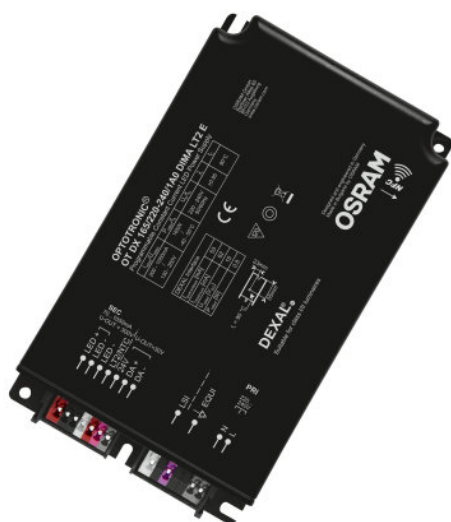


OT DX 165/220...240/1A0 DIMA LT2 E

OPTOTRONIC - DEXAL NFC IP20 | D4i, DEXAL, AstroDIM, StepDIM - constant current LED drivers



Характеристики продукта

- Диапазон токового выхода: от 70 до 1 050 мА
- Потребляемая в режиме ожидания мощность: < 0,5 Вт

Преимущества продукта

- For Zhaga Book18 Luminaires and D4i certified incl. Parts 25x + AUX
- Малый допуск световой отдачи из-за малого допуска выходного напряжения $\pm 3\%$

Области применения

- Уличное и городское освещение
- Промышленность
- Подходит для наружного применения в светильниках с IP > 54
- Подходит для использования в уличных светильниках с классом защищенности I и II



Technical data

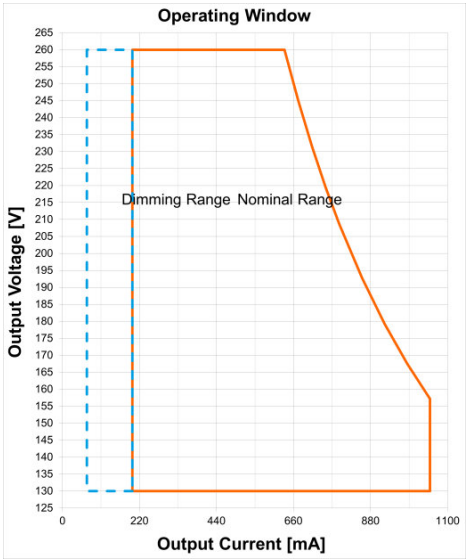
Электрические параметры

Номинальное напряжение	220...240 В
Входное напряжение сети переменного тока	198...264 В ¹⁾
Входн. напряжение сети постоянного тока	176...276 В ²⁾
Номинальный ток	078 А
Частота сети	0/50/60 Hz Hz ²⁾
Коэффициент мощности λ	077C099 ³⁾
Сумм.коэф.гармонических искажений	< 10 % ⁴⁾
Потеря мощности устройства	13 Вт ⁵⁾
Пусковой ток	77 А ⁶⁾
Макс. кол-во ЭПРА на выключател 10 А (В)	5 ⁷⁾
Макс. кол-во ЭПРА на выключател 16 А (В)	9 ⁷⁾
Макс. кол-во ЭПРА на выключател 25 А (В)	14 ⁷⁾
перенапряж (фаза/нейтраль-заземл)	10 кВ ⁸⁾
перенапряжение (фаза/нейтраль)	6 кВ ⁹⁾
Номинальная выходная мощность	165 Вт ¹⁰⁾
Максимальная выходная мощность	165 Вт
Efficiency in full-load	94 % ¹¹⁾
Номинальный выходной ток	200...1050 mA
Default output current	700 mA
Допустимое отклонение выходного тока	±3 % ¹²⁾
Пульсир.комп.пост.тока на вых.(100 кГц)	10 %
Максимальный выходной ток	70 mA
Гальваническая развязка	Double
Номинальной выходное напряжение	130...260 В
U-OUT (рабочее напряжение)	300 В
Ном.входн. напряжение (SD-порт)	220...240 В ¹³⁾
Auxiliary Power Supply	24 В ¹⁴⁾
Output current LEDset open	70 mA
Output current LEDset shorted	Not allowed

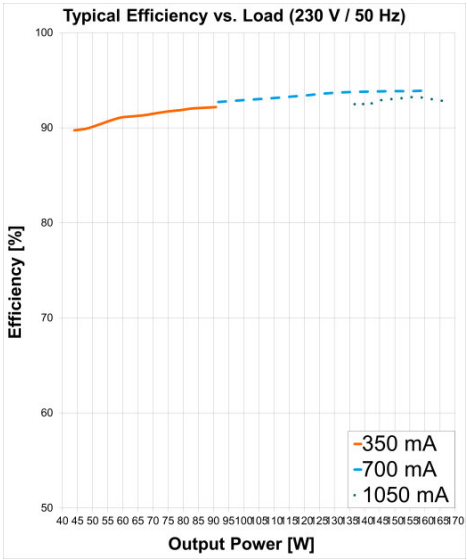
1) Допустимый диапазон напряжения
2) Additional fuse needed in DC operation
3) Full Load/Half Load at 230V 50Hz
4) Max. output power at 230 V_{AC}
5) Максимум
6) При 180 μs
7) Type B
8) Single pulse 10kV / 12 Ohm (1.2/50 μs)
9) @ 2 Ohm, acc. to EN61547

Техническое описание продукта

- 10) Max. 75% in DC operating mode
- 11) at 230 V, 50 Hz
- 12) +/- 5% for LEDset down to 300mA
- 13) with external component 'OT DX SD BOX' only
- 14) 3W average, 6W peak power

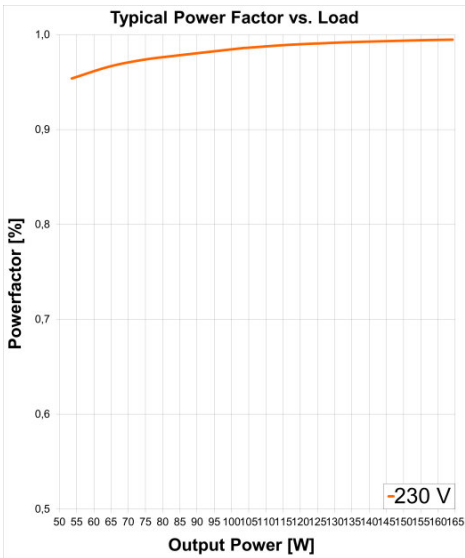


Operating Window OT DX 165 1A0 DIMA LT2 E

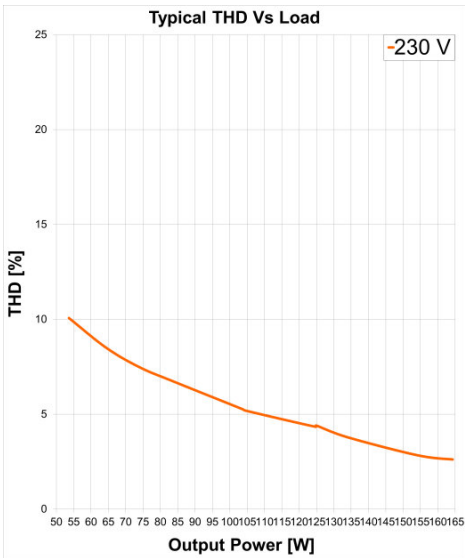


Typical Efficiency vs. Load (230 V 50 Hz) OT DX 1651A0 DIMA LT2 E

Техническое описание продукта

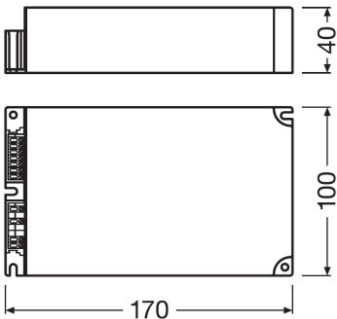


Typical Power Factor vs. Load OT DX 165 1A0 DIMA LT2 E



Typical THD Vs Load OT DX 165 1A0 DIMA LT2 E

Размеры и вес



Длина	1700 mm
Ширина	1000 mm
Высота	400 mm
Расстояние монтажного отверстия, длина	160,0 mm
Расстояние монтажного отверстия, ширина	90,0 mm
Вес продукта	105000 g
Сечения кабеля, сторона ввода	0,2...1,5 mm ^{2 1)}
Сечения кабеля, сторона вывода	0,2...1,5 mm ^{2 1)}
Длина проволоки на стороне ввода	8,5...9,5 mm

¹⁾ Solid/ Flexible Leads

Техническое описание продукта

Температуры и условия управления

Диапазон температуры окружающей среды	-40...+55 °C
t хранения	-25...85 °C
Макс.температура в контрольной точке tc	90 °C
Предельно допустимая t корпуса	120 °C
Допустимая относит. влажность при работе	5...85 % ¹⁾

¹⁾ Non condensing, absolute humidity: 36g/m³

Срок службы

Срок эксплуатации ЭПРА	100000 h ¹⁾
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¹⁾ At T_{case} =78°C at T_c point / 10% failure rate

Предполагаемый срок службы

Название продукта				
OT DX 165/220...240/1A0 DIMA LT2 E	ЭПРА температура окржающей среды [ta]	55	45	43
	температура в критической точке [°C]	90	80	78
	срок службы [h]	50000	85000	100000

Возможности / мощности

С регулировкой яркости	Да
Интерфейс для диммирования	AstroDIM / DALI/DEXAL/D4i / StepDIM ¹⁾
Диапазон регулировки яркости	10...100 %
Подходит для светильников,имеющ.кл.защ.	I / II
Функция автономн.регулир.силы света	Yes
Отриц. Темп. Коэфф на входе	Да
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 ²⁾
Предохранитель	Да
LEDset	Да
Number of channels	1
DALI-2 Energy Data	Да ³⁾
DALI-2 Diagnostic Data	Да ⁴⁾

¹⁾ StepDIM functionality with external component 'OT DX SD BOX' only

Техническое описание продукта

- 2) Output wires must be routed as close as possible to each other
- 3) Acc. DALI part 252
- 4) Acc. DALI part 253

Programming

Tuner4TRONIC	Да
Tuner4TRONIC Field App	Да
Programming device	DALI / NFC

Programmable features

Constant Lumen	Да
Thermal Protection	Да
Driver Guard	Да
AstroDIM	Да
StepDIM	Да ¹⁾
Emergency Mode	Да
DALI-2 Luminaire Data	Да ²⁾
Configuration Lock	Да

- ¹⁾ StepDIM functionality with external component 'OT DX SD BOX' only
- ²⁾ Acc. DALI part 251

Сертификаты и Стандарты

Тип защиты	IP20
Стандарты	Acc. to EN 61347-1/Acc. to EN 61347-2-13/Acc. to EN 62384/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61547/Acc. to FCC 47 part 15 class B/Acc. to IEC 61000-3-2/Acc. to IEC 61000-3-3/Acc. to IEC 62386-101/Acc. to IEC 62386-102/Acc. to IEC 62386-207/Acc. to IEC 62386-150/Acc. to IEC 62386-250/Acc. to IEC 62386-251, -252, -253
Сертификация/Соответствие стандартам	CE / ENEC / VDE / VDE-EMC / CCC / EL / DALI-2 / D4i / RCM

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	03-11-2023
Primary Article Identifier	4052899999695
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1

Техническое описание продукта

Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	a94e5118-1deb-440e-ae82-f1b5c4081970

Текст спецификации

- Shut down of output load happens if the input voltage of the load is below the allowed minimum output voltage of the driver. The driver automatically tries to switch on the load cyclically.
- 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 is protected against temporary overheating by automatically reduction of the output current.
- Several external NTCs are supported for temperature protection of the LED module or luminaire. The type of NTC can be selected in the programming software in the temperature based mode. By default the resistor based mode is activated with following values: start derating: 6.3 kOhm, end derating 5.0 kOhm, shut off: 4.3 kOhm, derating level 50 %.
- 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.
- not relevant
- The DEXAL interface is polarity sensitive, even if the DEXAL bus power supply in the driver is turned off. Therefore the polarity of all connected drivers should not be mixed.
- For efficiency and standby power measurement, the D4i bus power supply shall be switched off by using Tuner4TRONIC. Refer to www.tuner4tronic.com.

Загрузка данных

Файл	
	User instruction OPTOTRONIC Outdoor
	Brochures Technical application guide DEXAL LED drivers (EN)
	Brochures 4 DIM NFC G3 CE LED drivers and T4T C (EN)
	Certificates OT VDE ENEC 40050684 290923
	Certificates OT EMC 40050085 200220
	Certificates OT DX DIMA LT2 E CB DE1 63485 060520
	Certificates OT EMC 40044675 031022
	Declarations of conformity OT DX DIMA LT2 E CE 3745354 060921
	CAD data OT DX 165 DIMA LT2E IGS 120220
	CAD data OT DX 165 DIMA LT2E STEP 120220

Техническое описание продукта

	CAD Data 2-dim OT DX 165 DIMA LT2E CAD2PDF 120220
	CAD data 3-dim OT DX 165 DIMA LT2E CAD3PDF 120220

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.

ISOLATION	Input / Mains	EQUI	DALI	LEDset	LED Output	Case	AUX	LSI	NTC
Input / Mains	-	Double	SELV	Double	Double	Double	SELV	SELV	Double
EQUI	Double	-	Basic	Basic	Basic	Basic	Basic	Basic	Basic
DALI	SELV	Basic	-	Basic	Basic	Double	-	-	Basic
LEDset	Double	Basic	Basic	-	-	Double	Basic	Basic	-
LED Output	Double	Basic	Basic	-	-	Double	Basic	Basic	-
Case	Double	Basic	Double	Double	Double	-	Double	Double	Double
AUX	SELV	Basic	-	Basic	Basic	Double	-	-	Basic
LSI	SELV	Basic	-	Basic	Basic	Double	-	-	Basic
NTC	Double	Basic	Basic	-	-	Double	Basic	Basic	-

Данные для заказа

Product code	Описание продукта	Упаковка (цена/шт.)	Размеры (длина x ширина x высота)	Объем	Вес брутто
4052899999695	OT DX 165/220...240/1A0 DIMA LT2 E	Shipping carton box 10	303 mm x 285 mm x 205 mm	17.70 дм³	11224.00 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.

Техническое описание продукта

Дополнительные аксессуары

Описание продукта	Название аксессуара	Код аксессуара
OT DX 165/220...240/1A0 DIMA LT2 E	OT DX SD BOX	4062172048002

Политика конфиденциальности

This OSRAM driver can be configured using the Tuner4TRONIC software. This requires registering on www.myosram.com and downloading the Tuner4TRONIC software from the Internet. The Tuner4TRONIC software enables users to access and view the operational data of a luminaire or driver via the corresponding programming interfaces. A password key (Config Lock) must be set up in the driver via the Tuner4TRONIC software in order to control which users can access and view operational data. Follow the instructions for password setup. To grant an external person or company rights to access or view operational data, you can assign password keys. In this case, however, you are responsible for ensuring that the third party concerned takes notice of the information described here. However, OSRAM can read out operating data from devices for maintenance and service purposes even when a password key has been assigned. In individual cases, OSRAM will also use its access rights in order to optimize or improve driver hardware and driver functions. In accordance with data privacy principles, any user of operating data (luminaire manufacturers, third parties with access rights) must ensure that personal data (e.g. name, address, location IDs) are only merged with the prior written consent of the person (end user) concerned. The respective user of the operating data is responsible for providing evidence of consent.

Примечание

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