt	2DIM / 1...10 V / AstroDIM
Dimmingsområde	30...100 %
Overopphetningsbeskyttelse	Ja
Overlastsvern	Automatisk reversibel
Ubelastet bevis	Ja
Kortslutningsbeskyttelse	Ja

Maksimum ledningslengde, ECG/lampe REM	10 m
Egnet armaturer med beskyttelsesklasse	I / II

SERTIFIKATER & STANDARDS

Godkjenningsmerke - godkjenning	CE / ENEC 15 / UR / CQC
Standarder	I samsvar med EN 61347 / I samsvar med EN 61347-2-13 / I samsvar med EN 62384 / I samsvar med EN 55015:2006 + A1:2007 + A2:2009 / I samsvar med EN 61547 / I samsvar med FCC 47 del 15 klasse A / I samsvar med IEC 61000-3-2 / I samsvar med IEC 61000-3-3 / UL-8750
Beskyttelsesklasse	II
Beskyttelses type	IP64

LOGISTIKK INFORMASJON

Temperaturområde ved lagring	-25...80 °C
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EQUIPMENT / ACCESSORIES

- OT Programmer hardware for configuration of 2DIM ECGs necessary
- Programmable via Tuner4TRONIC software

YTTERLIGERE PRODUKTINFORMASJON

- 800 mA type: Default output current is 700 mA without any resistor connected to the LEDset port.
- 1250 mA type: Default output current is 1000 mA without any resistor connected to the LEDset port.
- 1400 mA type: Default output current is 1000 mA without any resistor connected to the LEDset port.
- The LEDset2 interface is disabled by default and needs to be activated by the programming software. In this case the LEDset2 interface is activated the external thermal protection feature is disabled.
- The driver withstands an input voltage of up to 350 Vac for a maximum of two hours.
- The driver may shut down the load if the input voltage of the load is below the allowed minimum output voltage until the short circuit is removed or the correct load is connected and a power off/on cycle is performed.
- In case the input voltage of the load exceeds the output voltage range of the driver, it automatically reduces the output current to keep the output voltage controlled to the maximum allowed output voltage.
- The driver automatically reduces the output current in case the maximum allowed output power is exceeded, as long as the input voltage of the load is within the declared output voltage range of the driver. In all other cases the driver may shut down the load.
- The driver may shut down in case no load is connected to the driver output until the correct load is connected and a power off/on cycle is performed. Hot-plug of the load or external switching on the secondary side is not allowed.
- The EQUI (housing) shall be connected to the heat sink of the LED module to improve the surge withstand capability of the system and EMI in critical luminaires.
- By default the LEDset / NTCset / Prog+ port is set as NTCset port in resistor based mode with following values: start derating: 6.3 kOhm, end derating 5.0 kOhm, derating level 50 %.
- The default dimming mode is 0...10 V, AstroDIM-PD is disabled.- 0...10 V: 30 % minimum dimming level
- The constant lumen feature is disabled by default.
- If any output level is below the physical min level, the physical min level will be used.
- Dimming down to 14 % of the maximum rated output current could be enabled through the programming software, but the compliance with EN 61000-3-2 must be checked below 30 %.
- The driver is intended for built-in use. The luminaire manufacturer is responsible to prevent direct exposure for example to sunlight, water, snow, ice.
- Time to reach the set output current upon start-up is less than 4 s.
- Programming of the driver via Prog+ and Prog- is only allowed without powering it via L/N.
- For further details please consult the 2DIMLT2 application guide.

NEDLASTNINGER

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LOGISTIKK INFORMASJON

Produktkode	Forpakkings enhet (stk/enhet)	Dimensjoner (lengde x bredde x høyde)	Bruttovekt	Volum
4062172069168	Shipping box 20	358 mm x 188 mm x 220 mm	15346.00 g	14.81 dm ³

Den nevnte produktkoden beskriver den minste enheten som kan bestilles. En kartong kan inneholde ett eller flere enkeltprodukter. Når du legger inn en bestilling, vennligst oppgi antall kartonger som ønskes.

ANSVARSRASKRIVELSE

Endres uten varsel. Sørg alltid for å bruke den nyeste versjonen.