

OT 400/220...240/ 1A4 2DIM P7 AUX12

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



Características del producto

- Available with different wattage: 400 W, 600 W
- Tensión de suministro: 220...240 V
- AUX 12V output for sensor and wireless node
- Wide output current range
- Vida útil: hasta 100.000 h (para $T = 75\text{ °C}$ a T_c)

Beneficios del producto

- Easily programmable by OT Programmer-S; (AstroDIM / Constant lumen)
- Eficiente y seguro
- 2DIM functionality in one device (AstroDIM, 1...10 V)
- Elevada protección de sobretensión: hasta 10 kV
- Gran flexibilidad gracias al amplio rango de temperaturas de operatividad de -40...55°C
- Lifetime: up to 100,000 h
- 5 years guarantee

Áreas de aplicación

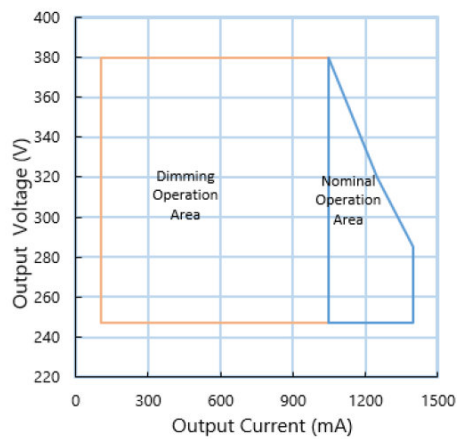
- Area lighting
- Stadium lighting
- Horticulture lighting
- Iluminación de calles y urbana
- Apto para luminarias con clase de protección I

Datos técnicos

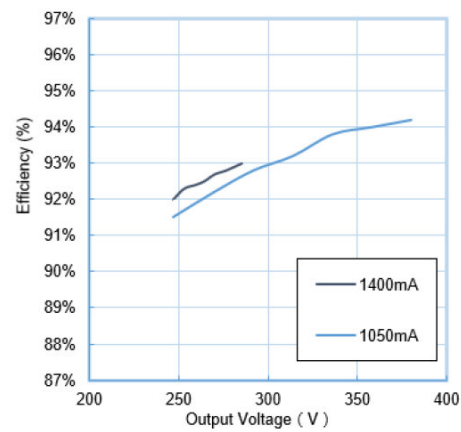
Datos eléctricos

Tensión nominal	220...240 V
Tensión de entrada	198...264 V
Corriente nominal	2,2 A ¹⁾
Frecuencia de red	50...60 Hz
Factor de potencia λ	0,95 ²⁾
Distorsión armónica total	< 10 % ³⁾
Pérdida de potencia del equipo	23 W ¹⁾
Corriente de encendido IP	60 A ⁴⁾
Nº de ECE máximos con automático 10 A (B)	1
Nº de ECE máximos con automático 16 A (B)	3
Nº de ECE máximos con automático 25 A (B)	5
Resis. a la sobretensión (L/N-tierra)	10 kV ⁵⁾
Tensión de aislamiento (L-N)	6 kV
Potencia de salida	400 W
Potencia de salida máxima	400 W ⁶⁾
Efficiency in full-load	92 % ⁷⁾
Corriente de salida	1050...1400 mA
Default output current	1400 mA
Corriente de salida tolerancia	±5 %
Corriente de salida rizada (100 Hz)	6 %
Output PSTLM	≤1
Output SVM	≤0.4
Corriente de salida mínima	1050 mA
Aislamiento galvánico	basic
Tensión de salida	247...380 V

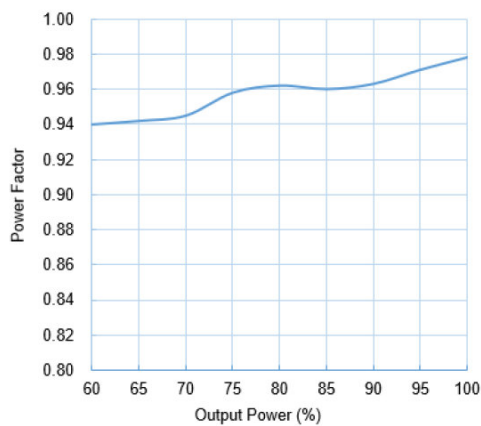
1) Vin 230v 50Hz
2) Carga total a 230 V/50 Hz
3) At full load
4) Max, th = 630µs @ 50% Ipk
5) L - N acc to EN 61547 (>15 pulses) / L/N - PE acc to EN 61547 (>15 pulses)
6) LED output
7) at 230 V, 50 Hz



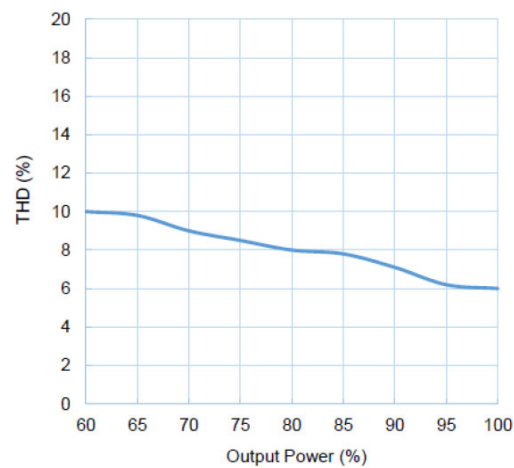
OT 400 1A4 2DIM P7 AUX12 Operating Window



OT 400 1A4 2DIM P7 AUX12 Typical Efficiency vs. Load (230V 50 Hz)

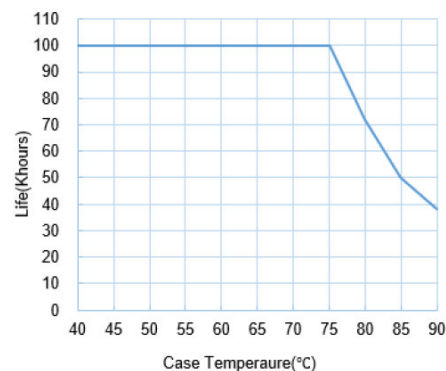


OT 400 1A4 2DIM P7 AUX12 Typical Power Factor vs. Load



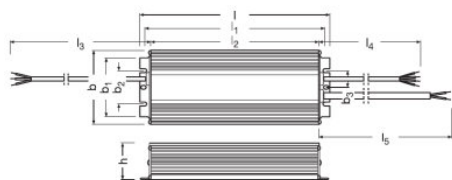
OT 400 1A4 2DIM P7 AUX12 Typical THD vs Load

Hoja de datos de producto



OT 400 1A4 2DIM P7 AUX12 Lifetime vs. Case Temp

Dimensiones y peso



Largo	252,0 mm
Ancho	89,5 mm
Alto	44,5 mm
Distancia entre taladros longitud	238.5 mm
Distancia entre taladros anchura	40 mm
Peso del producto	1980,00 g
Sección de cable, entrada	1,0 mm² ¹⁾
Sección de cable, salida	1,0 mm² ²⁾
Long aislamiento parte de la entrada	10 mm

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

Hoja de datos de producto

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

Temp. y condiciones de funcionamiento

Margen de temperatura ambiente	-40...+55 °C
Temperatura de almacenamiento	-40...+85 °C
Temp. máx. en el punto de prueba tc	90 °C 1)
Temp. máx de la carcasa en caso de fallo	120 °C
Humedad en el aire	5...85 % 2)

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

2) Maximum 56 days/year at 85 %

Duración de vida

ECE vida útil	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

Capacidades

Regulable	Sí
Interfaz DIM	1...10 V / 2DIM
Margen de regulación	10...100 %
Apto para luminarias con clase de prot.	I
Función de lumen constante	Yes
Protección contra cortocircuito	Sí
Prueba de no carga	Sí
Intended for no-load operation	No
Longitud cableado máx. ECE/lámpara	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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Certificados & Normas

Tipo de protección	IP67
Normas	Acc. to EN 61347-1:2015/A1:2021/Acc. to EN 61347-2-13:2014/A1:2017/Acc. to EN 62384:2006/A1:2009/CB/CCC/ENEC
Símbolos de homologación	CCC / CE / CB / ENEC / RCM

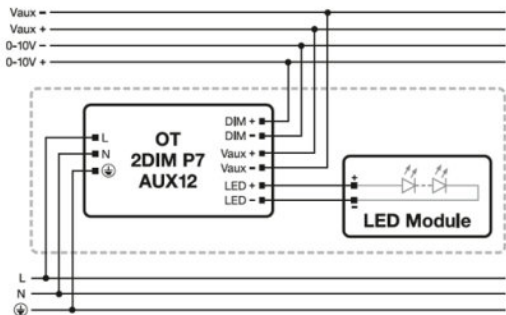
Datos logísticos

Número estadístico de material	85044083900
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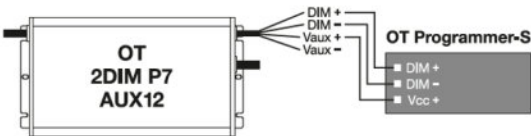
Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	09-06-2023
Primary Article Identifier	4052899624221
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	2073e2ff-3039-4838-b1f2-0c17041401db

Esquema de conexión



Wiring Diagram of OT 2DIM P7 AUX12



Programming Diagram of OT 2DIM P7 AUX12

Texto de la hoja técnica

- 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

Descarga datos

Fichero	
	User instruction OPTOTRONIC 2DIM P7 AUX12
	Certificados CCC certificate OT 400W 2DIM P7 AUX12
	Certificados ENEC OT 400W 2DIM P7 AUX12
	Certificados CB certificate OT 400W 2DIM P7 AUX12
	Certificados RCM Certificate OT 400 2DIM P7 AUX12

Hoja de datos de producto

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.

Logistical Data

Código del producto	Descripción del producto	Unidad de embalaje (Piezas/unidad)	Dimensiones (largo x ancho x alto)	Volúmen	Peso bruto
4052899624221	OT 400/220...240/ 1A4 2DIM P7 AUX12	Embalaje de envío 6	493 mm x 385 mm x 116 mm	22.02 dm ³	13000.00 g

El código del producto mencionado describe la unidad más pequeña de la cantidad que se puede pedir. Una unidad de envío puede contener uno o más productos individuales. Al cursar un pedido, introduzca la cantidad de la unidad de envío o su múltiple.

Referencias / 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>

Aviso

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