

OT 600/220...240/ 2A1 2DIM P7 AUX12

OPTOTRONIC - 2DIM High Power IP67 AUX12 | 2DIM, AUX power, IP67 – constant current LED drivers



A termék jellemzői

- Available with different wattage: 400 W, 600 W
- Supply voltage: 220...240 V
- AUX 12V output for sensor and wireless node
- Wide output current range
- Lifetime: up to 100,000 h (at $T = 75\text{ °C}$ at T_c)

A termék előnyei

- Easily programmable by OT Programmer-S; (AstroDIM / Constant lumen)
- Efficient and reliable
- 2DIM functionality in one device (AstroDIM, 1...10 V)
- High surge protection: up to 10 kV
- Great flexibility due to wide operating temperature range of $-40\text{...}55\text{ °C}$
- Lifetime: up to 100,000 h
- 5 years guarantee

Alkalmazási területek

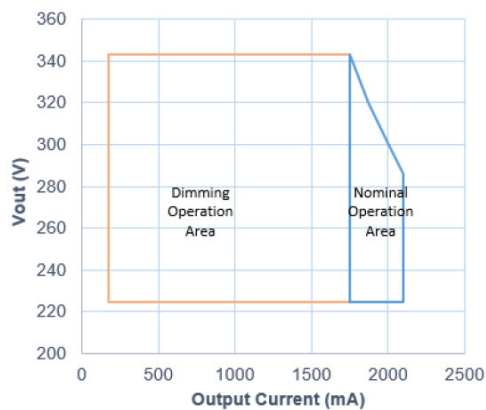
- Area lighting
- Stadium lighting
- Horticulture lighting
- Street and urban lighting
- Suitable for luminaires of protection class I

Műszaki adatok

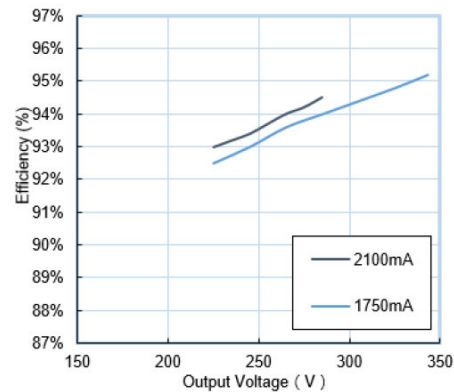
Elektromos adatok

Névleges feszültség	220...240 V
Bemeneti feszültség, AC	198...264 V
Névleges áram	33 A ¹⁾
Hálózati frekvencia [calc.]	50...60 Hz
Teljesítménytényező, λ	095 ²⁾
Teljes harmonikus torzítás	< 10 % ³⁾
Készülék vesztesége	34 W ¹⁾
Bemelegedési áram	55 A ⁴⁾
Megszakítón megengedett előtét db 10 A (B)	1
Megszakítón megengedett előtét db 16 A (B)	2
Előtétek legnagyobb db-száma/megszakító	3
Lökőfeszültség-állóság, (L/N-föld)	10 kV ⁵⁾
Lökőfeszültség-állóság, (L-N)	6 kV
Névleges kimeneti teljesítmény	600 W
Legnagyobb kimenő teljesítmény	600 W ⁶⁾
Efficiency in full-load	94 % ⁷⁾
Névleges kimeneti áram	1750...2100 mA
Default output current	2100 mA
Kimeneti áram tűrés	±5 %
Kimeneti ripple áram (100 Hz)	6 %
Output PSTLM	≤1
Output SVM	≤0.4
Legkisebb kimeneti áram	1750 mA
Galvanikus elválasztás	basic
Névleges kimeneti feszültség	225...343 V

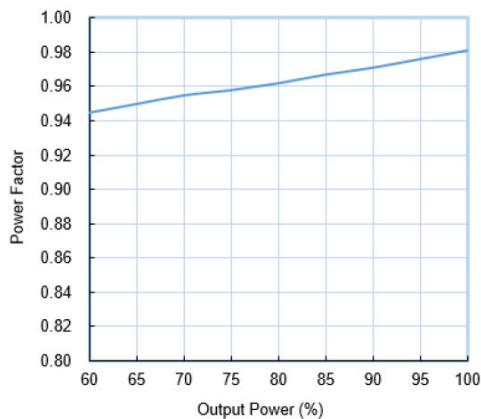
1) Vin 230v 50Hz
2) Full load at 230 V/50 Hz
3) At full load
4) Max, th = 830µs @ 50% Ipk
5) L - N acc to EN 61547 (>15 pulses) / L/N – PE acc to EN 61547 (>15 pulses)
6) LED output
7) at 230 V, 50 Hz



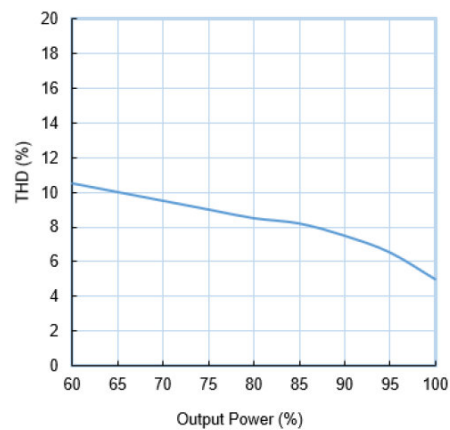
OT 600 2A1 2DIM P7 AUX12 Operating Window



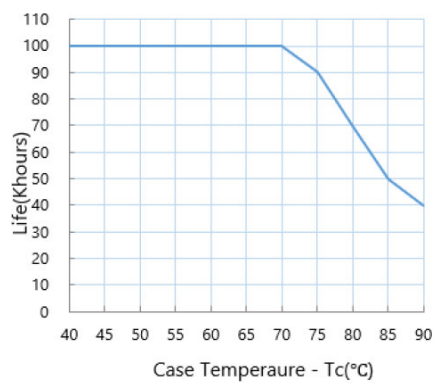
OT 600 2A1 2DIM P7 AUX12 Typical Efficiency vs. Load (230V 50 Hz)



OT 600 2A1 2DIM P7 AUX12 Typical Power Factor vs. Load

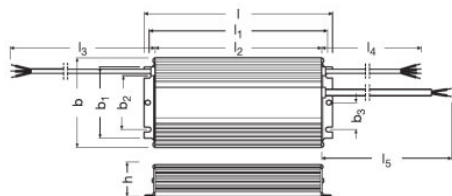


OT 600 2A1 2DIM P7 AUX12 Typical THD vs Load



OT 600 2A1 2DIM P7 AUX12 Lifetime vs. Case Temp

Méretetek és súly



Hosszúság	2610 mm
Szélesség	1250 mm
Magasság	435 mm
Szerelési furattávolság, hosszúság	247.5 mm
Szerelési furattávolság, szélesség	78,0 mm
Termék súlya	255000 g
Vezeték keresztmetszet, bemeneti oldal	1,0 mm ² ¹⁾
Vezeték keresztmetszet, kimeneti oldal	1,0 mm ² ²⁾
Vezeték-előkészítési hossz, bemenet	10 mm

¹⁾ L (Brown/BN), N (Blue/BU), PE(Green/Yellow, GNYE)

Termék adatlap

2) LED+ (Brown/BN), LED- (Blue/BU)

Hőmérséklet és működési feltételek

Környezeti hőmérséklet tartomány	-40...+55 °C
Hőmérséklet-tartomány tároláskor	-40...+85 °C
Max. hőmérséklet a tc mérőponton	90 °C 1)
Max. házhőmérséklet hibaállapotban	120 °C
Megengedett légnedvesség üzem közben	5...85 % 2)

1) Measured on tc point indicated of the product label.

2) Maximum 56 nap/év 85 %-on

Élettartam

Elektronikus előtét élettartam	50000 / 100000 h 1)
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1) At maximum T_c = 85°C / 10% failure rate / At maximum T_c = 70°C / 10% failure rate

Képességek

Dimmelhető	Yes
Dimmelő interfész	1...10 V / 2DIM
Dimmelési tartomány	10...100 %
Alkalmasság érintésvédelmi osztályhoz	I
Állandó fényáram funkció	Yes
Zárlatvédett	Yes
Nem terhelés-védett	Yes
Intended for no-load operation	Nem
Max. vezeték hossz lámpa/LED modul	2,0 m 1)
Number of channels	1

1) Output wires must be routed as close as possible to each other

Programming

Programming device	OT Programmer-S - EAN [4052899629172]
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Tanúsítványok és szabványok

Védettség típusa	IP67
Szabványok	Acc. to EN 61347-1:2015/A1:2021/Acc. to EN 61347-2-13:2014/Acc. to EN 62384:2006/A1:2009/CB/CCC/ENEC
Jóváhagyási jelek	CCC / CE / ENEC / RCM / CB

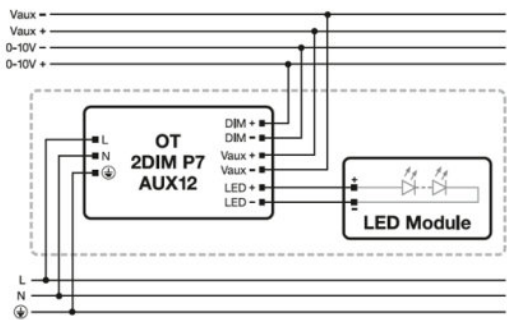
Logisztikai adatok

Commodity code	85044083900
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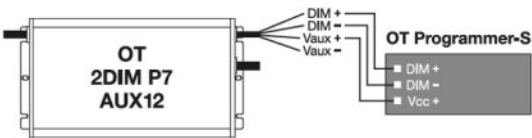
Környezetvédelmi információk

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	09-06-2023
Primary Article Identifier	4052899624238
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	6d05a43f-729d-453b-bac6-f6646c52686b

Wiring Diagram



Wiring Diagram of OT 2DIM P7 AUX12



Programming Diagram of OT 2DIM P7 AUX12

Adatlap szöveg

- Input voltage range: Nominal operation at 198 – 264 Vac.
- Output short circuit protection: shut down of driver occur in case of output short circuit without damage to the unit.
- Output over load/voltage protection: In case the input voltage of the load exceeds the output voltage range which is auto defined by output current setting of the driver ($V_o = P_o / I_o$), it automatically reduces the output current. Auto-reversible without mains power on/off;
- No load protection: the driver automatically adjusts the output voltage to the maximum output voltage which is auto defined by output current setting if no load is connected. Auto-reversible with the correct load connected;
- Over temperature protection: the driver is protected against temporary overheating by shutting down until the overheating eliminated; Auto-reversible when temperature back to normal;
- Disconnect the power before servicing. Terminal block is not included, installation must be performed by qualified person;
- The protective earth (GNYE/PE wire, housing) has to be connected to the heat sink of the LED module to improve the capability of the system to withstand a surge and EMI in critical luminaires.
- Not suitable to be mounted in ceiling corner
- The LED control gear cannot be abutted against or covered by normally flammable materials or used in installations where building insulation or debris is, or may be, present in normal use.
- The external flexible cable or cord of this driver cannot be replaced; if the cord is damaged, the driver shall be destroyed.
- The dimmer should fulfill at least basic insulation between control voltage and dimming circuit (for Australia and New Zealand).
- The startup time to reach the set output current is less than 2s.
- For further details please consult the application note;
- AUX 12V output for sensor and wireless node (max. 200 mA)
- For output cable > 2m EMC conformity is not guaranteed and must be ensured by OEM

Download Data

File	
	User instruction OPTOTRONIC 2DIM P7 AUX12
	Certificates CB certificate of OT 600 220-240 2A1 2DIM P7
	Certificates ENEC of OT 600 220-240 2A1 2DIM P7
	Certificates CCC certificate

Termék adatlap

Ecodesign regulation information:

Intended for use with LED modules.
The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

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.

Logisztikai adatok

Termékkód	Termékmegnevezés	Csomagolás (darab/egység)	Méretek (hosszúság x szélesség x magasság)	Térfogat	Bruttó súly
4052899624238	OT 600/220...240/ 2A1 2DIM P7 AUX12	Karton 6	502 mm x 392 mm x 176 mm	34.63 dm ³	16445.00 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.

References / Links

* For more information on the multi-level guarantee and the terms and conditions of the guarantee visit <https://www.inventronics-light.com/multilevel-guarantees>

Lemondás

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