

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

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



Характеристики продукта

- Available with different wattage: 400 W, 600 W
- Напряжение питания: 220 – 240 В
- AUX 12V output for sensor and wireless node
- Wide output current range

Преимущества продукта

- Easily programmable by OT Programmer-S; (AstroDIM / Constant lumen)
- Эффективное и надежное
- 2DIM functionality in one device (AstroDIM, 1...10 V)
- Защита от сильного перенапряжения: до 10 кВ
- Высокая гибкость благодаря широкому диапазону рабочих температур -40...55°C
- Lifetime: up to 100,000 h
- 5 years guarantee

Области применения

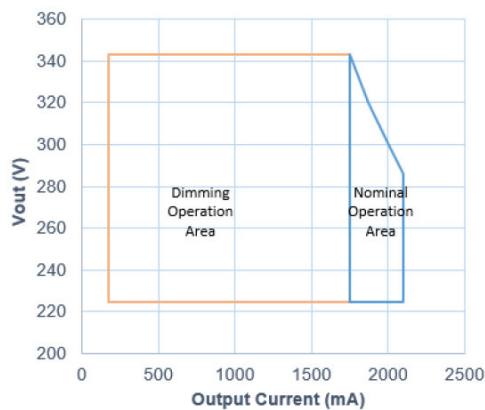
- Area lighting
- Stadium lighting
- Horticulture lighting
- Уличное и городское освещение
- Подходит для использования в светильниках с классом защиты I

Technical data

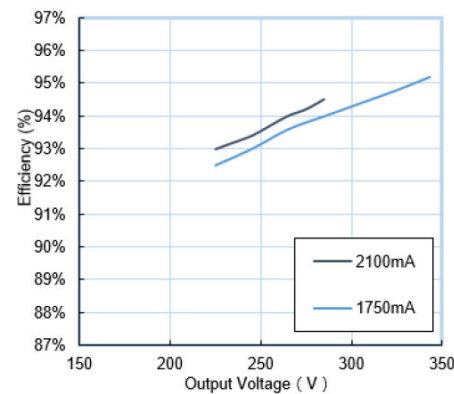
Электрические параметры

Номинальное напряжение	220...240 В
Входное напряжение сети переменного тока	198...264 В
Номинальный ток	33 А ¹⁾
Частота сети	50...60 Hz
Коэффициент мощности λ	095 ²⁾
Сумм.коэф.гармонических искажений	< 10 % ³⁾
Потеря мощности устройства	34 Вт ¹⁾
Пусковой ток	55 А ⁴⁾
Макс. кол-во ЭПРА на выключател 10 А (В)	1
Макс. кол-во ЭПРА на выключател 16 А (В)	2
Макс. кол-во ЭПРА на выключател 25 А (В)	3
перенапряж (фаза/нейтраль-заземл)	10 кВ ⁵⁾
перенапряжение (фаза/нейтраль)	6 кВ
Номинальная выходная мощность	600 Вт
Максимальная выходная мощность	600 Вт ⁶⁾
Efficiency in full-load	94 % ⁷⁾
Номинальный выходной ток	1750...2100 mA
Default output current	2100 mA
Допустимое отклонение выходного тока	±5 %
Пульсир.комп.пост.тока на вых.(100 кГц)	6 %
Output PSTLM	≤1
Output SVM	≤0.4
Максимальный выходной ток	1750 mA
Гальваническая развязка	basic
Номинальной выходное напряжение	225...343 В

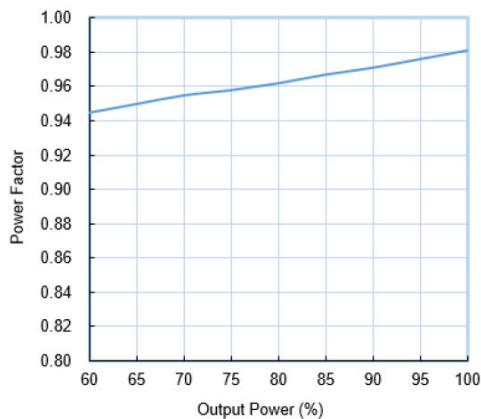
1) Vin 230v 50Hz
2) Максимальная нагрузка при 230 В/50 Hz
3) At full load
4) Max, th = 830µs @ 50% Ipk
5) L - N acc to EN 61547 (>15 pulses) / L/N - PE acc to EN 61547 (>15 pulses)
6) LED output
7) at 230 V, 50 Hz



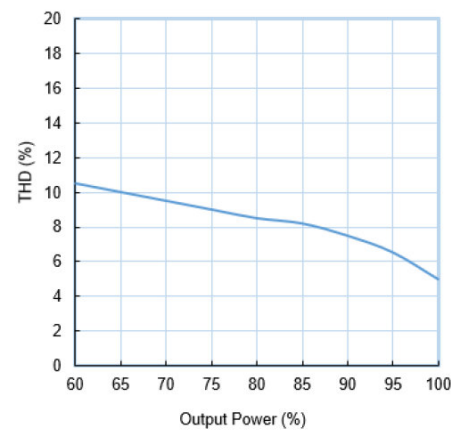
OT 600 2A1 2DIM P7 AUX12 Operating Window



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

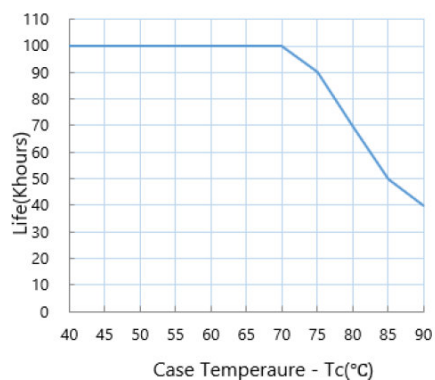


OT 600 2A1 2DIM P7 AUX12 Typical Power Factor vs. Load



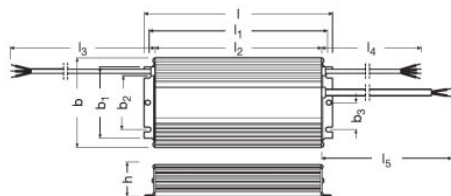
OT 600 2A1 2DIM P7 AUX12 Typical THD vs Load

Техническое описание продукта



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

Размеры и вес



Длина	2610 mm
Ширина	1250 mm
Высота	435 mm
Расстояние монтажного отверстия, длина	247.5 mm
Расстояние монтажного отверстия, ширина	78,0 mm
Вес продукта	255000 g
Сечения кабеля, сторона ввода	1,0 mm ^{2 1)}
Сечения кабеля, сторона вывода	1,0 mm ^{2 2)}
Длина проволоки на стороне ввода	10 mm

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

Техническое описание продукта

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

Температуры и условия управления

Диапазон температуры окружающей среды	-40...+55 °C
t хранения	-40...+85 °C
Макс.температура в контрольной точке tc	90 °C 1)
Предельно допустимая t корпуса	120 °C
Допустимая относит. влажность при работе	5...85 % 2)

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

2) Максимально 56 дней / в год на 85%

Срок службы

Срок эксплуатации ЭПРА	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

Возможности / мощности

С регулировкой яркости	Да
Интерфейс для диммирования	1...10 V / 2DIM
Диапазон регулировки яркости	10...100 %
Подходит для светильников,имеющ.кл.защ.	I
Функция автономн.регулир.силы света	Yes
Защита от короткого замыкания	Да
Защита от холостого хода	Да
Intended for no-load operation	Нет
Макс.дл.кабеля до лампы/светодиод.мод.	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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Сертификаты и Стандарты

Тип защиты	IP67
Стандарты	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
Сертификация/Соответствие стандартам	CCC / CE / ENEC / RCM / CB

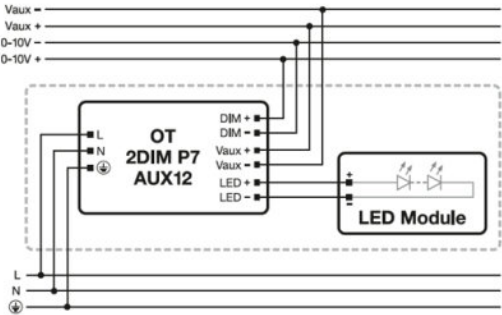
Условия поставки

Код заказа	85044083900
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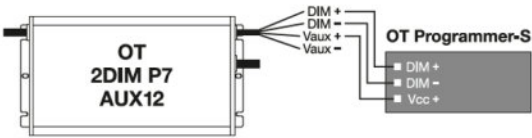
Environmental information

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

Схема подключения



Wiring Diagram of OT 2DIM P7 AUX12



Programming Diagram of OT 2DIM P7 AUX12

Техническое описание продукта

Текст спецификации

- 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

Загрузка данных

Файл	
	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

Техническое описание продукта

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.

Данные для заказа

Product code	Описание продукта	Упаковка (цена/шт.)	Размеры (длина x ширина x высота)	Объем	Вес брутто
4052899624238	OT 600/220...240/ 2A1 2DIM P7 AUX12	Shipping carton box 6	502 mm x 392 mm x 176 mm	34.63 дм³	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.

Ссылки

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

Примечание

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