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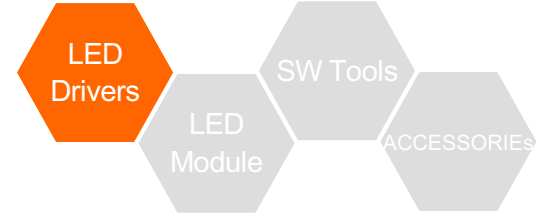
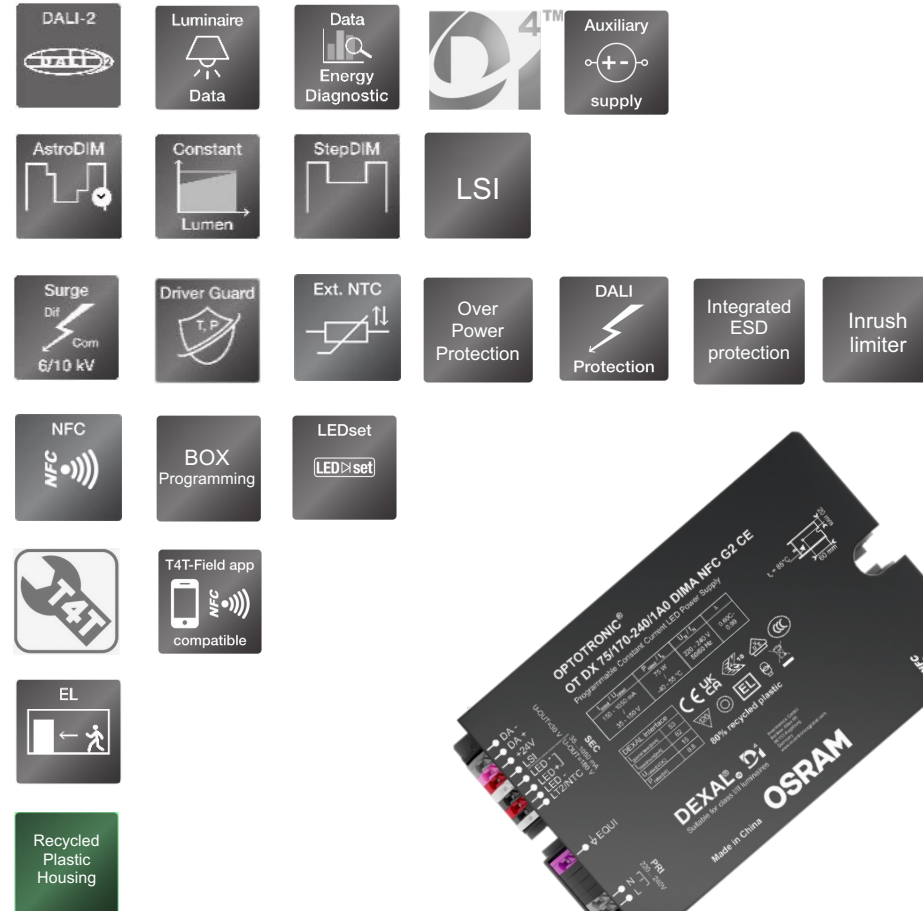
Inventronics Elumia Ready LED Drivers for Outdoor luminaires

July 2024

[inventronicsglobal.com](https://www.inventronicsglobal.com)

OPTOTRONIC® DEXAL G2 OUTDOOR

More Robust, More Flexible



Family / System

- Available with different wattage: up to 200W
- For future proof Luminaires based on **ZHAGA Book 18, Edition 2.0**

Highlights

- D4i certified and 24V AUX Power (DALI Part 150) **up to 6W**
- SELV DEXAL and 24V AUX interface
- AstroDIM for autonomous dimming , CLO
- Integrated customizable thermal management (Driver Guard)
- **Extended operating windows**
- **35mA minimum current:** dimming range 100% - **3%**
- Integrated LSI for additional functions (example StepDIM)
- LEDSet interface and external NTC for additional protection
- **Improved NFC** easier programming from the top
- **Housing made of 80% recycled plastic**

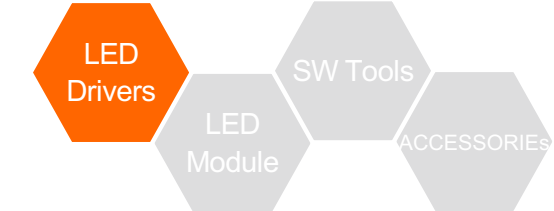
Benefits

- **High Surge protection up to 10kV:** High robustness
- **High number of drivers** per circuit breaker
- **Integrated ESD protections:** minimize risks of ESD damages during lifetime
- **Suitable for DALI installation** and long cables for DALI programming
- 1,5% output current accuracy and <4% current ripple
- Constant power function with **automatic current derating** for safe start-up, in case of too high voltage due to cold start-up
- Fully programmable via software **Tuner4Tronic** (via DALI-2 Interface, NFC) and T4T-Field-App
- BOX programming
- For Protection class I/II Luminaires
- **Conformal coating** for additional protection against humidity
- 8 years guarantee / 10 years in combination Inventronics LED Modules



OPTOTRONIC® DEXAL G2 OUTDOOR

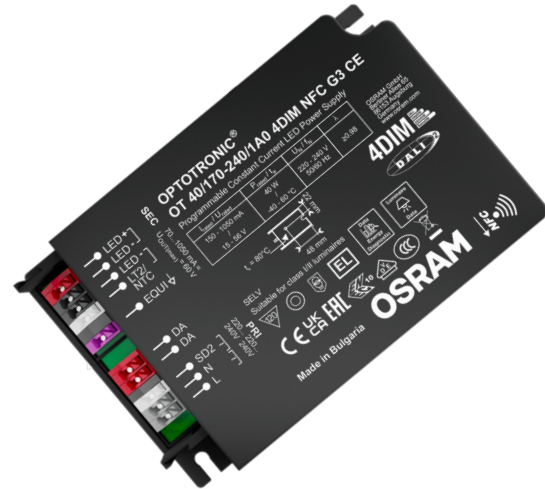
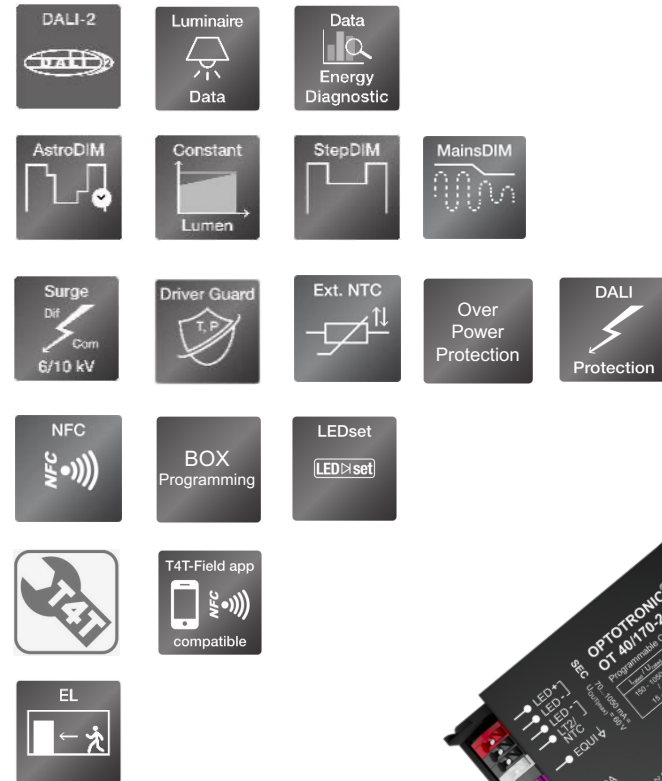
Order codes



EAN-010	Production Code	EAN-040	Qty BOX	Short Text	Nominal Power	Output current	Output voltage	Dimensions L x W x H
4052899632349	AM50306xxxx	4052899632356	18	OT DX24/170-240/0A7 DIMA NFC G2 CE	24W	35 – 700mA	12 – 48V	133 x 77 x 40
4052899631649	AM50865xxxx	4052899631755	18	OT DX40/170-240/1A0 DIMA NFC G2 CE	40W	35 – 1050mA	15 – 65V	133 x 77 x 40
4052899631663	AM50866xxxx	4052899631779	12	OT DX75/170-240/1A0 DIMA NFC G2 CE	75W	35 – 1050mA	35 – 150V	150 x 90 x 40
4052899631694	AM50868xxxx	4052899631809	12	OT DX110/170-240/1A0 DIMA NFC G2 CE	110W	35 – 1050mA	65 – 230V	150 x 90 x 40
4052899631717	AM50869xxxx	4052899631823	12	OT DX165/170-240/1A0 DIMA NFC G2 CE	165W	35 – 1050mA	130 – 260V	150 x 90 x 40
4052899631731	AM50870xxxx	4052899631847	8	OT DX200/170-240/1A0 DIMA NFC G2 CE	200W	35 – 1050mA	140 – 300V	170 x 100 x 40

OPTOTRONIC® 4DIM G3 OUTDOOR

All-in-one solution



Family / System

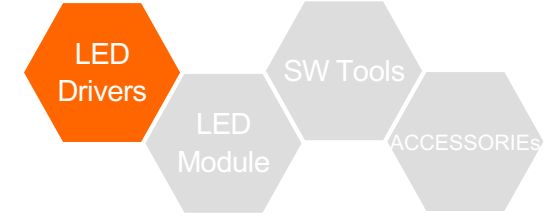
- For future proof Luminaires based on ZHAGA Book 18, NEMA Standard ANSI C136.41
- Available with different wattage: up to 200W

Highlights

- AstroDIM for autonomous dimming , CLO
- Integrated customizable thermal management (Driver Guard)
- Multiple operating windows
- 70mA minimum current: dimming range 100% - 10%
- 4DIM functionality (StepDIM, AstroDIM, MainsDIM, DALI-2)
- DALI-2 dimming interface incl. Part 251, 252, 253
- LEDSet interface and external NTC for additional protection
- Improved NFC easier programming from the top

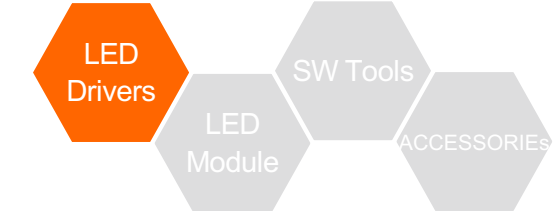
Benefits

- High Surge protection up to 10kV: High robustness
- Suitable for DALI installation and long cables for DALI programming – 1kV Surge protection DA-DA
- Constant power function with automatic current derating for safe start-up, in case of too high voltage due to cold start-up
- 3% output current accuracy and <4% current ripple
- Fully programmable via software Tuner4Tronic (via DALI-2 Interface, NFC) and T4T-Field-App
- BOX programming
- For Protection class I/II Luminaires
- Conformal coating for additional protection against humidity
- 8 years guarantee / 10 years in combination Inventronics LED Modules



OPTOTRONIC® 4DIM G3 OUTDOOR

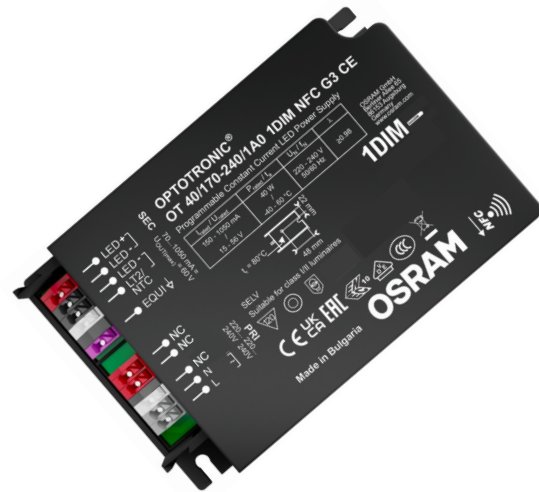
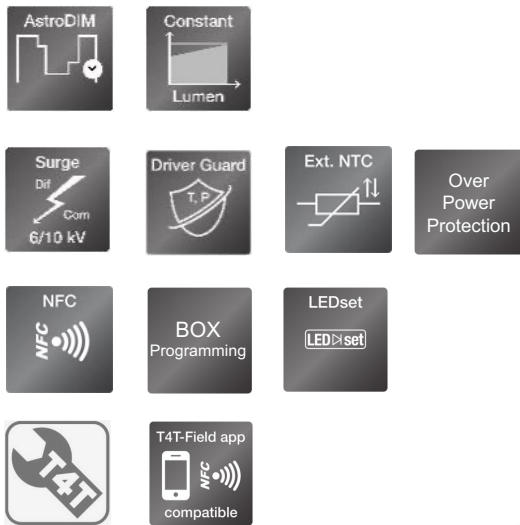
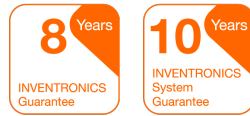
Order codes



EAN-010	Production Code	EAN-040	Qty BOX	Short Text	Nominal Power	Output current	Output voltage	Dimensions L x W x H
4062172218917	AM49801xxxx	4062172279796	18	OT 20/170-240/1A0 4DIM NFC G3CE	22W	150 – 1050mA	10 – 38V	123 x 79 x 33mm
4062172218931	AM49802xxxx	4062172279819	18	OT 40/170-240/0A7 4DIM NFC G3CE	40W	150 – 700mA	30 – 77V	123 x 79 x 33mm
4062172218955	AM49621xxxx	4062172279833	18	OT 40/170-240/1A0 4DIM NFC G3CE	40W	150 – 1050mA	15 – 56V	123 x 79 x 33mm
4062172218979	AM49830xxxx	4062172279857	18	OT 75/170-240/0A7 4DIM NFC G3CE	75W	150 – 700mA	50 – 150V	123 x 79 x 33mm
4062172218993	AM49622xxxx	4062172279871	18	OT 75/170-240/1A0 4DIM NFC G3CE	75W	150 – 1050mA	35 – 115V	123 x 79 x 33mm
4062172219013	AM49805xxxx	4062172279895	18	OT 75/170-240/1A5 4DIM NFC G3CE	75W	350 – 1500mA	25 – 75V	133 x 77 x 40mm
4062172219037	AM49623xxxx	4062172279918	18	OT 110/170-240/1A0 4DIM NFCG3CE	110W	150 – 1050mA	55 – 157V	133 x 77 x 40mm
4062172219051	AM49806xxxx	4062172279932	18	OT 110/170-240/0A7 4DIM NFCG3CE	110W	150 – 700mA	80 – 220V	133 x 77 x 40mm
4062172219075	AM49624xxxx	4062172219082	12	OT 165/170-240/1A0 4DIM NFCG3CE	165W	150 – 1050mA	90 – 260V	150 x 90 x 40mm
4062172219105	AM49625xxxx	4062172282512	8	OT 200/170-240/1A0 4DIM NFCG3CE	200W	150 – 1050mA	140 – 300V	170 x 100 x 40mm

OPTOTRONIC® 1DIM G3 OUTDOOR

Simple, efficient, dimmable



Family / System

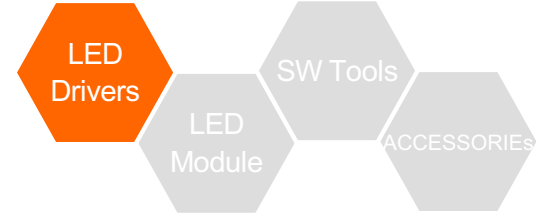
- For stand-alone luminaires with autonomous dimming
- Available with different wattage: up to 165W

Highlights

- Identical operating windows and housings of OT 4DIM G3
- Integrated customizable thermal management (Driver Guard)
- Multiple operating windows
- 70mA minimum current: dimming range 100% - 10%
- 1DIM functionality (AstroDIM) and CLO
- LEDSet interface and external NTC for additional protection
- Improved NFC easier programming from the top
- Stand-By power < 0.5W

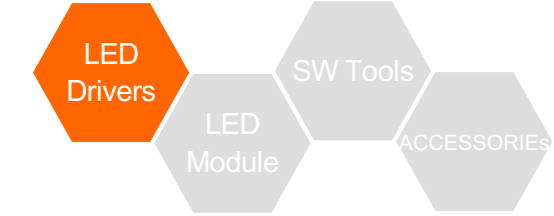
Benefits

- High Surge protection up to 10kV: High robustness
- Constant power function with automatic current derating for safe start-up, in case of too high voltage due to cold start-up
- 3% output current accuracy and <4% current ripple
- Fully programmable via software Tuner4Tronic (NFC) and T4T-Field-App
- BOX programming
- For Protection class I/II Luminaires
- Conformal coating for additional protection against humidity
- 8 years guarantee / 10 years in combination Inventronics LED Modules



OPTOTRONIC® 1DIM G3 OUTDOOR

Order codes



EAN-010	Production Code	EAN-040	Qty BOX	Short Text	Nominal Power	Output current	Output voltage	Dimensions L x W x H
4052899631861	AM50918xxxx	4052899631946	18	OT 20/170-240/1A0 1DIM NFC G3	22W	150 – 1050mA	10 – 38V	123 x 79 x 33mm
4052899631878	AM50919xxxx	4052899631953	18	OT 40/170-240/0A7 1DIM NFC G3	40W	150 – 700mA	30 – 77V	123 x 79 x 33mm
4052899631885	AM50920xxxx	4052899631960	18	OT 40/170-240/1A0 1DIM NFC G3	40W	150 – 1050mA	15 – 56V	123 x 79 x 33mm
4052899631892	AM50921xxxx	4052899631977	18	OT 75/170-240/0A7 1DIM NFC G3	75W	150 – 700mA	50 – 150V	123 x 79 x 33mm
4052899631908	AM50922xxxx	4052899631984	18	OT 75/170-240/1A0 1DIM NFC G3	75W	150 – 1050mA	35 – 115V	123 x 79 x 33mm
4052899631915	AM50924xxxx	4052899631991	18	OT 110/170-240/0A7 1DIM NFC G3	110W	150 – 700mA	80 – 220V	133 x 77 x 40mm
4052899631922	AM50923xxxx	4052899632004	18	OT 110/170-240/1A0 1DIM NFC G3	110W	150 – 1050mA	55 – 157V	133 x 77 x 40mm
4052899631939	AM50925xxxx	4052899632011	12	OT 165/170-240/1A0 1DIM NFC G3	165W	150 – 1050mA	90 – 260V	150 x 90 x 40mm

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Thank You

INVENTRONICS GmbH

Parkring 31-33, 85748 Garching, Germany

inventronicsglobal.com

