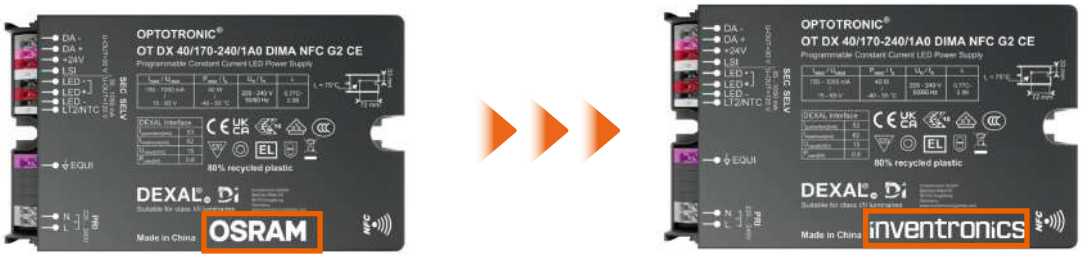
inventronics

Inventronics
Lighting Systems

Building a Brighter Future

Rebranding Our Products from OSRAM to Inventronics – Important Information



Following the acquisition of OSRAM Digital Systems by Inventronics in 2023, to ensure continuity in the quality and reliability of the trusted products in the lighting industry, **all OSRAM Digital Systems products will transition to the Inventronics brand starting in 2025**, with OSRAM-branded deliveries ending in **April 2026**.

Why this change?

This transition protects the value of the technology, expertise and innovation that power your products and lighting solutions. While the OSRAM name will continue to appear in the marketplace, the trusted knowledge, original teams and proven processes are now part of Inventronics - your dedicated partner in advanced lighting technology.

Inventronics not only ensures to keep the access to the proven performance, innovation, and reliability that have been integral to OSRAM Digital Systems in the past, **but also expands its capabilities to provide system solutions in your target application on a global scale**.

What is changing?

- **New Branding:** The OSRAM logo on labels, packaging, documents, and certificates will be replaced by the Inventronics logo.
- **Same Products:** Features, names, and in most cases, certification numbers will remain unchanged.
- **New EANs:** Each existing product will receive a new EAN for the Inventronics version, ensuring traceability.
- **Further Development by Inventronics:** All future developments of these products will be handled by Inventronics, leveraging the proven expertise and high quality you have come to expect from OSRAM.

Certifications and Documentation

- **Consistency Ensured:** Since 2023, our products have been listed under “Inventronics” in CB and ENEC certifications. After the transition, rebranded products will retain their certifications, ensuring existing luminaire certifications remain valid.
- **Rebranding Without Compromise:** Thanks to close coordination with certification bodies, the rebranding will be transparent, with no changes to the technical core functionalities.

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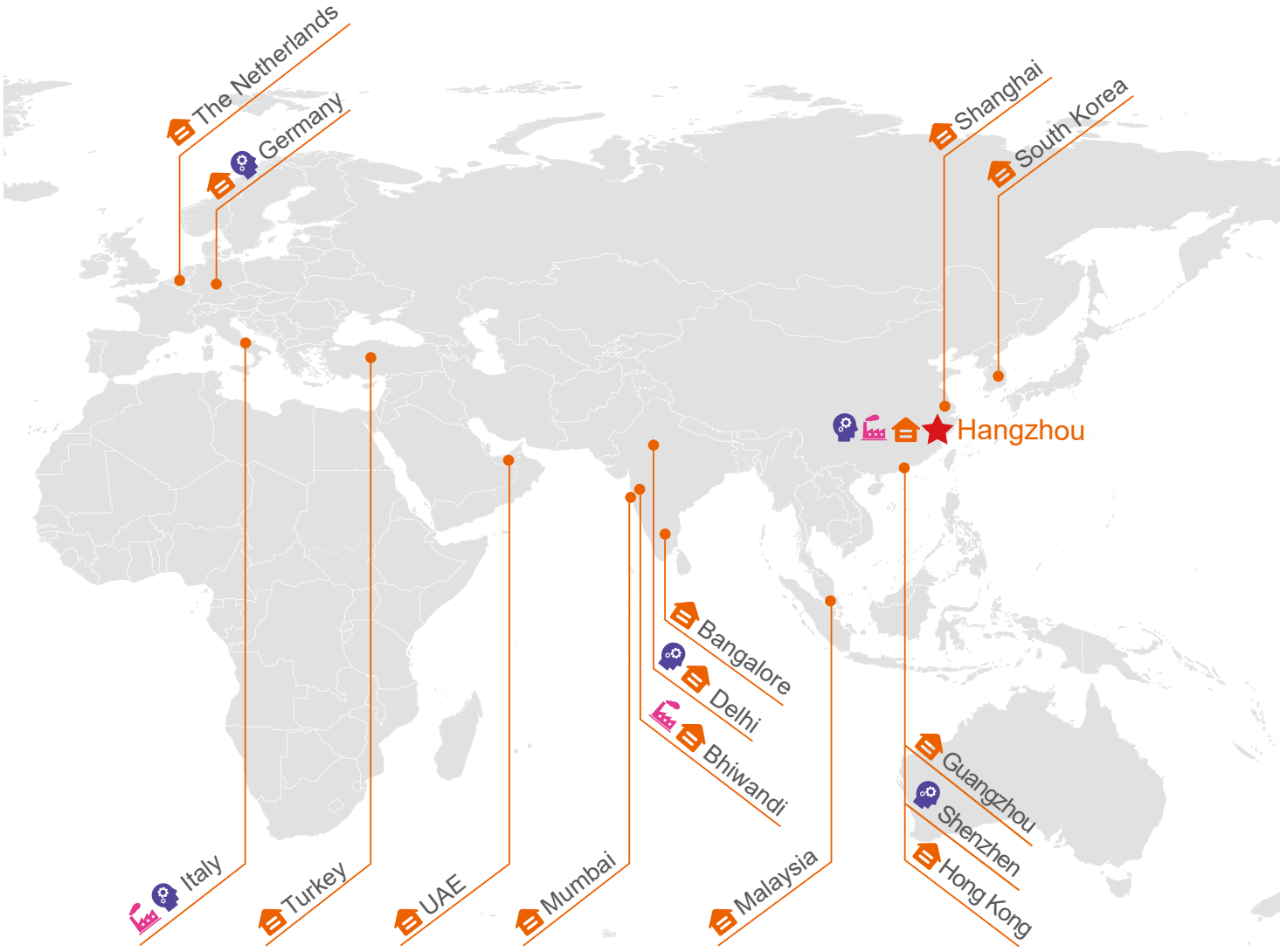
Inventronics reserves the right to modify the product spec. described in this manual, without prior notice. Before ordering, please contact our sales for the latest spec.

Inventronics Global Presence



About Inventronics

Building a Brighter Future

Inventronics is a premier global producer of cutting-edge lighting solutions such as LED drivers, sensors, control systems, and LED modules. With a strong commitment to quality, reliability, and compliance with international standards, we deliver innovative and efficient solutions to our customers worldwide. The acquisition of OSRAM Digital Systems in Europe and Asia in 2023 has strengthened our portfolio, development, capabilities, and expanded our global reach.

Why Choose Us?

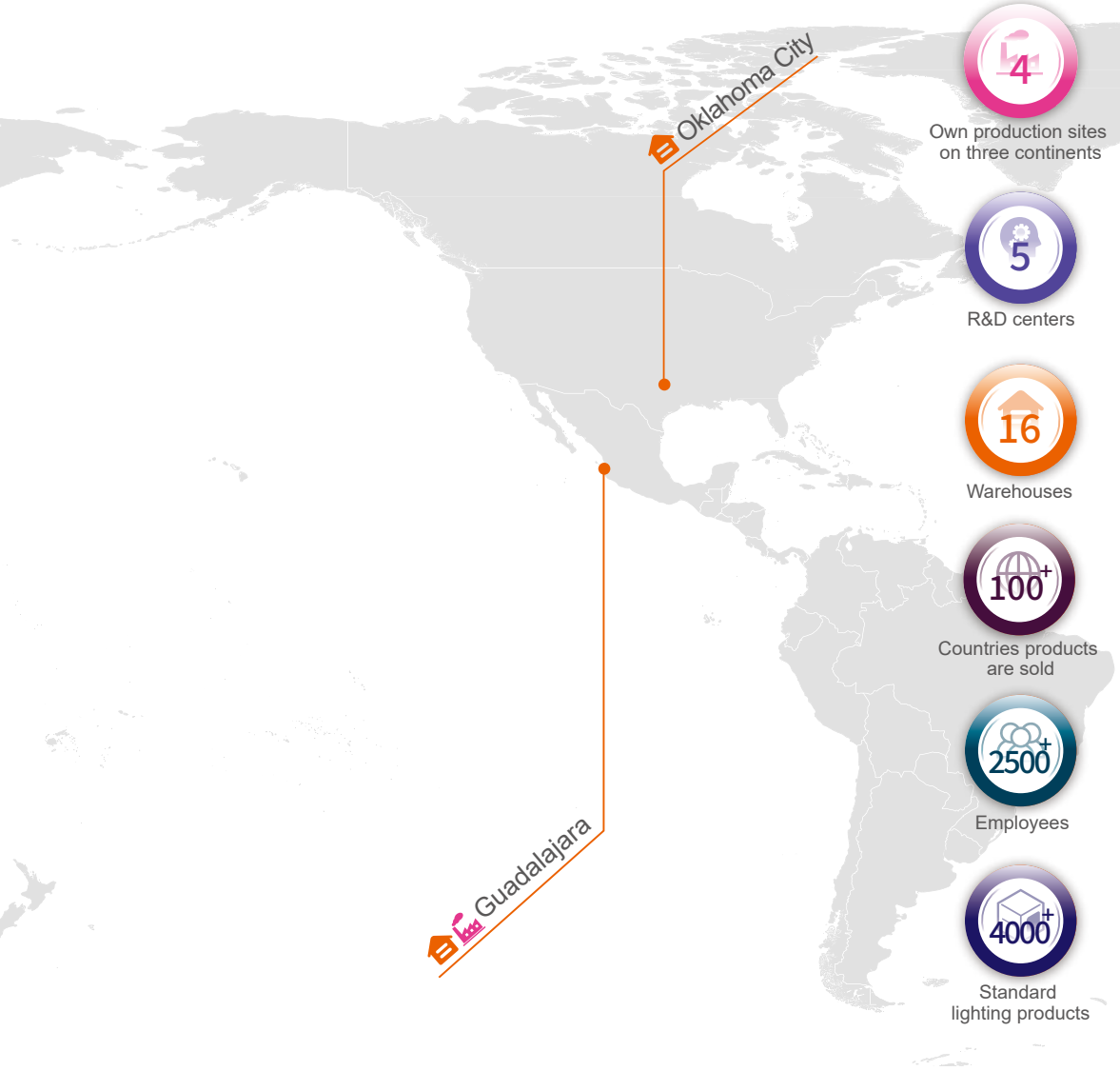
A Broad Portfolio Of Dependable Products

You benefit from industry-leading comprehensive portfolio of indoor and outdoor high-quality, energy-efficient products and systems as well technical expertise in all lighting applications from a single source.

A Customer-Focused, Service-Driven Collaborator

We develop for and together with you best fitting components and solutions – from standard to customized.

HQ-Hangzhou, China Warehouses Manufacturing Facilities R&D Centers



4
Own production sites on three continents

5
R&D centers

16
Warehouses

100+
Countries products are sold

2500+
Employees

4000+
Standard lighting products

Inventronics(Hangzhou),Inc.

Mexico Manufacturing Facility

Italy Manufacturing Facility

Inventronics Tonglu LED Driver Industrial Park

India Manufacturing Facility

A Forward-Looking, Global Enterprise
We provide consulting, know-how, products, and services from a single source worldwide. Our customer proximity is our core – with on-site contacts and direct connections, you benefit from our global reach.

An Innovative Technology Leader
Through continuous research and development, we improve and extend our range of highly reliable solutions with advanced technologies that ensure you are one step ahead.

A Trusted Partner for Lighting Companies and beyond
We don't compete with our customers; we work with you to create value and make you more successful.

At Inventronics, we are committed to delivering superior lighting solutions and building lasting partnerships for a brighter future.

Street & Area

Light is safety!

Street and Area

Street & Area lighting improves safety, efficiency, and quality of life. LED lighting and smart technology creates sustainable, vibrant cities by guiding pedestrians, transforming spaces, and ensuring safe vehicle transitions.

Expertise

Light is necessary to travel safely on streets at night. We provide a complete set of LED modules and drivers that can be adjusted to the optimal level by sensing traffic and daylight.

- **High ratio of light**
- **Intelligent control system**
- **Light dimming**

System value

- Robust lighting system solutions with full range of accessories.
- Reliable design for a long product life span and low maintenance.
- Simple and intelligent control systems for easy installation, commissioning and inspection.
- Complies with several dimming and control standards such as 0-10V, DALI-2 and D4i.
- System compatibility between drivers, modules, surge protection devices and controls solutions (wired and wireless).
- Fully complies with safety requirement and regulations.

Sports

Light is thrilling!

Sports

We craft 'Visual Referees' (IEEE 1789 flicker-free) with 1% super low ripple drivers, 'Endurance Guardians' (100,000h+ lifetime), and 'Scene Magicians' (44fps dynamic dimming) – so every stadium moment, from a local training facility to an Olympic stadium, can enjoy their special moment worry free.

Professional

Semi-Professional

Training / Recreation

Large Area (Ports & Airports)

Expertise

Bring every pivotal moment to life with precision lighting that elevates your event's impact! For athletes, spectators, and broadcasters alike, unmatched performance demands certified illuminance levels, flawless uniformity, and real-time adaptability. Our advanced sports lighting systems deliver:

- **Compliant solutions for world-class competitions**
- **Dynamic control for broadcast-quality visuals**
- **Durability & energy efficiency**

System value

- Complete and harmonious lighting solutions with full-range LED drivers, modules and connectivity accessories, catering seamlessly to everything from training facilities to international sporting events.
- System compatibility relieve customers' worries.
- Reliable and long-lasting design with 100,000+ hours lifetime and low maintenance requirements, ensuring stable operation in harsh environments.
- Flicker-free lighting design complies with IEEE 1789, providing a clear and comfortable visual experience for high-definition broadcasts.
- Precise and stable lighting control system supporting multiple protocols with as low as to 0.1% dimming and dynamic control up to 44fps, enabling personalized lighting adjustment for various sports scenarios.

Horticulture

Light for sustainable growth!

Horticulture

We craft 'Spectrum Chefs' (dynamic 380-800nm tuning) with multi-channel drivers, 'Energy Savers' (97.5% efficiency), and 'Environment Guardians' (IP67 waterproofing) – so every plant savors a tailored light recipe, turning growers' harvests from weather-dependent to light-driven.

Greenhouse

In Farming

Animal Farming

Aqua Culture

Expertise

At the core of every bountiful harvest lies precision lighting. As the global leader in agricultural LED drivers, Inventronics delivers durable, fully customizable systems that adapt to your crops' lifecycle needs: Our advanced Horticulture lighting systems deliver:

- **Evergreen reliability**
- **Dynamic spectrum control to boost yields**
- **Energy efficiency for cutting utility costs**

System value

- Multi-channel drivers with Power Transfer enabling dynamic 380-800nm wavelength adjustments to optimize photosynthesis to boost yields.
- 97%+ driver efficiency with high luminous efficacy module cuts energy costs.
- Multi-protocol support (0-10V/ Digital dimming / D4i) enable adaptive lighting strategies and fully controlled light environment for harvest guarantee.
- IP67-rated waterproof drivers ensure reliable operation in humid and extreme-temperature environments, minimizing downtime.
- Flexible lighting scheme setting with a precise control system.

Heavy Industry

Light is reliable!

Heavy Industry

Our heavy industrial LED lighting is renowned for its reliability, delivering powerful brightness, exceptional performance, and unmatched efficiency and durability in harsh environments.

Expertise

Light ensures visibility under complex working conditions.

We provide continuous and reliable lighting services in extreme environments.

- **Robust explosion-proof design**
- **Excellent input voltage protection**
- **Adaptable to extreme temperatures**

System value

- Reliable LED driver solutions for flammable and explosive environments, that can be used in explosion-proof luminaires in hazardous zones.
- Robust design with a low maintenance rate ensures production safety in hazardous environments where heavy equipment is used.
- Reliable lighting support for extreme temperature environments.

Industrial

Light is robust!

Industrial

Ensure adaptable illumination in your warehouses, manufacturing plants, and logistics hubs for precise and safe working conditions while minimizing maintenance and energy costs.

Benefit from robust, efficient and lasting lighting solutions from Inventronics for your industrial application!

Expertise

Choose our comprehensive lighting system, including durable LED modules, smart drivers, controls, and sensors, all available globally for:

- **Visual comfort, energy efficiency & control**
- **Harsh conditions & durability**
- **Simplified maintenance**

System value

- Extended reliability with system approach, built on fully tested, highly reliable components.
- System designed for higher efficiency & durability.
- Tested component interoperability, including LED modules, smart drivers, sensors, and controls.
- Outstanding Lighting control, from comfortable switching and dimming, group and scenes control, until daylight harvesting.
- Enhanced monitoring options for energy consumption, voltage peaks or residual lifetime, remotely accessible via cloud.
- Fastest pre-installation programming & user-friendly on-site commissioning.

Architectural

Light is design!

Architectural

Experience the ultimate in world-class quality with our portfolio — enabling you to specify with unwavering confidence and peace of mind.

Expertise

Our lighting systems are designed to support unique and long-lasting lighting experiences:

- **Flexible**
- **Dynamic**
- **Durable**

System value

- Highest optical uniformity with outstanding stability over time of color coordinates & luminous flux levels.
- Complete, tested, and guaranteed interoperable components to build any seamless curvilinear lighting systems.
- Extended installation possibilities, with the LED driver up to 50m away from the LED module ensuring full dimming functionality, with accurate dimming down to 0.01%.
- Our lighting systems can create the most precise smart light effects, thanks to a state-of-the-art set of controllable devices, including both wired and wireless controls and sensors.
- Our global technical service ensures the necessary on-site support for your lighting project, including component customization.

Commercial
Light at work!

Commercial

Choose the most fitting cost-benefit smart lighting system for your solutions.

By selecting our advanced systems, your solutions will deliver quality lighting, reduce operational costs, and add benefits of IoT services beyond lighting.

Expertise

In office spaces, educational institutions, and public buildings, lighting systems play a crucial role in promoting comfort, productivity, and energy efficiency.

Our systems are designed to deliver the highest light quality benefits, while maximizing operational flexibility, thanks to:

- **Sophisticated lighting control**
- **Efficient & durable components**
- **Simple operation & future scalability**

System value

- Our systems are built on fully tested, interoperable components, including LED modules, smart drivers, sensors, and controls.
- Best-in-class levels of efficiency and durability, making them a building block for sustainable solutions and circular economy.
- We champion standardization to integrate the latest technical advancements in the lighting industry.
- Beyond complete lighting systems, we provide comprehensive technical support, from customization to meeting special requirements.
- Our smart controls, both wired and wireless, ensure light comfort without compromising energy savings, while remaining open to IoT services beyond lighting applications.
- Systems designed to meet the application requirements with geographical fit.

Retail & Residential

Light is experience!

Retail

Whether it's a boutique store or a luxury home, by selecting our cutting-edge technology, including superior dimming capabilities, tuneable white technology, and smart controls, allow your lighting solutions to seamlessly adjust to various needs and preferences, providing an exceptional user experience.

Expertise

Shops and residential environments requires linear, surface, and spot-lighting sources to create a desired mood & experience. Choose our lighting systems to ensure you get the most valuable and advanced benefits in the market:

- **Compact systems**
- **Smart lighting controls**
- **Efficient color rendering**

System value

- Compact components making use of state-of-the-art technology.
- Highest light uniformity and outstanding color temperature across the full portfolio.
- Full dimming functionality with precise resolution and uniformity across multiple light sources at any dimming level.
- Sophisticated (while simple to use) lighting controls and sensors for wired or wireless system scalability and smart illumination.
- Best in class levels of efficiency and durability, making our system a building block for sustainability in any lighting project.
- Global technical service and component customization to support your designs and prestigious lighting projects, anywhere.

Signage

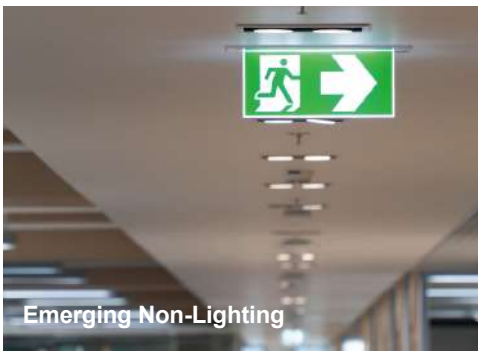
Light is noticeable!

Signage

When you choose one of our signage lighting systems it allows your brand to stand out amongst the crowd with exceptional visibility and reliability.

Experience the highest homogeneity of illumination with our backlighting systems, designed to deliver the brightest, most efficient, and most reliable illumination with full light control.

Digital Signage


Emerging Non-Lighting

Expertise

Attractive advertising or impressive surface illumination requires backlighting systems to create eye-catching channel letters in ads or consistent, color-matched backlit ceilings and walls for unique interior designs.

- **Light uniformity & efficiency**
- **Complete component system**
- **Durability & long-lasting reliability**

System value

- Our LED modules are designed to deliver best-in-class homogeneous light for any backlit surface, shape and depth.
- Enhanced backlighting flexibility with modular systems available in a wide range of power and luminous flux options, in monochromatic white, tuneable white, and RGBW.
- Ease of installation, with complete set of application-specific accessories, making installation fast and intuitive.
- Our patented solutions, from lenses to smart drivers, ensure the highest system efficiency during operation, while providing full light control.
- Extended system warranty, built on fully tested, interoperable components, including LED modules, smart drivers, sensors, and controls.
- Our global technical service supports lighting projects with comprehensive assistance, including component customization.

Lighting System Cases

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Controls, Sensors, Programming Tools & Accessories

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LED Drivers & Accessories

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Light Modules & Accessories

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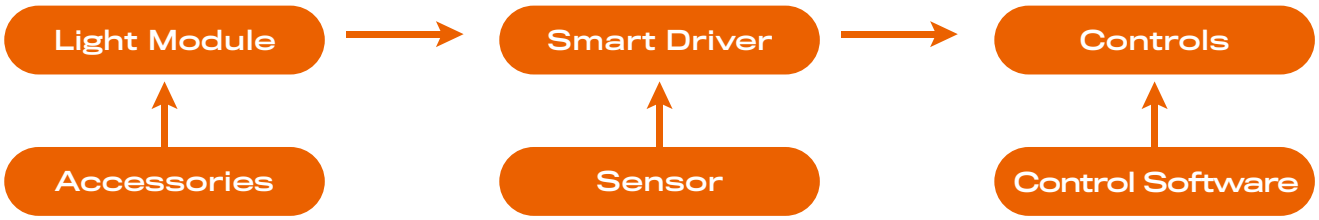
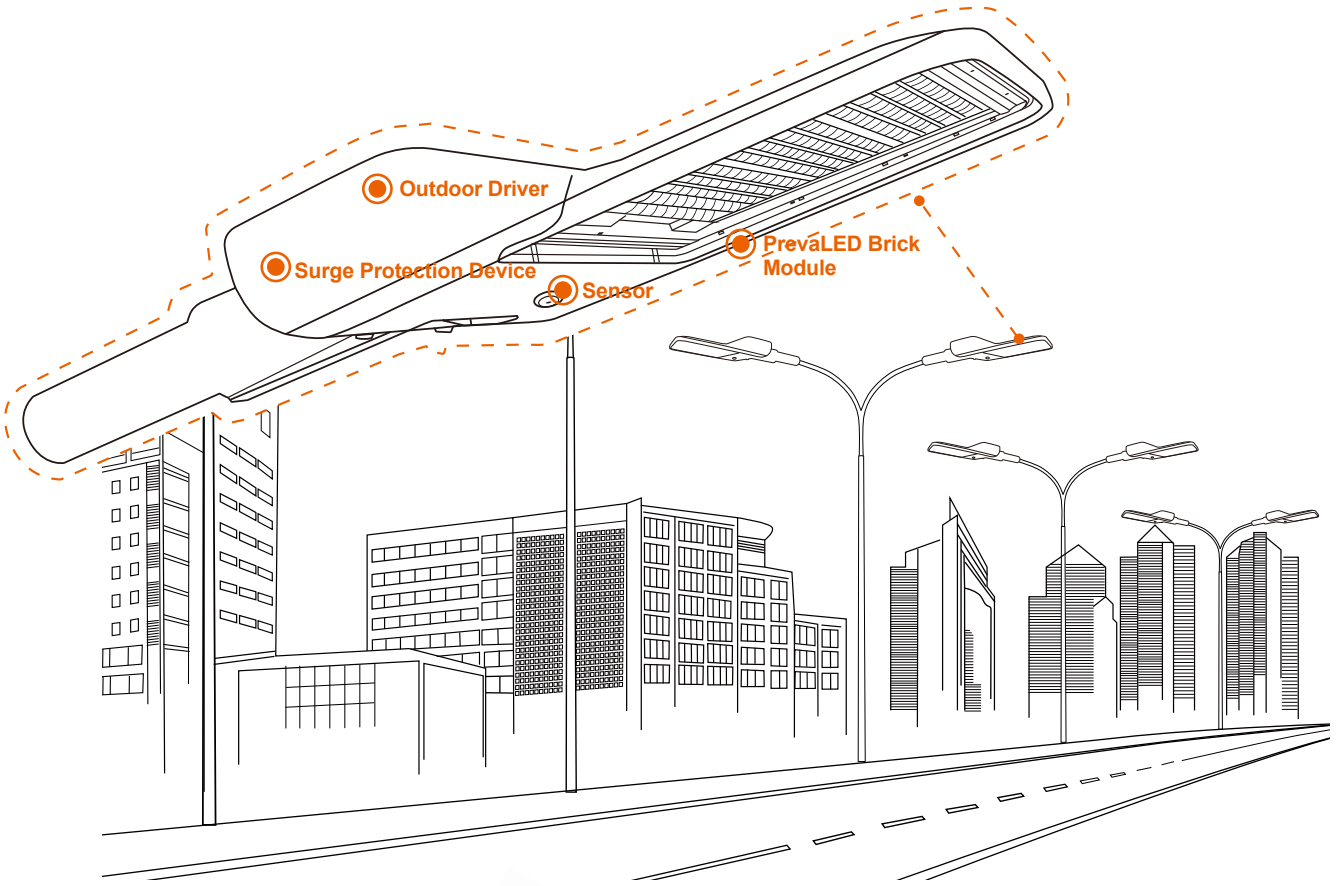
Lighting System Examples

System Overview



Outdoor



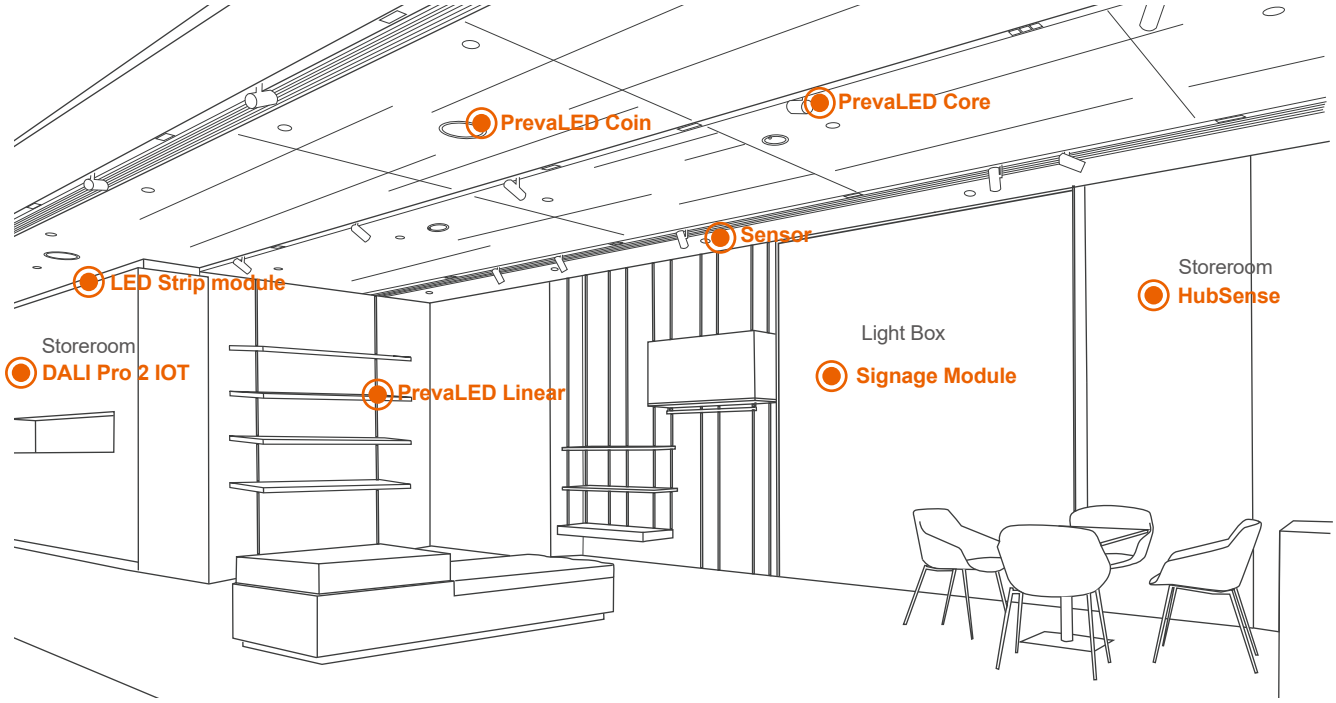
Outdoor Driver

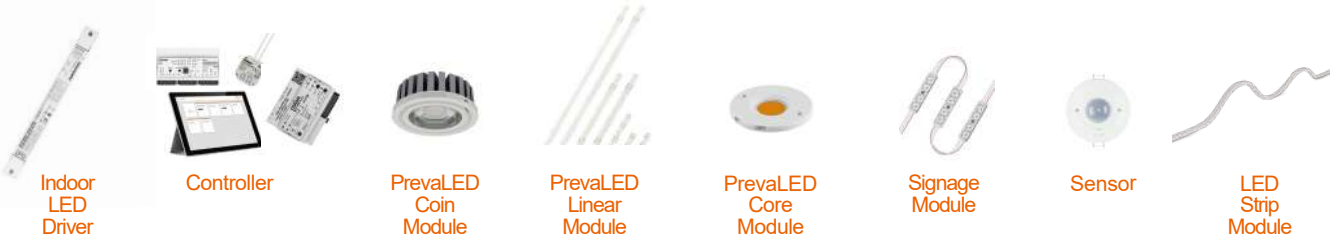
PrevaLED Brick Module

Surge Protection Device

Sensor

Indoor





Indoor LED Driver | Controller | PrevaLED Coin Module | PrevaLED Linear Module | PrevaLED Core Module | Signage Module | Sensor | LED Strip Module

Lighting System Examples

Discover the Benefits of Choosing Our Complete System Over Assembling Components From Multiple Vendors:

- Extended the Component Warranty Up to 10 Years (System Based on Inventronics Components).
- Tested Component Interoperability, Among LED Driver, LED Module, Sensors & Controls.
- Increased Functional System Features (eg. Down to 0,01% Accurate Dimming, Safe-Dimming Technology and Up to 50m Secondary Output Cables for Constant Voltage Systems).
- Ease of Installation By Means of Inventronics Application Specific Accessories.
- Complete User-Friendly Programming Tools.
- Future-Proof System Control Scalability & Upgradability.
- One Partner to Source the Complete Component-Set for the Target LED System, Providing Ordering & Logistic Simplification / Optimization.
- Global Commercial & Technical Support to Ensure System Added Value to Partner's Business and Lighting Requirements.

Product Features

- DALI-2 certified
- IoT ready with built-in gateway for remote data access
- Easy browser-based commissioning UI and Professional Software available
- Small form factor: only 6 TE (DIN rail)
- Commissioning via Ethernet/WLAN

Safety Certifications

CE

Advantages

- DALI-2 certified for improved multi-vendor interoperability
- Template based onsite commissioning via Smart device
- Building Management System integration via optional KNX interface
- Remote access for changes in the configuration from every location
- LAN Interconnect to connect up-to 8 Controllers into one network
- Rest API for connection of a 3rd party Cloud with the DALI Pro2 IoT Controller
- Automated testing and reporting of emergency lighting installations
- Daylight Simulation via scene recall and/or light sensor regulation

Product Name	EAN
DALI PRO 2 IOT	4062172114189 | 6977078993692

More Technical Data

Product Features

- Up to 4 DALI PCU TW G2 can be connected in parallel to set up multiple control points
- Automatic synchronization between the control points
- Cover and rotary switch in neutral white
- Length of the DALI control cable: up to 300 m

Advantages

- Intuitive manual dimming, switching and changing of colour temperature
- Individual setting of minimal brightness level
- Individual setting of colour temperature range

Safety Certifications

CE EAC

Product Name	EAN
DALI MCU TW G2	4062172224673 | 6977078993777

More Technical Data

Product Features

- Compact light control with DALI interface
- Smart phone connection via Bluetooth® to control and configure
- Integrated clock for time based control of brightness and color temperature (HCL)
- Adaptable HCL curve with up to 24 points
- One DALI output channel (Broadcast or Groupcast)
- Up to 32 DALI luminaires connectable
- Supports up to 4 OSRAM DALI sensors and pushbutton couplers
- Daylight-dependent regulation and presence-dependent control of light
- Pushbutton interface to separately control brightness and color temperature

Advantages

- Daytime depending change of brightness and color temperature (HCL)
- Suitable for Human Centric Lighting Applications (HCL)
- Control the light via Smartphone
- Adjustment of all settings via smartphone
- Up to 4 timers with ON-/OFF-Time and weekday configurable
- Simplified startup thanks to predefined operation modes
- Intuitive manual dimming, switching and changing of colour temperature
- Up to 4 groups separatly controllable
- Adjustable Offset for different groups
- Easy Scene creation via App
- Firmware update over-the-air via Bluetooth possible
- Integrated DALI supply
- Control of standard white or Tunable White light acc. DALI device type 8 (DT8)
- Selected DALI parameters changeable via APP

Safety Certifications

CE

Product Name	EAN
DALIECO BT RTC CONTROL	4062172016537 | 6977078993753

More Technical Data

DALI-2 Sensor LS/PD HB LI

Product Family Features

- Light and motion sensor for luminaire installation
- Motion detection via passive IR element
- Light sensor operating range: 5…2000 lx (measured at sensor)
- Detection height up to 17 m
- Function indicator LED
- Intended for installation into a standard ½" knockout

Product Family Benefits

- Design freedom due to compact size
- Protection Class IP65 (In installed condition)
- Easy to integrate in luminaire
- DALI-2 certified
- DALI Bus powered (No mains connection necessary)
- Multiple sensors connectable to the same DALI line
- Shutter included to optimize sensor detection
- Integreatable in light- and building management systems supporting DALI-2 sensors

Product Name	EAN
DALI-2 SENSOR LS/PD HB LI	4052899630482 | 6977078993791

More Technical Data

Product Features

- Expansion of DALI systems by 64 DALI control gears each time
- Extends the DALI line by 300 m
- Maximum power consumption in stand-by mode: 1 W
- Four versatile operating modes: Basic, Group, Extend, Touch DIM
- Basic mode: DALI-2 certified DALI converter for grouping up to 64 standard DALI drivers.
- Group mode: Groups up to 64 DALI drivers and up to 5 Inventronics DALI-2 sensors.
- Group mode: Supports standard DALI drivers and DALI-DT8 drivers (TW / RGB (W)).
- Touch DIM mode: Simple switching and dimming of up to 64 drivers.
- Powerful power supply:130 mA DALI bus power supply

Advantages

- Can be addressed via DALI

Safety Certifications

CE

Product Name	EAN
DALI-2 REP LI	4055462450890 | 6937186116437

More Technical Data

Bluetooth NLC D4i Module Indoor

Product Features

- With/without Daylight and Occupancy Sensor D4i Module
- Bluetooth NLC enabled by Silvair
- Control of D4i drivers or DALI drivers with additional DALI bus power supply
- Intended for installation into a standard ½"" knockout
- Works with Hubsense®

Advantages

- Standard communication protocol released by Bluetooth SIG
- Design freedom due to compact size
- Easy to integrate in luminaire
- Minimize internal wiring in combination with D4i drivers
- Secured product communication granted by ioXT and PSA Certificates

Safety Certifications

Product Name	EAN
B NLC D HB LI	6977078990363
B NLC D LI R	6977078990387
B NLC D MB LI	6977078990448
B NLC D LB LI	6977078990462
B NLC D OF LI BK	6977078993425
B NLC D OF LI S	6977078997041
B NLC D OF LI	6977078997553

More Technical Data

Bluetooth NLC 0-10 Module Indoor

Product Features

- Design freedom due to compact size
- Easy to integrate in luminaire
- Minimize internal wiring in combination with 0-10V LED drivers

Advantages

- With/without Daylight and Occupancy Sensor
- Bluetooth NLC
- Control of 0-10V LED drivers
- Works with Inventronics Hubsense

Safety Certifications

CE SRRC

Product Name	EAN
B NLC A OF LI	6937186115959
B NLC A HB LI	6937186115973
B NLC A LI R	6937186115997

More Technical Data

Bluetooth NLC 220-240 LS/PD CI

Product Features

- Presence detection via passive IR element
- Detection height up to 4 meter
- Bluetooth NLC enabled by Silvair
- Suitable for up to 16 DALI-2 LED drivers (Part - 207) in broadcast mode

Advantages

- Ambient light dependent control and presence detection
- Shutter included to optimize sensor detection
- Simplified mounting for flush device boxes
- Large motion detection range

Safety Certifications

Product Name	EAN
B NLC 220-240 LS/PD CI	6977078990400

More Technical Data

Bluetooth NLC D4i Module Outdoor

Product Features

- Microwave, PIR or light sensor
- Bluetooth NLC enabled by Silvair
- Control of D4i drivers or DALI drivers with additional DALI bus
- power supply
- Intended for installation to Zhaga socket 18
- Works with Inventronics D4i LED drivers

Advantages

- Standard communication protocol released by Bluetooth SIG
- Design freedom due to standard dimensions
- Easy to integrate in luminaire
- Minimize internal wiring in combination with D4i drivers
- Secured product communication granted by ioXT and PSA Certificates

Safety Certifications

Product Name	EAN
B NLC D4I HF P Z	6977078990486
B NLC D4I PD P Z	6977078990509
B NLC D4i LS P Z	6977078999519

More Technical Data

Software

Professional software to support your Inventronics components

- **Tuner4TRONIC** Software suite for OEM
- **Software and apps** For configuring and controlling

Programming Tools

PRG-MUL2

Features

- Programmer for All Inventronics DALI and 0-10V Programmable Drivers
- Offline Programming Capability
- Automatic Programming Mode

PRG-NFC-H

Features

- For Use with Inventronics NFC Enabled Drivers
- Zhaga Book 24 Compliant
- USB Powered
- IP30
- Connects to Inventronics Multi-Programmer Software

PRG-NFC-D2

Features

- For Use with Inventronics NFC Enabled Drivers
- Zhaga Book 24 Compliant
- USB Powered
- IP42
- Connects to Inventronics Multi-Programmer Software

DALI magic

Features

- USB DALI converter for Tuner4TRONIC and DALI wizard software for Windows PC
- Pushbutton to test DALI dimming without need of connection to computer
- Powered by USB or by included universal power supply
- Integrated automatic DALI supply of up to 64 devices (up to 4 if powered by USB)

Converters

DMX-RDM

CNV-DMXR2

DMX-RDM Stadium/Stage Lighting Management Solutions

Features

- Converts DMX-RDM Signal to 0/1-10V Dimming Signal
- Compatible with RDM over DMX512 Networks with Bi-Directional Communication

DALI-2

CNV-DALI2

DALI-2 Stadium/Stage Lighting Management Solutions

Features

- Convert DALI-2 Signal to 0/1-10V Dimming Signal
- Comply with DALI-2 Protocol
- Powered By Auxiliary Power with 3-Wire Connection to Driver

OT DX NFC E/G2

Inventronics Advantages

- For Zhaga Book18 Luminaires and D4i certified incl. Parts 25x + AUX
- Input Voltage Range： 176 ~ 264Vac
- Electrical interface and data communication fully based on open standards
- Fully programmable via software (DALI Interface, NFC)
- Low luminous efficacy tolerance through low output current tolerance of ± 1,5 %
- High surge protection: up to 10 kV in protection class I or II
- Lifetime: up to 100,000 h (depending on Tc temperature, max. 10 % failure rate)
- Mains input undervoltage protection
- DEXAL interface (with 15V current supply on DALI-2 lines - DALI Part 250)
- SELV DEXAL and 24V AUX interface (DALI Part 150) up to 6W
- Standardized DALI-2 communication (incl. monitoring data, energy metering)
- Integrated ESD protection: more robust for installation on non-conductive poles
- Optimized NFC for programming from the top: easy accessibility in luminaires
- Surge and overvoltage protection on DALI interface for DALI installations
- LSI port for additional sensors and accessories
- Full compatibility with Tuner4TRONIC and T4T Field App
- BOX Programming: all drivers in one BOX can be programmed in one step

About OPTOTRONIC DEXAL

The OPTOTRONIC DEXAL series is a constant-current, programmable and IP20 built-in LED driver, that operates from 176-264Vac input voltage with excellent efficiency and power factor. It helps in reducing the number of needed SKUs, thanks to wide operating windows, and it provides a robust, efficient, and all-round solution for connected street and area lighting, thanks to the D4i standardized interface.
Special features as low inrush current, extra ESD protections and high surge protection on DALI port, makes the product extremely robust for harsh outdoor conditions.
Furthermore, thanks to the LSI digital port, it can be combined with stand alone sensors to manage luminaires lumen output based on people and vehicle presence.
Also available with 2 channels for DT6 and DT8 tunable white applications.

Accessories

OT DX SD BOX

- Adds the StepDIM functionality to the Outdoor DEXAL LED driver range
- High surge protection: up to 10 kV (in protection class I or II)

Dimming Functions

StepDIM, AstroDIM (Timer) DALI DT6 and DT8

Safety Certifications

Nominal Output Power (W)	Product Name	Programmable Output Current (mA)	Min Dimming Output Current (mA)	Output Voltage (Vdc)	Eff.@ 230Vac	Dimensions (L×W×H)(mm)
24	OT DX24/170-240/0A7 DIMA NFC G2 CE	150 ~ 700	35	12 ~ 48	89%	133 x 77 x 40mm
40	OT DX40/170-240/1A0 DIMA NFC G2 CE	150 ~ 1050	35	15 ~ 65	90%	133 x 77 x 40mm
75	OT DX75/170-240/1A0 DIMA NFC G2 CE	150 ~ 1050	35	35 ~ 150	93%	150 x 90 x 40mm
110	OT DX110/170-240/1A0 DIMA NFC G2 CE	150 ~ 1050	35	65 ~ 230	93%	150 x 90 x 40mm
165	OT DX165/170-240/1A0 DIMA NFC G2 CE	150 ~ 1050	35	130 ~ 260	94%	150 x 90 x 40mm
200	OT DX200/170-240/1A0 DIMA NFC G2 CE	150 ~ 1050	35	140 ~ 300	94%	170 x 100 x 40mm

Nominal Output Power (W)	Product Name	Programmable Output Current (mA)	Min Dimming Output Current (mA)	Output Voltage (Vdc)	Eff.@ 230Vac	Dimensions (L×W×H)(mm)
40	OT DX 40/170-240/1A0/2C NFC E TW	150 ~ 1050	25	15 ~ 65	89%	150 x 90 x 40mm
75	OT DX 75/170-240/1A0/2C NFC E TW	150 ~ 1050	25	35 ~ 118	92%	150 x 90 x 40mm

Inventronics Advantages

- High efficiency up to 93%
- Input Voltage Range: 170 ~ 264Vac
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Support DALI programming and NFC programming
- AstroDIM for autonomous dimming with five independent levels (Astro time mode)
- Dim-to-Off with Standby Power ≤ 0.5 W
- Always-on Auxiliary Power: 24Vdc, 125mA,3W (Transient Peak Power up to 6W)
- Integrated Power Monitoring with Accuracy up to±5%
- Constant Light Output
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- Dali Protection for programming cable (up to 15m)
- All-Around Protection: OVP, SCP, OTP, OLP, NLP, OPP
- IP20 Design and Suitable for Outdoor Applications in Luminaires with IP>54
- Suitable for Luminaries with Protection Class I and II
- Complies with Zhaga Interface Specification Book 13
- Full compatibility with Tuner4TRONIC and T4T Field APP

About ICUTRONIC DEXAL

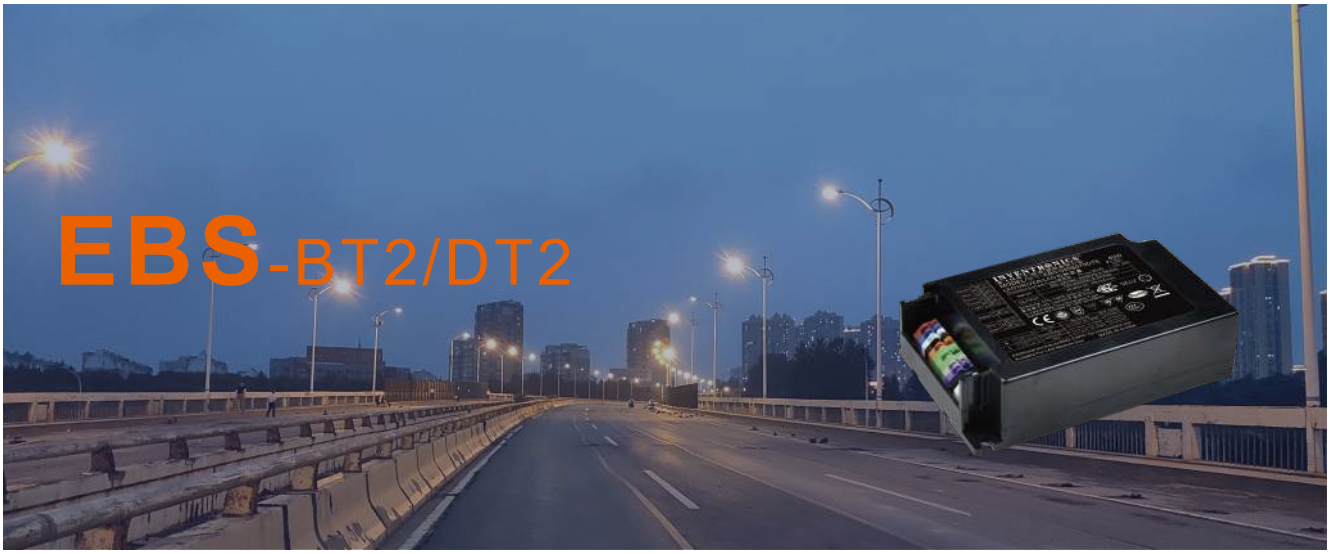
The ICUTRONIC DEXAL series is a constant-current, programmable and IP20 built-in LED driver, that operates from 176 ~ 264Vac input voltage with excellent efficiency and power factor. It helps in reducing the number of needed SKUs, thanks to wide operating windows, and it provides a robust, efficient, and all-round solution for connected street and area lighting, thanks to the D4i standardized interface.

Dimming Functions

- DALI-2/D4i / Timer Dimmable
- Adjustable Dimming Curve

Safety Certifications

Output Power (W)	Model No.	Programmable Output Current (mA)	Min Dimming Output Current (mA)	Output Voltage (Vdc)	Eff.@ 230Vac	Dimensions (L×W×H)(mm)
24	IT DX 24/220-240/1A0 NFC E	200 ~ 1050	50	12 ~ 48	89%	123 x 79 x 33
40	IT DX 40/220-240/1A0 NFC E	200 ~ 1050	50	20 ~ 77	90%	123.3 x 79.7 x 33.4
75	IT DX 75/220-240/1A0 NFC E	200 ~ 1050	50	35 ~ 150	92%	133 x 77 x 37
110	IT DX 110/220-240/1A0 NFC E	200 ~ 1050	50	65 ~ 230	93%	150 x 90 x 39.5



Common Features

- High Efficiency (Up to 94.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Input Voltage Range: 176 ~ 305Vac
- Output Lumen Compensation
- End-of-Life Indicator
- Long Lifetime Over 100K Hours at 75°C Case Temperature
- Input Surge Protection: DM 6kV, CM 10kV
- IP20 Design and Suitable for Outdoor Applications in Luminaires with IP>54
- Suitable for Luminaires with Protection Class I and II
- Complies with Zhaga Interface Specification Book 13
- 8-Year Warranty

EBS-BT2 Version Features

- DALI-2 and D4i Certified
- Always-on Auxiliary Power: 24Vdc,125mA, 3W (Transient Peak Power up to 10W)
- Integrated 16Vdc Bus Power Supply Based on DALI-2
- Integrated Power Monitoring with High Accuracy up to ±1%
- Thermal Sensing and Protection for LED Module
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP

EBS-DT2 Version Features

- All-Around Protection: OVP, SCP, OTP

Dimming Functions

- Isolated 1-10V / 3-Timer-Modes Dimmable (DT2 Models)
- DALI-2 / AC Dim / 3-Timer-Modes (BT2 Models)
- Dim-to-Off with Standby Power ≤ 0.5 W (BT2 Models)

Accessories

END-CAP02
Cable Clamp for Independent Applications

Safety Certifications

SAA

About EBS

EBS-BT2

The EBS-BT2 family comprises DALI-2 D4i LED drivers designed to provide OEMs with crucial driver information, reduced maintenance and product expenses, and simplified installation processes. These drivers include Inventronics Controls-Ready features such as Dim-to-Off and Always-On Auxiliary Power, enabling seamless integration with various lighting control networks. They are compatible with Class I and II luminaires, built-in use, and have a Zhaga compatible form factor. Operating within a voltage range of 176-305Vac, they supply streamlined production with time-saving wireless programming and offer a wide output current range. Additionally, these drivers include AC power monitoring, built-in surge protection, and output lumen compensation for enhanced functionality.

EBS-DT2

The EBS DT2 family represents the next generation of Class I/II drivers, offering a simplified yet highly flexible solution. These drivers feature convenient push terminals, wireless programming via Near Field Communication (NFC), and multiple dimming options. Their streamlined design facilitates easier installation, leading to a reduction in production time and lower installation costs. Additionally, they ensure reliability and quality performance with built-in surge protection, output lumen compensation, and an end-of-life indicator. Designed to meet the Zhaga Interface Book 13 edition 2, the EBS-DT2 drivers can seamlessly integrate into more compact and slim European luminaires.

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
25	EBS-025S045BT2	300 ~ 450	28 ~ 84	88.5%	120,000 Tc=75°C	133x77x33
	EBS-025S070BT2	450 ~ 700	18 ~ 56	88.5%		
	EBS-025S105BT2	700 ~ 1050	12 ~ 36	87.0%		
	EBS-025S045DT2	300 ~ 450	28 ~ 84	88.5%	109,000 Tc=75°C	133x77x33
	EBS-025S070DT2	450 ~ 700	18 ~ 56	88.0%		
	EBS-025S105DT2	700 ~ 1050	12 ~ 36	87.5%		
40	EBS-040S045BT2	300 ~ 450	44 ~ 133	90.5%	110,000 Tc= 75°C	133 x 77 x 33
	EBS-040S070BT2	450 ~ 700	28 ~ 89	90.5%		
	EBS-040S105BT2	700 ~ 1050	19 ~ 57	89.5%		
	EBS-040S045DT2	300 ~ 450	44 ~ 133	90.5%	104,000 Tc= 75°C	133 x 77 x 33
	EBS-040S070DT2	450 ~ 700	28 ~ 89	89.0%		
	EBS-040S105DT2	700 ~ 1050	19 ~ 57	89.5%		
80	EBS-080S070BT2	450 ~ 700	57 ~ 178	92.5%	100,000 Tc= 75°C	133 x 77 x 36
	EBS-080S105BT2	700 ~ 1050	38 ~ 114	92.5%		
	EBS-080S150BT2	1050 ~ 1500	27 ~ 76	92.0%		
	EBS-080S070DT2	450 ~ 700	57 ~ 178	92.5%	120,000 Tc= 75°C	133 x 77 x 36
	EBS-080S105DT2	700 ~ 1050	38 ~ 114	92.5%		
	EBS-080S150DT2	1050 ~ 1500	27 ~ 76	91.5%		
120	EBS-120S070BT2	450 ~ 700	86 ~ 266	93.5%	120,000 Tc=75°C	150 x 85 x 39
	EBS-120S105BT2	700 ~ 1050	57 ~ 171	93.0%		
	EBS-120S150BT2	1050 ~ 1500	40 ~ 114	93.0%		
	EBS-120S070DT2	450 ~ 700	86 ~ 266	93.0%	100,000 Tc=75°C	150 x 85 x 39
	EBS-120S105DT2	700 ~ 1050	57 ~ 171	93.0%		
	EBS-120S150DT2	1050 ~ 1500	40 ~ 114	92.5%		
165	EBS-165S070BT2	450 ~ 700	118 ~ 367	94.0%	120,000 Tc=75°C	170 x 100 x 40
	EBS-165S105BT2	700 ~ 1050	79 ~ 236	94.0%		
	EBS-165S150BT2	1050 ~ 1500	55 ~ 157	93.5%		
	EBS-165S070DT2	450 ~ 700	118 ~ 367	94.0%	115,000 Tc=75°C	170 x 100 x 40
	EBS-165S105DT2	700 ~ 1050	79 ~ 236	94.0%		
	EBS-165S150DT2	1050 ~ 1500	55 ~ 157	94.0%		

Inventronics Advantages

- 4DIM functionalitys in one device: StepDIM, AstroDIM, MainsDIM, DALI
- Input Voltage Range：176 ~ 264Vac
- 1DIM functionality: AstroDIM
- DALI-2 certified incl. Parts 251, 252, 253
- Easy and fast wireless luminaire programming
- Very high efficiency up to 94%
- High surge protection: up to 10 kV (in protection class I or II)
- Great flexibility due to wide operating temperature range of up to -40…60 °C
- High surge DALI protection: 1 kV
- Protection through double isolation between mains input and LED output
- Optimized NFC for programming from the top: easy accessibility in luminairesConstant Light Output
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP, OLP, NLP, OPP
- IP20 Design and Suitable for Outdoor Applications in Luminaires with IP>54
- Suitable for Luminaries with Protection Class I and II
- Complies with Zhaga Interface Specification Book 13
- Full compatibility with Tuner4TRONIC and T4T Field APP

About OPTOTRONIC 4DIM/1DIM

The Optotronic 4DIM/1DIM G3 series is a constant-current, programmable and IP20 built-in LED driver, that operates from 176-264Vac input voltage with excellent efficiency and power factor. It helps to optimize luminaire performances thanks to multiple operating windows, and it provides a robust, efficient, and all-round solution for connected street and area lighting (OT 4DIM with DALI-2) or for basic luminaires with only autonomous dimming requirements (OT 1DIM with AstroDIM)

Dimming Functions

- 4DIM: StepDIM, AstroDIM (Timer), MainsDIM, DALI
- 1DIM: AstroDIM (Timer)

Safety Certifications

Model	Output Power (W)	Product Name	Programmable Output Current (mA)	Min Dimming Output Current (mA)	Output Voltage (Vdc)	Eff. @ 230Vac	Dimensions (L×W×H)(mm)
StepDIM, AstroDIM, MainsDIM, DALI	22	OT 20/170-240/1A0 4DIM NFC G3CE	150 ~ 1050	70	10 ~ 38	87.0%	123 x 79 x 33mm
StepDIM, AstroDIM, MainsDIM, DALI	40	OT 40/170-240/0A7 4DIM NFC G3CE	150 ~ 700	70	30 ~ 77	90.0%	123 x 79 x 33mm
StepDIM, AstroDIM, MainsDIM, DALI	40	OT 40/170-240/1A0 4DIM NFC G3CE	150 ~ 1050	70	15 ~ 56	90.0%	123 x 79 x 33mm
StepDIM, AstroDIM, MainsDIM, DALI	75	OT 75/170-240/0A7 4DIM NFC G3CE	150 ~ 700	70	50 ~ 150	93.0%	123 x 79 x 33mm
StepDIM, AstroDIM, MainsDIM, DALI	75	OT 75/170-240/1A0 4DIM NFC G3CE	150 ~ 1050	70	35 ~ 115	93.0%	123 x 79 x 33mm
StepDIM, AstroDIM, MainsDIM, DALI	75	OT 75/170-240/1A5 4DIM NFC G3CE	350 ~ 1500	70	25 ~ 75	93.0%	133 x 77 x 40mm
StepDIM, AstroDIM, MainsDIM, DALI	110	OT 110/170-240/1A0 4DIM NFCG3CE	150 ~ 1050	70	55 ~ 157	93.0%	133 x 77 x 40mm
StepDIM, AstroDIM, MainsDIM, DALI	110	OT 110/170-240/0A7 4DIM NFCG3CE	150 ~ 700	70	80 ~ 220	93.0%	133 x 77 x 40mm
StepDIM, AstroDIM, MainsDIM, DALI	165	OT 165/170-240/1A0 4DIM NFCG3CE	150 ~ 1050	70	90 ~ 260	94.0%	150 x 90 x 40mm
StepDIM, AstroDIM, MainsDIM, DALI	200	OT 200/170-240/1A0 4DIM NFCG3CE	150 ~ 1050	70	140 ~ 300	94.0%	170 x 100 x 40mm

Model	Output Power (W)	Product Name	Programmable Output Current (mA)	Min Dimming Output Current (mA)	Output Voltage (Vdc)	Eff. @ 230Vac	Dimensions (L×W×H)(mm)
AstroDIM	22	OT 20/170-240/1A0 1DIM NFC G3	150 ~ 1050	70	10 ~ 38	87.0%	123 x 79 x 33mm
AstroDIM	40	OT 40/170-240/0A7 1DIM NFC G3	150 ~ 700	70	30 ~ 77	90.0%	123 x 79 x 33mm
AstroDIM	40	OT 40/170-240/1A0 1DIM NFC G3	150 ~ 1050	70	15 ~ 56	90.0%	123 x 79 x 33mm
AstroDIM	75	OT 75/170-240/0A7 1DIM NFC G3	150 ~ 700	70	50 ~ 150	93.0%	123 x 79 x 33mm
AstroDIM	75	OT 75/170-240/1A0 1DIM NFC G3	150 ~ 1050	70	35 ~ 115	93.0%	123 x 79 x 33mm
AstroDIM	110	OT 110/170-240/0A7 1DIM NFC G3	150 ~ 700	70	55 ~ 157	93.0%	133 x 77 x 40mm
AstroDIM	110	OT 110/170-240/1A0 1DIM NFC G3	150 ~ 1050	70	80 ~ 220	93.0%	133 x 77 x 40mm
AstroDIM	165	OT 165/170-240/1A0 1DIM NFC G3	150 ~ 1050	70	90 ~ 260	94.0%	150 x 90 x 40mm

Common Features

- High Efficiency (Up to 96.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 90 ~ 305Vac(EUM-Mx) 249-528Vac(ESM-Mx)
- Always-on Auxiliary Power: 12Vdc, 250mA, 3W (Transient Peak Power up to 10W)
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

Dimming Functions

- Isolated 0-10V / PWM / 3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power

Safety Certifications

About EUM-Mx

The EUM-Mx series offers full power at a wide output current range and supply Controls-Ready features such as Dim-to-Off and an Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W to better power occupancy and daylight sensors. This provides a cost-optimized solution by removing the need for additional power packs and AC Relays. They offer a reliable performance with a high level of built-in surge protection and added Input Over Voltage (IOV) and Input Under Voltage (IUV) protection to help against poor power quality supplies to the LED driver. The MG series provides a global cable to reduce inventory SKUs, the MT Series are UL Class P recognized and the MB series are BIS certified to offer a solution for a wide range of applications and regions.

About ESM-Mx

The ESM-Mx family are high input voltage Controls-Ready drivers offering OEMs a cost-optimized solution. They provide design flexibility with full power at a wide output current range. Their Controls-Ready features such as Dim-to-Off and an Always-On Auxiliary Power of 12Vdc, 250mA with a transient peak up to 10W to better power occupancy and daylight sensors. The ESM-Mx operates on a vast array of lighting control networks via a 0-10V dimming input. These IP66/IP67 drivers have industry-leading built-in surge protection and longer lifetimes for harsh environmental applications. They provide the added convenience of UL Class P (MT series) and models with a global cable to reduce inventory SKUs (MG series).

EUM-Mx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
75	EUM-075S105Mx①	700 ~ 1050	36 ~ 107	90.5%	101,000 Tc= 70°C	142(125) × 67.5 × 36.5
	EUM-075S150Mx	1050 ~ 1500	25 ~ 72	89.5%		
	EUM-075S210Mx ★	1400 ~ 2100	18 ~ 54	89.0%		
100	EUM-100S105Mx	700 ~ 1050	48 ~ 143	92.5%	112,000 Tc= 70°C	148(131) × 67.5 × 36.5
	EUM-100S150Mx	1050 ~ 1500	34 ~ 95	92.5%		
	EUM-100S280Mx ★	1750 ~ 2800	17 ~ 54	91.0%		
150	EUM-150S105Mx	700 ~ 1050	72 ~ 214	93.5%	104,000 Tc= 70°C	178(161) × 67.5 × 36.5
	EUM-150S150Mx	1050 ~ 1500	50 ~ 143	93.0%		
	EUM-150S210Mx	1400 ~ 2100	36 ~ 107	92.5%		
	EUM-150S420Mx	2800 ~ 4200	18 ~ 54	91.5%		
200	EUM-200S105Mx	700 ~ 1050	95 ~ 286	93.5%	102,000 Tc= 70°C	188(171) × 67.5 × 36.5
	EUM-200S150Mx	1050 ~ 1500	67 ~ 190	93.5%		
	EUM-200S280Mx	1800 ~ 2800	36 ~ 111	93.0%		
	EUM-200S560Mx	3500 ~ 5600	18 ~ 57	92.0%		
240	EUM-240S105Mx	700 ~1050	115 ~ 343	94.0%	101,000 Tc= 70°C	218(201) × 67.5 × 38.5
	EUM-240S150Mx	1050 ~ 1500	80 ~ 229	93.5%		
	EUM-240S350Mx	2150 ~ 3500	35 ~ 111	93.0%		
	EUM-240S670Mx	4200 ~ 6700	18 ~ 57	92.5%		
320	EUM-320S105Mx	700 ~1050	153 ~ 457	94.5%	112,000 Tc= 70°C	243(224) × 80 × 44.5
	EUM-320S150Mx	1050 ~ 1500	107 ~ 305	94.0%		
	EUM-320S250Mx	1750 ~ 2500	64 ~183	94.0%		
	EUM-320S500Mx	2850 ~ 5000	32 ~ 112	93.5%		
	EUM-320S760Mx	5350 ~ 7600	21 ~ 60	92.5%		
400	EUM-400S150Mx	1050 ~ 1500	133 ~ 381	94.5%	113,000 Tc=70°C	262(243) × 90 × 43.5
	EUM-400S910Mx	7150 ~ 9100	24 ~ 56	94.0%		
480	EUM-480S140Mx	1050 ~ 1400	171 ~ 457	94.5%	102,000 Tc=70°C	262(243) × 90 × 43.5
	EUM-480S280Mx	2100 ~ 2800	86 ~ 228	94.0%		
	EUM-480S420Mx	3150 ~ 4200	57 ~ 152	94.0%		
	EUM-480S560Mx	4350 ~ 5600	43 ~ 110	94.0%		
	EUM-480S10AMx	8600 ~ 10000	24 ~ 56	94.0%		
680	EUM-680S170Mx	1250 ~ 1700	200 ~ 544	95.5%	107,000 Tc=70°C	275(250)×135 x 46
	EUM-680S240Mx	1800 ~ 2400	141.5 ~ 378	94.5%		
	EUM-680S350Mx	2600 ~ 3500	97.1 ~ 262	95.0%		
	EUM-680S560Mx	4200 ~ 5600	60.7 ~ 163	94.5%		
	EUM-680S840Mx	6300 ~ 8400	40.4 ~ 108	95.0%		
	EUM-680S15AMx	12600 ~ 15000	22.6 ~ 54	95.5%		
880	EUM-880S280Mx	1950 ~ 2800	157 ~ 452	95.0%	105,000 Tc= 70°C	275(250)×144 x 48.5
	EUM-880S420Mx	3000 ~ 4200	104 ~ 294	95.5%		
	EUM-880S700Mx	4900 ~ 7000	63 ~ 180	96.0%		
	EUM-880S11AMx	8000 ~ 11500	38 ~ 110	95.5%		
	EUM-880S20AMx	16300 ~ 20000	22 ~ 54	95.5%		

★ : Class 2 Model

① : x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models.

ESM-Mx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
150	ESM-150S105Mx①	700 ~ 1050	72 ~ 214	93.5%	100,000 Tc=70°C	178(161)× 76.5× 38.5
	ESM-150S150Mx	1050 ~ 1500	50 ~ 143	93.0%		
	ESM-150S210Mx	1400 ~ 2100	36 ~ 107	92.5%		
	ESM-150S420Mx	2800 ~ 4200	18 ~ 54	92.0%		
240	ESM-240S105Mx	700 ~ 1050	115 ~ 343	94.0%	106,000 Tc= 70°C	218(201) × 76.5 × 38.5
	ESM-240S150Mx	1050 ~ 1500	80 ~ 229	93.5%		
	ESM-240S350Mx	2150 ~ 3500	35 ~ 111	93.0%		
	ESM-240S670Mx	4200 ~ 6700	18 ~ 57	92.5%		
320	ESM-320S105Mx	700 ~ 1050	153 ~ 457	95.0%	105,000 Tc= 70°C	243(224) × 85 × 44.5
	ESM-320S150Mx	1050 ~ 1500	107 ~ 305	94.5%		
	ESM-320S250Mx	1750 ~ 2500	64 ~ 183	94.5%		
	ESM-320S500Mx	2850 ~ 5000	32 ~ 112	94.0%		
	ESM-320S760Mx	5350 ~ 7600	21 ~ 60	94.0%		
480	ESM-480S140Mx	1050 ~ 1400	171 ~ 457	95.5%	100,000 Tc=70°C	262(243) × 90 × 43.5
	ESM-480S280Mx	2100 ~ 2800	86 ~ 228	95.5%		
	ESM-480S420Mx	3150 ~ 4200	57 ~ 152	95.0%		
	ESM-480S560Mx	4350 ~ 5600	43 ~ 110	95.0%		
	ESM-480S10AMx	8600 ~ 10000	24 ~ 56	95.0%		
680	ESM-680S170Mx/MGS	1250 ~ 1700	200 ~ 544	96.0%	102,000 Tc= 70°C	Mx: 275(250) ×135 x 46 MGS: 300(275) x 151 x 46
	ESM-680S240Mx/MGS	1800 ~ 2400	141.5 ~ 378	95.5%		
	ESM-680S350Mx/MGS	2600 ~ 3500	97.1 ~ 262	95.5%		
	ESM-680S560Mx/MGS	4200 ~ 5600	60.7 ~ 163	95.5%		
	ESM-680S840Mx/MGS	6300 ~ 8400	40.4 ~ 108	95.5%		
	ESM-680S15AMx/MGS	12600 ~ 15000	22.6 ~ 54	94.5%		
880	ESM-880S280Mx/MGS	1950 ~ 2800	157 ~ 452	96.0%	100,000 Tc= 70°C	Mx: 275(250)x144 x 48.5 MGS: 300(275) x 160 x 48.5
	ESM-880S420Mx/MGS	3000 ~ 4200	104 ~ 294	95.5%		
	ESM-880S700Mx/MGS	4900 ~ 7000	63 ~ 180	96.0%		
	ESM-880S11AMx/MGS	8000 ~ 11500	38 ~ 110	95.0%		
	ESM-880S20AMx/MGS	16300 ~ 20000	22 ~ 54	95.5%		
1200	ESM-1K2S350Mx/MGS	2600 ~ 3500	171 ~ 462	96.5%	101,000 Tc= 70°C	Mx: 310(285) × 141 × 48.5 MGS: 330(305) x 166.5 x 49.5
	ESM-1K2S525Mx/MGS	3950 ~ 5250	114 ~ 304	96.0%		
	ESM-1K2S740Mx/MGS	5550 ~ 7400	81 ~ 217	96.5%		

① : x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models.

Common Features

- High Efficiency (Up to 96%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Input Voltage Range: 90 ~ 305Vac(EUM-Bx) 249-528Vac(ESM-Bx)
- Integrated Power Metering with High Accuracy up to ±1%
- Output Lumen Compensation
- End-of-Life Indicator
- Thermal Sensing and Protection for LED Module
- Surge Protection: CM 6kV, DM10kV
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 7 Years Warranty

Dimming Functions

- DALI-2 and D4i Certified
- 3-Timer-Modes Dimmable
- Dim-to-Off with Low Standby Power

Safety Certifications

global-mark

About EUM-Bx

The EUM-Bx series is DALI-2 D4i certified, allowing for extensive health diagnostics tracking for the LED driver, seamless plug-and-play controls, and standardization of intra-luminaire designs. They are extremely flexible with wireless programmability via Near Field Communication (NFC) to help OEMs streamline production and simplify installation. The EUM-Bx series is Controls-Ready with Dim-to-Off and Always-On Auxiliary Power of 24Vdc, 125mA with a transient peak up to 10W. They also provide the added convenience of integrated power monitoring allowing users to measure energy consumption. The BG series provides a global cable to reduce inventory SKUs, the BT Series are UL Class P recognized, and the BB series are BIS certified to offer a solution for a wide range of applications and regions.Available also as DALI-2 in Class I and Class II (EUM-Ex and EUM-EE)

About ESM-Bx

The ESM-Bx series is DALI-2 D4i certified which allows the tracking and monitoring of health diagnostics for LED drivers, provides plug-and-play controls, and standardizes intra-luminaire designs. They are extremely flexible with wireless programmability via Near Field Communication (NFC) to help OEMs streamline production and simplify installation. The ESM-Bx series is Controls-Ready with Dim-to-Off and Always-On Auxiliary Power of 24Vdc, 125mA with a transient peak up to 10W. They also provide the added convenience of integrated power monitoring allowing users to measure energy consumption. The BG models utilize globally accepted cables that help reduce SKUs, the BT models provide UL Class P certification.

EUM-Bx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
75	EUM-075S105Bx①	700 ~ 1050	36 ~ 107	90.5%	101,000 Tc= 70°C	142(125) × 67.5 × 36.5
	EUM-075S150Bx	1050 ~ 1500	25 ~ 72	89.5%		
	EUM-075S210Bx ★	1400 ~ 2100	18 ~ 54	89.0%		
100	EUM-100S105Bx	700 ~ 1050	48 ~ 143	92.5%	112,000 Tc= 70°C	148(131) × 67.5 × 36.5
	EUM-100S150Bx	1050 ~ 1500	34 ~ 95	92.5%		
	EUM-100S280Bx ★	1750 ~ 2800	17 ~ 54	91.0%		
150	EUM-150S105Bx	700 ~ 1050	72 ~ 214	93.5%	104,000 Tc= 70°C	178(161) × 67.5 × 36.5
	EUM-150S150Bx	1050 ~ 1500	50 ~ 143	93.0%		
	EUM-150S210Bx	1400 ~ 2100	36 ~ 107	92.5%		
	EUM-150S420Bx	2800 ~ 4200	18 ~ 54	91.5%		
200	EUM-200S105Bx	700 ~ 1050	95 ~ 286	93.5%	102,000 Tc= 70°C	188(171) × 67.5 × 36.5
	EUM-200S150Bx	1050 ~ 1500	67 ~ 190	93.5%		
	EUM-200S280Bx	1800 ~ 2800	36 ~ 111	93.0%		
	EUM-200S560Bx	3500 ~ 5600	18 ~ 57	92.0%		
240	EUM-240S105Bx	700 ~ 1050	115 ~ 343	94.0%	101,000 Tc= 70°C	218(201) × 67.5 × 38.5
	EUM-240S150Bx	1050 ~ 1500	80 ~ 229	93.5%		
	EUM-240S350Bx	2150 ~ 3500	35 ~ 111	93.0%		
	EUM-240S670Bx	4200 ~ 6700	18 ~ 57	92.5%		
320	EUM-320S105Bx	700 ~ 1050	153 ~ 457	94.5%	112,000 Tc=70°C	243(224) × 80 × 44.5
	EUM-320S150Bx	1050 ~ 1500	107 ~ 305	94.0%		
	EUM-320S250Bx	1750 ~ 2500	64 ~ 183	94.0%		
	EUM-320S500Bx	2850 ~ 5000	32 ~ 112	93.5%		
	EUM-320S760Bx	5350 ~ 7600	21 ~ 60	92.5%		
480	EUM-480S140BG	1050 ~ 1400	171 ~ 457	95.0%	110,000 Tc=70°C	262(243) × 90 × 43.5
	EUM-480S280BG	2100 ~ 2800	86 ~ 228	95.0%		
	EUM-480S420BG	3150 ~ 4200	57 ~ 152	94.0%		
	EUM-480S560BG	4350 ~ 5600	43 ~ 110	94.0%		
	EUM-480S10ABG	8600 ~ 10000	24 ~ 56	94.0%		
680	EUM-680S170BG	1250 ~ 1700	200 ~ 544	95.5%	107,000 Tc=70°C	275(250) × 135 × 46
	EUM-680S240BG	1800 ~ 2400	141.5 ~ 378	94.5%		
	EUM-680S350BG	2600 ~ 3500	97.1 ~ 262	95.0%		
	EUM-680S560BG	4200 ~ 5600	60.7 ~ 163	94.5%		
	EUM-680S840BG	6300 ~ 8400	40.4 ~ 108	95.0%		
	EUM-680S15ABG	12600 ~ 15000	22.6 ~ 54	95.5%		

★ : Class 2 Model

① : x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models; x=B are BIS models.

ESM-Bx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
100	ESM-100S105Bx①	700 ~ 1050	48 ~ 143	92.0%	100,000 Tc=70°C	148(131) × 76.5 × 38.5
	ESM-100S150Bx	1050 ~ 1500	34 ~ 95	91.5%		
	ESM-100S280Bx	1750 ~ 2800	17 ~ 54	90.5%		
150	ESM-150S105Bx	700 ~ 1050	72 ~ 214	93.0%	100,000 Tc=70°C	178(161) × 76.5 × 38.5
	ESM-150S150Bx	1050 ~ 1500	50 ~ 143	93.0%		
	ESM-150S210Bx	1400 ~ 2100	36 ~ 107	92.5%		
	ESM-150S420Bx	2800 ~ 4200	18 ~ 54	92.0%		
240	ESM-240S105Bx	700 ~ 1050	115 ~ 343	94.0%	106,000 Tc=70°C	218(201) × 76.5 × 38.5
	ESM-240S150Bx	1050 ~ 1500	80 ~ 229	93.5%		
	ESM-240S350Bx	2150 ~ 3500	35 ~ 111	93.0%		
	ESM-240S670Bx	4200 ~ 6700	18 ~ 57	92.5%		
320	ESM-320S105Bx	700 ~ 1050	153 ~ 457	95.0%	105,000 Tc=70°C	243(224) × 85 × 44.5
	ESM-320S150Bx	1050 ~ 1500	107 ~ 305	94.5%		
	ESM-320S250Bx	1750 ~ 2500	64 ~ 183	94.5%		
	ESM-320S500Bx	2850 ~ 5000	32 ~ 112	94.0%		
	ESM-320S760Bx	5350 ~ 7600	21 ~ 60	94.0%		
480	ESM-480S140BG	1050 ~ 1400	171 ~ 457	95.0%	100,000 Tc=70°C	262(243) × 90 × 43.5
	ESM-480S280BG	2100 ~ 2800	86 ~ 228	94.0%		
	ESM-480S420BG	3150 ~ 4200	57 ~ 152	95.0%		
	ESM-480S560BG	4350 ~ 5600	43 ~ 110	94.5%		
	ESM-480S10ABG	8600 ~ 10000	24 ~ 56	94.5%		
680	ESM-680S170BG	1250 ~ 1700	200 ~ 544	96.0%	102,000 Tc=70°C	275(250) × 135× 46
	ESM-680S240BG	1800 ~ 2400	141.5 ~ 378	95.5%		
	ESM-680S350BG	2600 ~ 3500	97.1 ~ 262	95.5%		
	ESM-680S560BG	4200 ~ 5600	60.7 ~ 163	95.5%		
	ESM-680S840BG	6300 ~ 8400	40.4 ~ 108	95.5%		
	ESM-680S15ABG	12600 ~ 15000	22.6 ~ 54	94.5%		

① ： x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models; x=B are BIS models.

Common Features

- Input Voltage Range: 180 ~ 528Vac (NFS-BC), 249-528Vac (NSS-BC)
- Non-Isolated Class I Driver
- No Afterglow
- Dim-to-Off with Standby Power ≤ 0.5W @ 230Vac(NFS)
- Dimming Range: 0.1%-100%
- Adjustable Output Current (AOC) with NFC
- Anode Output Connection (NFS-1K2D210BC)
  2*600W Independent Programmable Channels & Support Common
- Anode Output Connection (NFS-1K8T210BC)
  3*600W Independent Programmable Channels & Support Common
- Max Remote Distance Up to 300 Meter
- Ultra High Efficiency (Up to 97.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Single-Channel (1*DT6 or 1*DMX) Operating Mode (NFS-600S210BC)
- Multi-Channel (2*DT6 or 2*DMX) Operating Mode (NFS-1K2D210BC)
- Multi-Channel (up to 3*DT6 or 3*DMX) Operating Mode (NFS-1K8T210BC)
- DALI-2/DMX-RDM Controls Up to 44 fps
- Integrated Power Metering with High Accuracy up to ±1%
- Thermal Sensing and Protection for LED Module
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 10kV, CM 10kV
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP, OPP
- IP66
- IK08 Enclosure
- 5-Year Warranty

About NFS-BC & NSS-BC

The NFS family features a non-isolated design, enhancing its ultrahigh efficiency performance. It incorporates a remarkably wide input range spanning from 180-528Vac and supports various dimming methods like DALI-2/D4i, DMX/RDM, etc. Additionally, the NFS family offers a junction box to streamline the luminaire design and provides 1-CH, 2-CH, and 3-CH output designs.Available also for Input Voltage 249-528Vac(NSS-BC)

Dimming Functions

DALI-2 and D4i Certified & DMX-RDM & 3-Timer-Modes Dimmable

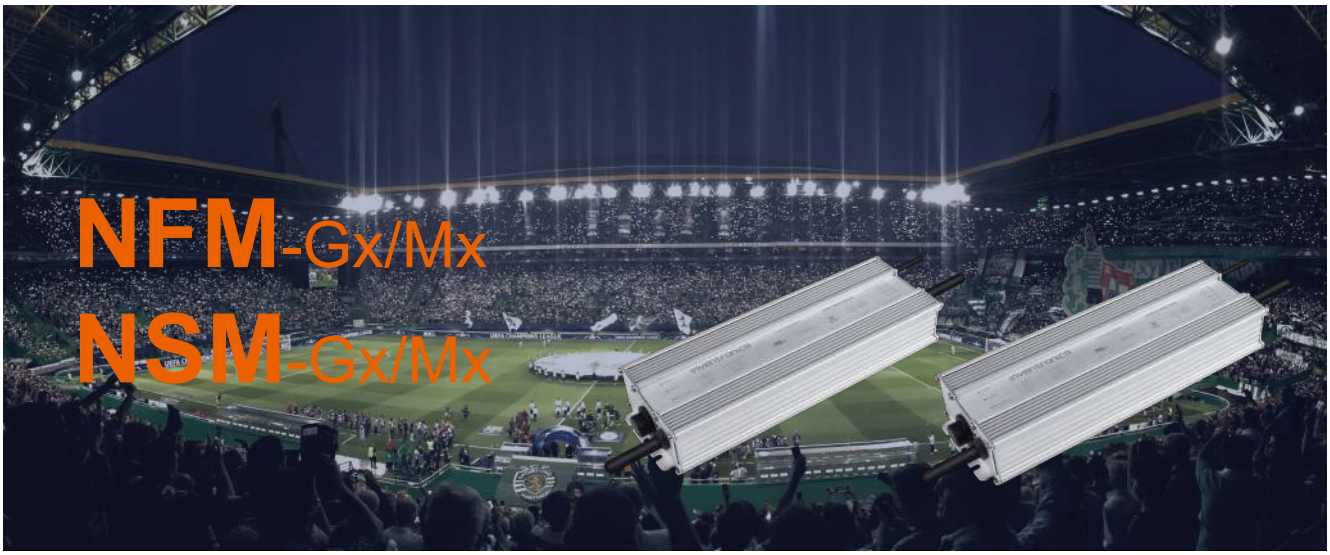
Safety Certifications

NFS-BC

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
600	NFS-600S210BC	1200 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	310 × 145 × 70
900	NFS-900S360BC	1800 ~ 3600	150 ~ 500	97.5%	100,000 Tc=70°C	310 × 145 × 70
1200	NFS-1K2D210BC	1200 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	500 × 152 × 80
1800	NFS-1K8T210BC	1200 ~ 2100	176 ~ 500	97.5%	115,000 Tc=70°C	500 × 152 × 80

NSS-BC

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
700	NSS-700S210BC	1400 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	310 × 145 × 70
1200	NSS-1K2S360BC	2400 ~ 3600	176 ~ 500	97.5%	102,000 Tc=70°C	310 × 145 × 70
1500	NSS-1K5D210BC	1500 ~ 2100	176 ~ 500	97.0%	100,000 Tc=70°C	500 × 152 × 80
2100	NSS-2K1T210BC	1400 ~ 2100	176 ~ 500	97.5%	110,000 Tc=70°C	500 × 152 × 80



Common Features

- Input Voltage Range: 180 ~ 528Vac (NFM-Gx/Mx), 249 ~ 528Vac (NSM-Gx/Mx)
- Non-Isolated Class I Driver
- No Afterglow
- Ultra High Efficiency (Up to 97.5%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- Adjustable Dimming Curve
- Hold Time Adjustable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA (Except DMX-RDM Mode)
- Minimum Dimming Level Supports 0.1% for DALI-2 and DMX-RDM (Gx Models)
- Minimum Dimming Level Supports 1% for 0-10V, PWM, Resistor, and Digital Dimming
- Controls Up to 44 fps
- Integrated Power Metering with High Accuracy Up to ±1%
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 10kV, CM 10kV
- All-Around Protection: OPP, IOVP, IUVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

About NFM-Gx/Mx & NSM-Gx/Mx

The NFM family features a non-isolated design that delivers highly efficient performance. It incorporates an exceptionally wide input range from 180-528Vac and supports multiple dimming methods including DALI-2/D4i, DMX/RDM, 0-10V, and more. Available also for Input Voltage 249-528Vac (NSM-Gx/Mx).

Dimming Functions

- DALI-2 and D4i Certified (Gx Model)
- DALI-2 & DMX-RDM Dimmable & 0-10V & PWM & 3-Timer-Modes Dimmable & Resistor (Gx Model)
- Adjustable 0-10V & PWM & 3-Timer-Modes Dimmable & Resistor (Mx Model)
- INV Digital Dimming, UART Based Communication Protocol

Safety Certifications

NFM-Gx/Mx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
500	NFM-500S200Gx/Mx①	1000 ~ 2000	150 ~ 500	96.0%	120,000 Tc=70°C	262(245) × 76.5 × 38.5
680	NFM-680S270Gx/Mx	1360 ~ 2700	150 ~ 500	97.0%	120,000 Tc=70°C	275(256) × 90 × 43.5
880	NFM-880S350Gx/Mx	1760 ~ 3500	150 ~ 500	97.0%	120,000 Tc=70°C	275(253) × 108 × 44.5
1200	NFM-1K2S480Gx/Mx	2400 ~ 4800	150 ~ 500	97.5%	108,000 Tc=70°C	310(288) × 108 × 48.5

NSM-Gx/Mx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
680	NSM-680S200Gx/Mx	1360 ~ 2000	150 ~ 500	97.0%	120,000 Tc=70°C	262(245) × 76.5 × 38.5
880	NSM-880S270Gx/Mx	1760 ~ 2700	150 ~ 500	97.5%	120,000 Tc=70°C	275(256) × 90 × 43.5
1200	NSM-1K2S350Gx/Mx	2400 ~ 3500	150 ~ 500	Gx: 97.0% Mx: 97.5%	120,000 Tc=70°C	275(253) × 108 × 44.5
1500	NSM-1K5S480Gx/Mx	3000 ~ 4800	150 ~ 500	97.5%	120,000 Tc=70°C	310(288) × 108 × 48.5

① : x = G are UL Recognized, ENEC and CCC, etc. models; x = T are UL Class P models

Inventronics Advantages

- Ultra High Efficiency (Up to 95%)
- Input Voltage Range: 180 ~ 528Vac
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with NFC
- DALI-2 and D4i Certified
- DALI-2&DMX-RDM Dimmable
- Multi-channel (up to 4*DT6 or 4*DMX) Operating Mode
- Controls Up to 44 fps
- Dim-to-Off
- Dimming Range: 0.1%-100%
- Always-on Auxiliary Power: 24Vdc, 125mA (Except DMX-RDM mode)
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5 Years Warranty

About EFM-800Q/T

The EFM series is 800W, 3 or 4 channels, constant-current, programmable LED driver that operates from 180-528Vac input with excellent power factor.The dimming control supports DALI-2 & D4i & DMX-RDM with multiple channel output to enable dynamic color control in sports or outdoor lighting. It provides an auxiliary 24V output and dim-to-off functionality for powering low voltage, wireless controls.

Dimming Functions

- DALI-2 & D4i & DMX-RDM
- DIM-to-off

Safety Certifications

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
200	EFM-800Q105BT	700 ~ 1050	150 ~ 286	95.0%	50,000 Tc=80°C	310(285) × 141 × 48.5
200		700 ~ 1050	150 ~ 286			
200		700 ~ 1050	150 ~ 286			
200		700 ~ 1050	150 ~ 286			
267	EFM-800T140BT	950 ~ 1400	150 ~ 286	95.0%	50,000 Tc=80°C	310(285) × 141 × 48.5
267		950 ~ 1400	150 ~ 286			
267		950 ~ 1400	150 ~ 286			

Inventronics Advantages

- Three Independent Output Channels and Independent Dimming
- Independent Dimming and Dim-to-Off
- Power Transfer Settable When 100W Channel is Off Status (1K0D)
- 135W Channel Power Transfer (Optional) (1K2T Model)
- Ultra High Efficiency (Up to 95.0%)
- Input Voltage Range: 249 ~ 528Vac
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Maximum Dimming Level with 9V or 10V Selectable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP
- Hot-Plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

About ESM-1K0D/1K2T

Inventronics 1000W/1200W products with multiple channels support 2/3-channel luminaires, allowing separate adjustment of current for each channel. These products also offer auxiliary voltage and Dim-to-Off functionality for powering low-voltage wireless controls. Additionally, they feature a power transfer function when a 100W channel is dimmed to off.

Dimming Functions

- Isolated 0-10V/PWM/3-Timer-Modes Dimmable
- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off with Standby Power

Safety Certifications

Model No.	Channel	Output Power (W)	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
ESM-1K0D610Mx ①	1	900	4600 ~ 6100	110 ~ 195	94.5%	119,000 Tc=70°C	349(324) × 144 × 48.5
	2	100	1850 ~ 2100	34 ~ 54			

Model No.	Channel	Output Power (W)	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
ESM-1K2T570Mx	1	930	4600 ~ 5700	81 ~ 202	95.0%	120,000 Tc=70°C	379(354) × 144 × 48.5
ESM-1K2T570Mx	2	135	1850 ~ 2100	45 ~ 73	95.0%		
ESM-1K2T570Mx	3	135	1850 ~ 2100	45 ~ 73	95.0%		

① : x = G are UL recognized, ENEC, etc. models; x = T are UL recognized, etc. models.

Inventronics Advantages

- Non-Isolated Design with Low Residual Output Voltage
- Independent Four Output Channels
- Dynamic Power Transfer and Traditional Power Transfer Selectable
- Full Power at Wide Output Current Range (Constant Power)
- Input Voltage Range: 249 ~ 528Vac
- Adjustable Output Current (AOC)with Programmability
- Integrated Power Metering with High Accuracy up to ±1%
- Hold Time Adjustable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 500mA
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IUVP, IOVP, OVP, SCP, OTP, OPP
- 5 Years Warranty

About NSM-1K2Q

The NSM-1K2Q series is a 1200W, 4-channel, constant-current, programmable LED driver that operates from 249-528Vac input with excellent power factor.The dimming control supports two-way communication via Digital Dimming, a UART based communication protocol with power transfer features to enable high efficiency mutiple channel solution for Horticulture lighting.

Dimming Functions

- INV Digital Dimming, UART Based Communication Protocol
- Dim-to-Off

Safety Certifications

CE

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
660	NSM-1K2Q200Mx	1300 ~ 2000	1200 ~ 500	95.5%	54,000 Tc=80°C	499(474) × 90 × 48.5
180		1400 ~ 2200	40 ~ 129			
180		1400 ~ 2200	40 ~ 129			
180		1400 ~ 2200	40 ~ 129			

Product Features

- LED driver whose output power can be shared arbitrarily among the 2 or 4 channels
- Dimming range: 0/0, 1…100 %
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- High level surge protection: up to 6 kV (L-N), 8 kV (L/N-PE)
- Inrush current limiter circuit (210W)

Advantages

- Long lasting and high reliability
- From 1 to 4 channels to arbitrarily distribute the power
- Suitable for installation under sunlight
- IP66/IP67 Salt mist resistant and DC functionality
- AstroDim functionality for automatic dimming and turn on/off

Safety Certifications

Product Name	EAN
OTi DALI 100/220-240/24 4CH DT6/8 P	4062172364324
OTi DALI 210/220-240/24 4CH DT6/8 P	4062172364263

More Technical Data

Inventronics Advantages

- High efficiency up to 94.5%
- Input Voltage Range: 90 ~ 305Vac
- AstroDIM for autonomous dimming with five independent levels (Astro time mode)
- Dim-to-Off with Standby Power ≤ 0.5 W
- Always-on Auxiliary Power: 12Vdc, 100mA(P/N) on specific versions
- Input Surge Protection: DM 6kV, CM 10kV
- Suitable for Luminaires with Protection Class I and II
- Override dimming
- IP66/IP67
- 5-Year Warranty

About ICUTRONIC 0-10V

The IT 0-10 P67 series is constant-current, programmable and IP66/IP67 rated LED driver that operates from 90-305Vac input with excellent power factor. Providing a stable, efficient, and all-round solution for global street and area lighting.

Dimming Functions

- Isolated 1(0)-10V/ PWM / Resistor/ Timer Dimmable
- Adjustable Dimming Curve
- Override dimming

Safety Certifications

Output Power (W)	Model No.	Full-Power Current Range (mA)	Min Dimming Output Current (mA)	Output Voltage (Vdc)	Eff.@ 220Vac	Dimensions (L×W×H)(mm)
30	IT 0-10 30/100-277/1A05 P67 x①	550 ~ 1050	55	17 ~ 54	89.0%	112(95) x 64 x 36.5
50	IT 0-10 50/100-277/0A9 P67 x	550 ~ 900	55	28 ~ 91	90.5%	112(95) x 64 x 36.5
50	IT 0-10 50/100-277/1A5 P67 x	920 ~ 1500	92	17 ~ 54	90.5%	112(95) x 64 x 36.5
75	IT 0-10 75/100-277/1A05 P67 x	700 ~ 1050	70	36 ~ 107	91.5%	142(125) x 60 x 36.5
75	IT 0-10 75/100-277/2A1 P67 x	1400 ~ 2100	140	17 ~ 54	91.0%	142(125) x 60 x 36.5
100	IT 0-10 100/100-277/1A05 P67 x	700 ~ 1050	70	48 ~ 143	93.5%	148(131) x 60 x 36.5
100	IT 0-10 100/100-277/2A8 P67 x	1750 ~ 2800	175	17 ~ 54	92.0%	148(131) x 60 x 36.5
150	IT 0-10 150/100-277/1A05 P67 x	700 ~ 1050	70	72 ~ 214	94.0%	178(161) x 60 x 33.4
150	IT 0-10 150/100-277/4A2 P67 x	2680 ~ 4200	268	18 ~ 56	92.5%	178(161) x 60 x 33.4
200	IT 0-10 200/100-277/1A05 P67 x	700 ~ 1050	70	95 ~ 286	94.0%	188(171) x 60 x 36.5
200	IT 0-10 200/100-277/5A6 P67 x	3500 ~ 5600	350	18 ~ 57	94.0%	188(171) x 60 x 36.5
240	IT 0-10 240/100-277/1A05 P67 x	700 ~ 1050	70	115 ~ 343	94.0%	218(201) x 60 x 38.5
240	IT 0-10 240/100-277/6A7 P67 x	4200 ~ 6700	420	18 ~ 57	94.0%	218(201) x 60 x 38.5
320	IT 0-10 320/100-277/1A5 P67 x	1050 ~ 1500	105	107~ 305	94.5%	243(224) x 80 x 44.5
320	IT 0-10 320/100-277/7A6 P67 x	5350 ~ 7600	535	21 ~ 60	93.0%	243(224) x 80 x 44.5

① : x=U are Class P models,x=G are UL Recognized, ENEC and CCC,etc.models;
x=B are BIS models;x=E are Class II models with ENEC,etc.

Inventronics Advantages

- High Efficiency (Up to 94.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 90 ~ 305Vac
- Compact Metal Case with Excellent Thermal Performance
- Output Lumen Compensation
- Input Surge Protection Up to: DM 6kV, CM 10kV
- All-Around Protection: OVP, SCP, OTP
- IP66 / IP67 and UL Dry / Damp / Wet Location
- SELV Output Models Available
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- 5-Year Warranty

About EUM-Dx

Inventronics EUM-Dx series provides a next-generation platform offering an enhanced transformer design, optimized components that provide lower costs without sacrificing quality or performance and a new design methodology. They also utilize a new global cable suitable for worldwide use to help OEMs reduce inventory SKUs.Available also for Class II (EUM-DE)"

Available also with additional protection for 440Vac (EAM-DB/SB)

Available also for Input Voltage 249-528Vac and Class I (ESM-Dx)

Dimming Functions

Isolated 1-5V / 1-10V / 10V PWM / 3-Timer-Modes

Safety Certifications

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
30	EUM-030S050Dx①	300 ~ 500	30 ~ 100	88.0%	120,000 Tc= 70°C	112(95) × 64 × 36.5
	EUM-030S105Dx ★	550 ~ 1050	17 ~ 54	87.0%		
50	EUM-050S053Dx	300 ~ 530	47 ~ 167	90.5%	103,000 Tc= 70°C	112(95) × 64 × 36.5
	EUM-050S090Dx	550 ~ 900	28 ~ 91	89.0%		
	EUM-050S150Dx ★	920 ~ 1500	17 ~ 54	88.0%		
75	EUM-075S053Dx	300 ~ 530	70 ~ 250	92.0%	100,000 Tc= 70°C	142(125) × 60 × 36.5
	EUM-075S105Dx	700 ~ 1050	36 ~ 107	90.5%		
	EUM-075S150Dx	1050 ~ 1500	25 ~ 72	90.5%		
	EUM-075S210Dx ★	1400 ~ 2100	18 ~ 54	89.5%		
100	EUM-100S053Dx	350 ~ 530	94 ~ 286	94.0%	114,000 Tc= 70°C	148(131) × 60 × 36.5
	EUM-100S105Dx	700 ~ 1050	48 ~ 143	93.0%		
	EUM-100S150Dx	1050 ~ 1500	34 ~ 95	93.0%		
	EUM-100S280Dx ★	1750 ~ 2800	17 ~ 54	92.0%		
150	EUM-150S070Dx	530 ~ 700	107 ~ 284	93.5%	106,000 Tc= 70°C	178(161) × 60 × 36.5
	EUM-150S105Dx	700 ~ 1050	72 ~ 214	93.0%		
	EUM-150S150Dx	1050 ~ 1500	50 ~ 143	93.5%		
	EUM-150S210Dx	1400 ~ 2100	36 ~ 107	92.0%		
	EUM-150S420Dx	2800 ~ 4200	18 ~ 54	91.5%		
200	EUM-200S070Dx	530 ~ 700	142 ~ 378	94.0%	100,000 Tc= 70°C	188(171) × 60 × 36.5
	EUM-200S105Dx	700 ~ 1050	95 ~ 286	93.5%		
	EUM-200S150Dx	1050 ~ 1500	67 ~ 190	93.0%		
	EUM-200S280Dx	1800 ~ 2800	36 ~ 111	92.5%		
	EUM-200S560Dx	3500 ~ 5600	18 ~ 57	92.0%		
240	EUM-240S070Dx	530 ~ 700	171 ~ 453	94.0%	100,000 Tc= 70°C	218(201) × 60 × 38.5
	EUM-240S105Dx	700 ~ 1050	115 ~ 343	94.0%		
	EUM-240S150Dx	1050 ~ 1500	80 ~ 229	93.5%		
	EUM-240S350Dx	2150 ~ 3500	35 ~ 111	93.0%		
	EUM-240S670Dx	4200 ~ 6700	18 ~ 57	92.5%		
320	EUM-320S105Dx	700 ~ 1050	153 ~ 457	94.0%	111,000 Tc= 70°C	243(224) × 80 × 44.5
	EUM-320S150Dx	1050 ~ 1500	107 ~ 305	94.0%		
	EUM-320S250Dx	1750 ~ 2500	64 ~ 183	94.0%		
	EUM-320S500Dx	2850 ~ 5000	32 ~ 112	93.0%		
	EUM-320S760Dx	5350 ~ 7600	21 ~ 60	93.0%		

★ : Class 2 Model

① : x=G are UL Recognized, ENEC and CCC, etc. models; x=T are UL Class P models; x=B are BIS models. X=E are Class II models with ENEC; x=F are UL class P models with flying leads, etc.

Inventronics Advantages

- High efficiency up to 90%
- Input Voltage Range: 90 ~ 305Vac
- SELV output (≤60V)
- Current adjustment by Potentiometer
- 1-10V dimming (10-100%)
- Long life time
- Input Surge Protection: DM 6kV, CM 6kV
- Suitable for Luminaires with Protection Class I and II
- IP42

About EM DIM P

The EM DIM P series is constant-current LED driver that operates from 90-305Vac with 1-10V dimming. Suitable for Class I/II luminaries and providing a stable, efficient, and all-round solution for global street and area lighting.

Dimming Functions

Isolated 1-10V

Safety Certifications

Output Power (W)	Model No.	Adjustable Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
30W	EM 30/100-277/0A7 DIM P	350 ~ 700mA	40 ~ 54	90.0%	1100,000 Tc=70°C	105x60.5x30.5mm
60W	EM 60/100-277/1A4 DIM P	700 ~ 1400mA	40 ~ 54	90.0%	100,000 Tc=70°C	105x60.5x30.5mm

Common Features

- Ultra High Efficiency (Up to 97%)
- Non-Isolated Design with Low Residual Output Voltage
- No Afterglow
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 180 ~ 457 Vac
- Always-on Auxiliary Power: 12Vdc, 250mA
- Dim-to-Off with Standby Power ≤0.5W
- Low Inrush Current
- Fade-Time Adjustable
- End-of-Life Indicator
- 5-Year Warranty

400W / 600W Features

- 43mm Width (Mx Model) / 40.5mm Width (MP Model)
- Maximum Dimming Level with 9V or 10V Selectable
- Isolated 0-10V / 10V PWM/Resistor / 3-Timer-Modes Dimmable
- IP65 and UL Dry/Damp Location (MF Model)
- IP66 / IP67 and UL Dry / Damp / Wet Location (MG/MT Models)
- IP20 (MP Model)
- Suitable for Luminaires with Protection Class I
- Input Surge Protection: DM 4 kV, CM 6 kV

1000W Features

- 90mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Minimum Dimming Level with 5% or 10% Selectable
- INV Digital Dimming, UART Based Communication Protocol
- Isolated 0-10V / PWM / Resistor / 3-Timer-Modes Dimmable
- IP66 / IP67 and UL Dry/Damp/Wet Location
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP
- Input Surge Protection: DM 6kV, CM 10kV

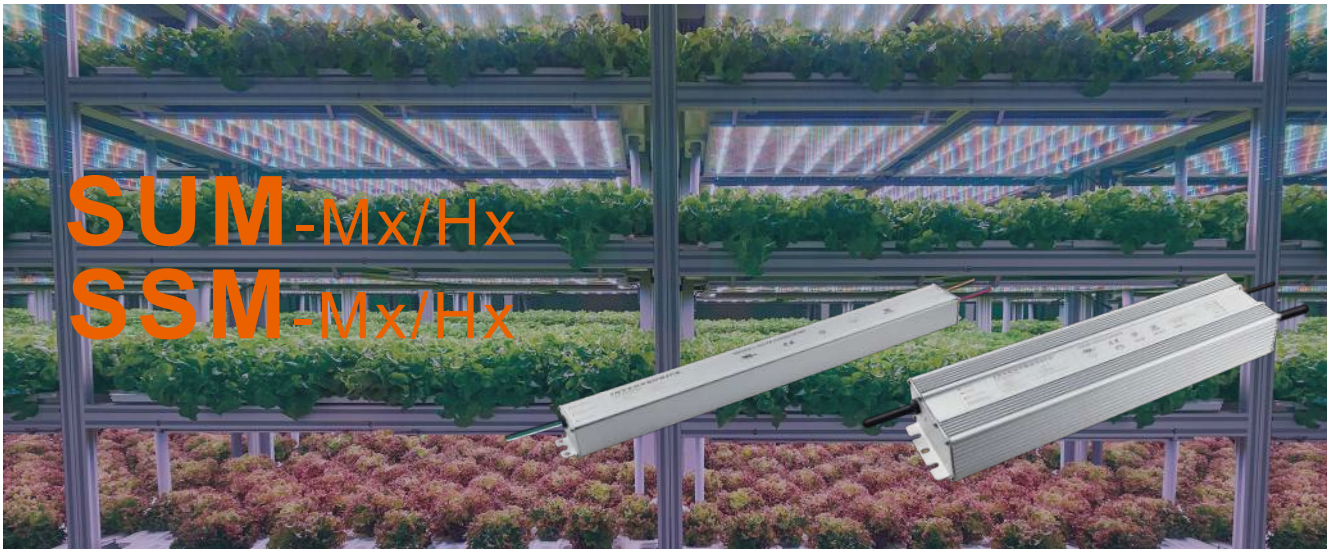
About NEL

The NEL family is a non-isolated, slim product designed for the horticulture industry and other applications requiring a linear form factor with a wide input voltage range of 180-457Vac. They provide high efficiency to reduce electricity consumption.

Safety Certifications

Output Power (W)	Model No.	Output Current (mA)	Output Voltage Range (Vdc)	Eff.@ 400Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
400	NEL-400S140MP	730 ~ 1400	150 ~ 550	97.0%	102,000 Tc= 70°C	452 × 40.5 × 40
	NEL-400S140Mx①	730 ~ 1400	150 ~ 550	97.0%	120,000 Tc=70°C	MF: 452(431) × 43 × 38 MG/MT: 462(441) × 43 × 38
600	NEL-600S220Mx	1100 ~ 2200	150 ~ 550	96.5%	103,000 Tc= 70°C	MF: 452(431) × 43 × 38 MG/MT: 462(441) × 43 × 38
1000	NEL-1K0S400Mx	2000 ~ 4000	150 ~ 500	97.5%	114,000 Tc= 70°C	310(291) × 90 × 43.5

① : P = Push Terminals ; x = F are UL Class P, ENEC, CE, etc. models with flying leads; x = G are UL Recognized, ENEC, CE, etc. models; x = T are UL Class P models



Common Features

- High Efficiency (Up to 96.0%)
- Full Power at Wide Output Current Range (Constant Power)
- Adjustable Output Current (AOC) with Programmability
- Input Voltage Range: 90 ~ 305Vac(SUM-Mx/Hx), 249 ~ 528Vac(SSM-Mx/Hx)
- Fade Time Adjustable
- Output Lumen Compensation
- End-of-Life Indicator
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location
- Input Surge Protection Up to: DM 6kV, CM 10kV
- 5-Year Warranty

Safety Certifications

110W, 220W, 330W, 440W Features

- 43.5mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Dim-to-Off with Standby Power ≤ 0.5 W (MF Models)
- Dim-to-Low-Voltage(DTLV) with Standby Power ≤0.5W (HF Models)
- Isolated 0-10V / 10V PWM / Resistor / 3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA (MF Models)
- Low Inrush Current（Above 220W）
- IP65 and UL Dry / Damp Location
- All-Around Protection: OVP, SCP, OTP

760W, 1000W, 1500W Features

- 90mm Width
- Maximum Dimming Level with 9V or 10V Selectable
- Minimum Dimming Level with 5% or 10% Selectable
- INV Digital Dimming, UART Based Communication Protocol
- Isolated 0-10V / PWM / Resistor / 3-Timer-Modes
- Always-on Auxiliary Power: 12Vdc, 250mA
- Dim-to-Off with Standby Power ≤ 0.5 W
- Hot-Plugging Protection
- Parallel LED Protection
- IP66 / IP67 and UL Dry / Damp / Wet Location
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP

About SUM-Mx/Hx

The SUM family encompasses slim products tailored for the horticulture industry and other applications that require a linear form factor and can operate within an input voltage range of 90-305Vac. They provide high efficiency to reduce electricity consumption.

About SSM-Mx/Hx

The SSM family are slim products for the horticulture industry and other applications requiring a linear form factor with an input voltage range of 249-528Vac. They provide high efficiency to reduce electricity consumption.

SUM-Mx/Hx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
110	SUM-110S105Mx①/HF	700 ~ 1050	80 ~ 157	Mx:91.5% HF:91.0%	120,000 Tc=70°C	MF/HF: 210(186) × 43.5 × 31.5 MG/MT: 220(196) × 43.5 × 31.5
	SUM-110S260Mx/HF	1950 ~ 2600	30 ~ 56	Mx:91.0% HF:90.5%	120,000 Tc=70°C	
220	SUM-220S530Mx/HF	4100 ~ 5300	30 ~ 54	94.0%	120,000 TC=70°C	MF/HF: 296(272) × 43.5 × 31.5 MG/MT: 306(282) × 43.5 × 31.5
330	SUM-330S690Mx/HF	6100 ~ 6900	34 ~ 54	Mx:95.5% HF:95.0%	103,000 TC=70°C	MF/HF: 396(372) × 43.5 × 31.5 MG/MT: 406(382) × 43.5 × 31.5
440	SUM-440S920Mx/HF	8200 ~ 9200	34 ~ 54	94.0%	117,000 TC=70°C	MF/HF: 426(402) × 43.5 × 31.5 MG/MT: 436(412) × 43.5 × 31.5
760	SUM-760S15AMx	14000 ~ 15800	34 ~ 54	95.5%	102,000 Tc=70°C	379(354) × 90 × 48.5
1000	SUM-1K0S400Mx	3200 ~ 4000	175 ~ 312	95.0%	110,000 Tc=70°C	414(389) × 90 × 48.5
	SUM-1K0S840Mx	6720 ~ 8400	84 ~ 149	95.0%	110,000 Tc=70°C	414(389) × 90 × 48.5
	SUM-1K0S21AMx	18500 ~ 21000	34 ~ 54	95.5%	110,000 Tc=70°C	414(389) × 90 × 48.5
1500	SUM-1K5S600Mx	4000 ~ 6000	175 ~ 375	96.0%	104,000 Tc=70°C	489(464) × 90 × 48.5
	SUM-1K5S12AMx	10000 ~ 12500	84 ~ 150	96.0%	104,000 Tc=70°C	489(464) × 90 × 48.5
	SUM-1K5S31AMx	28000 ~ 31500	34 ~ 54	96.0%	104,000 Tc=70°C	489(464) × 90 × 48.5

SSM-Mx/Hx

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
220	SSM-220S530Mx①/HF	4100 ~ 5300	34 ~ 54	94.5%	116,000 TC=70°C	MF/HF: 336(312) × 43.5 × 31.5 MG/MT: 346(322) × 43.5 × 31.5
330	SSM-330S690Mx/HF	6100 ~ 6900	34 ~ 54	Mx: 95.0% HF: 94.5%	108,000 TC=70°C	MF/HF: 416(392) × 43.5 × 31.5 MG/MT: 426(402) × 43.5 × 31.5
440	SSM-440S920Mx/HF	8200 ~ 9200	34 ~ 54	95.0%	108,000 TC=70°C	MF/HF: 426(402) × 43.5 × 31.5 MG/MT: 436(412) × 43.5 × 31.5
760	SSM-760S15AMx	14000 ~ 15800	34 ~ 54	95.0%	111,000 Tc=70°C	379(354) × 90 × 48.5
1000	SSM-1K0S400Mx	3200 ~ 4000	175 ~ 312	96.0%	100,000 Tc=70°C	414(389) × 90 × 48.5
	SSM-1K0S840Mx	6720 ~ 8400	84 ~ 149	95.5%	100,000 Tc=70°C	414(389) × 90 × 48.5
	SSM-1K0S21AMx	18500 ~ 21000	34 ~ 54	96.0%	100,000 Tc=70°C	414(389) × 90 × 48.5
1500	SSM-1K5S600Mx	4000 ~ 6000	175 ~ 375	96.0%	100,000 Tc=70°C	489(464) × 90 × 48.5
	SSM-1K5S12AMx	10000 ~ 12500	84 ~ 180	95.5%	100,000 Tc=70°C	489(464) × 90 × 48.5
	SSM-1K5S31AMx	28000 ~ 31500	34 ~ 54	96.0%	100,000 Tc=70°C	489(464) × 90 × 48.5

① : x = G are UL Recognized, CE, etc. models; x = T are UL Recognized, CE(built-in-use), etc. models; x = F are UL Recoginzed, CE(built-in-use) etc. models with flying leads.

Common Features

- Ultra High Efficiency (Up to 96%)
- Full Power at Wide Output Current Range (Constant Power)
- Input Voltage Range: 90 ~ 305Vac(SUM-MGS/MGR), 249 ~ 528Vac(SSM-MGS/MGR)
- Adjustable Output Current (AOC) with Programmability
- INV Digital Dimming, UART Based Communication Protocol
- Minimum Dimming Level with 5% or 10% Selectable
- Maximum Dimming Level with 9V or 10V Selectable
- Fade Time Adjustable
- Always-on Auxiliary Power: 12Vdc, 250mA
- Hot-plugging Protection
- Parallel LED Protection
- Low Inrush Current
- Output Lumen Compensation
- End-of-Life Indicator
- Input Surge Protection: DM 6kV, CM 10kV
- All-Around Protection: IOVP, IUVP, OVP, SCP, OTP
- 5-Year Warranty

SUM-MGS/SSM-MGS Version Features

- Panel Mount Connectors Facilitate Installation
- IP66/IP67 and UL Dry/Damp/Wet Location
- TYPE HL, for Use in a Class I, Division 2 Hazardous (Classified) Location

SUM-MGR/SSM-MGR Version Features

- Mount Connectors Facilitates Installation
- Rotary Switch+RJ12 Connector
- IP66 and UL Dry/Damp/Wet Location

About SUM-MGS/MGR & SSM-MGS/MGR

The SUM-MGS/MGR series is a constant-current, programmable LED driver that operates from 90-305Vac input designed for many lighting applications, including high mast, sports, UV-LED, aquaculture, horticulture, etc. It provides panel mount connectors to facilitate installation. It offers a rotary switch, RJ12 connector, and dim-to-off functionality. The dimming control supports 0-10V dimming and two-way communication via Digital Dimming, a UART-based communication protocol. The high efficiency of these drivers and compact metal case enables them to run cooler, significantly improving reliability and extending product life. To ensure a trouble-free operation, protection is provided against input surge, input under-voltage, input over-voltage, output over-voltage, short circuit, and over-temperature. Available also for Input Voltage 249-528Vac (SSM-MGR/MGS).

Dimming Functions

- Isolated 0-10V/PWM/Resistor/3-Timer-Modes Dimmable
- Dim-to-Off with Standby Power ≤ 0.5W

Safety Certifications

SUM-MGS/MGR

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
760	SUM-760S15AMGS	14000 ~ 15800	34 ~ 54	95.5%	102,000 Tc=70°C	415(390) × 108 × 48.5
	SUM-760S15AMGR	14000 ~ 15800	34 ~ 54	95.5%	102,000 Tc=70°C	415(390) × 108 × 48.5
1000	SUM-1K0S400MGS	3200 ~ 4000	175 ~ 312	95.0%	110,000 Tc=70°C	450(425) × 108 × 48.5
	SUM-1K0S840MGS	6720 ~ 8400	84 ~ 149	95.0%		
	SUM-1K0S20AMGS	18500 ~ 20000	34 ~ 54	95.5%		
	SUM-1K0S400MGR	3200 ~ 4000	175 ~ 312	95.0%	110,000 Tc=70°C	450(425) × 108 × 48.5
	SUM-1K0S840MGR	6720 ~ 8400	84 ~ 149	95.0%		
	SUM-1K0S20AMGR	18500 ~ 20000	34 ~ 54	95.5%		

SSM-MGS/MGR

Output Power (W)	Model No.	Full-power Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 480Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
760	SSM-760S15AMGS	14000 ~ 15800	34 ~ 54	95.0%	111,000 Tc=70°C	415(390) × 108 × 48.5
	SSM-760S15AMGR	14000 ~ 15800	34 ~ 54	95.0%	111,000 Tc=70°C	415(390) × 108 × 48.5
1000	SSM-1K0S400MGS	3200 ~ 4000	175 ~ 312	96.0%	100,000 Tc=70°C	450(425) × 108 × 48.5
	SSM-1K0S840MGS	6720 ~ 8400	84 ~ 149	95.5%		
	SSM-1K0S20AMGS	18500 ~ 20000	34 ~ 54	96.0%		
	SSM-1K0S400MGR	3200 ~ 4000	175 ~ 312	96.0%	100,000 Tc=70°C	450(425) × 108 × 48.5
	SSM-1K0S840MGR	6720 ~ 8400	84 ~ 149	95.5%		
	SSM-1K0S20AMGR	18500 ~ 20000	34 ~ 54	96.0%		

Family Product Features

- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30…+55 °C
- Lifetime: up to 50,000 h (temperature at max. tc)
- Dimmable via fully isolated 1…10 V interface

Safety Certifications

Product Features

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electronical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible
- Dimming range: 1…100 %

Product Name	EAN
OT 20/220-240/24 DIM P	4052899545809
OT 40/220-240/24 DIM P	4052899545823
OT 60/220-240/24 DIM P	4052899545847
OT 100/220-240/24 DIM P	4052899545861
OT 130/220-240/24 DIM P	4052899545885
OT 250/220-240/24 DIM P	4052899545908

More Technical Data

Inventronics Advantages

- High efficiency up to 96%
- Input Voltage Range: 108 ~ 305Vac
- Fix output of 700mA
- Long life time
- Input Surge Protection: DM 6kV, CM 6kV
- Suitable for Luminaires with Protection Class I
- IP67

About EM P7 G2

The EM P7 G2 series is constant-current LED driver that operates from 108-305Vac and providing a stable, efficient solution for outdoor area lighting.

Dimming Functions

N/A

Safety Certifications

Output Power (W)	Model No.	Adjustable Current Range(mA)	Output Voltage Range (Vdc)	Eff.@ 220Vac	Lifetime (hours)	Dimensions (L×W×H)(mm)
100W	EM 100/120-277/700 P7 G2	700mA	100 ~ 143	93.5%	50,000 Tc=75°C	143.5 x 56 x 33mm
150W	EM 150/120-277/700 P7 G2	700mA	150 ~ 215	94.5%	50,000 Tc=75°C	143.5 x 56 x 33mm
200W	EM 200/120-277/700 P7 G2	700mA	200 ~ 285	95.5%	50,000 Tc=75°C	150.5 x 56 x 33mm
240W	EM 250/120-277/700 P7 G2	700mA	240 ~ 343	96.0%	50,000 Tc=75°C	150.5 x 56 x 33mm

Product Features

- DC mode functionality
- Type of protection: IP66 and IP67
- Surge protection: up to 4 kV (L-N) / 6 kV (L/N-PE)
- Wide operating temperature range: -30…+55 °C
- Lifetime: up to 50,000 h (temperature at max. tc)

Advantages

- Large range of products from 20 W to 250 W
- Installation in very cold and hot environments
- Very stable output power
- High electronical reversible short-circuit, overload, overtemperature protection
- Smart Power Supply: boosting power to turn on cold LEDs
- Independent installation possible

Safety Certifications

Product Name	EAN
OT 20/220-240/24 P	4052899545922 | 6937186114914
OT 40/220-240/24 P	4052899545946 | 6937186114938
OT 60/220-240/24 P	4052899545960 | 6937186114952
OT 100/220-240/24 P	4052899545984 | 6937186114976
OT 130/220-240/24 P	4052899546004 | 6937186114990
OT 250/220-240/24 P	4052899546028 | 6937186115010

More Technical Data

Product features

- Small housing design for mounting in coves or linear luminaires
- Versatile scope of application thanks to an output power range of up to 300 W
- Robust and durable design for outdoor applications

Safety Certifications

Product Name	EAN
OT FIT 80/220-240/24 P	4062172085465
OT FIT 150/220-240/24 P	4062172085601
OT FIT 200/220-240/24 P	4062172085649
OT FIT 300/220-240/24 P	4062172085687

More Technical Data

Advantages

- Versatile scope of application due to output power range of up to 300 W
- Very high efficiency
- IP rating: up to IP66/IP67
- High surge protection: up to 6 kV (L-N) / 6 kV (L/N-PE)

Safety Certifications

Product Name	EAN
OT FIT 60/220-240/12 P	4062172133487 | 6977770438613
OT FIT 150/220-240/12 P	4062172133500 | 6977770438637
OT FIT 300/220-240/12 P	4062172133548 | 6977770438651
OT FIT 30/220-240/12 P	4062172392570 | 6977770438675

More Technical Data

PU-10Kx05KBxA

Features

- 90-305Vac Working Input Voltage
- Uoc=10kV & In=5kA
- Certified for both EN 61643-11 - T2 & T3
- Protection Mode for TN, TT and IT-Systems
- Available for Series & Parallel Installation
- Available for Class I & Class II luminaires
- Double Thermally Protected
- End-of-life LED Indicator
- High Temperature, 85°C MaximumSurface Temp
- Input Over Voltage Protection at 440Vac with 48 Hours
- IP66 / IP67

PU-20Kx10KTxx

Features

- Compatible with Inventronics LED Drivers
- 90-305Vac Working Input Voltage
- 15 kA Maximum, 10 kA Nominal (15 strikes) Surge Current Rating Using Industry Standard 8/20μs Wave
- UL1449 Type 4, EN 61643-11 – Surge Protective Devices T2 & T3
- IEEE C62.41.2 Location Category C High
- High Temperature, 85℃ Maximum Ambient
- Flameproof Plastic Enclosure
- IP66

PU-20KS10KHT

Features

- Compatible with Inventronics LED Drivers
- 90-305Vac Working Input Voltage
- DM, CM Surge Protection Mode
- Maximum Discharge Current (Imax) 20kA, 8/20μs
- Nominal Discharge Current (In) 10kA, 8/20μs
- UL1449 Type 5 Recognized Component
- IEEE C62.41.2 Location Category C High Exposure
- High Temperature, 85°C Maximum Surface Temp Rating

PS-20KS10KHT

Features

- Compatible with Inventronics LED Drivers
- 249-528Vac Working Input Voltage
- DM, CM Surge Protection Mode
- Maximum Discharge Current (Imax) 20kA, 8/20μs
- Nominal Discharge Current (In) 10kA, 8/20μs
- UL1449 Type 5 Recognized Component
- IEEE C62.41.2 Location Category C High Exposure
- High Temperature, 85°C Maximum Surface Temp Rating

SPD G3

SPD G3 SPD P5 G3

Features

- Mains Voltage to 320Vac
- Suitable for Luminaries of Protection Class I/II
- Fully LED Driver Protection by Up <2kV
- High Surge Protection of Up to 20 kV / 10 kA (L-N); Comply with IEC 61643-11 - T3
- Maximum Surge Protection of Up to 20 kA; Comply with IEC 61643-11 - T2
- TÜV Approved Acc. to IEC 61643-11 – T2 & T3
- IP20(SPD G3)
- IP65(SPD P5 G3)

Product Family Features

- Qualified Bluetooth mesh enabled by Silvair
- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20
- Non-isolated drivers

Advantages

- Versatile QBM window driver up to 100 W and 750 mA
- Fully programmable via software (NFC)
- Very high efficiency
- High-quality dimming of 1 … 100 % (amplitude and/or PWM selectable by software)
- Higher quality of light thanks to < 1% output ripple current
- Fulfils safety requirement due to overload, overtemperature
- Hot Plug protection

Safety Certifications

Product Name	EAN
OT WI 35/220-240/400 D NFC BL L	4062172267373
OT WI 75/220-240/550 D NFC BL L	4062172267397
OT WI 100/220-240/750 D NFC BL L	4062172267410

More Technical Data

OTi DX D NFC IND L

Product Family Features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 150 W
- Monitoring of luminaire operating parameters
- Supply voltage: 220…240 V
- Available with output current range: up to 850 mA
- Constant Lumen Output (CLO)
- Integrated customizable thermal management (Driver Guard)
- Non-isolated drivers

Safety Certifications

Advantages

- Versatile non-isolated DEXAL LED driver up to 150 W due to flexible output characteristic
- Integrated DEXAL Bus power supply for sensors and wireless radios
- Simplified luminaire design for wireless lighting control system and sensors
- Locking and unlocking of luminaire/driver data
- Advanced luminaire/driver data (power, energy, operating hours…) for analytics
- Prepared for DiiA Specification Parts -250, -251, -252 and -253
- Fully programmable via T4T software (NFC, DALI Interface)
- Lifetime: up to 100,000 h (temperature at Tc = 75 °C)
- High light quality: 1…100% amplitude dimming
- Wide operating temperature range: -40…+65 °C
- High surge protection: up to 4 kV (L-N) / 4 kV (L/N-PE)
- Integrated inrush current limiter
- Very high efficiency (up to 96%)

Product Name	EAN
OTI DX 100/220-240/700 D NFC IND L	4062172050883
OTI DX 150/220-240/850 D NFC IND L	4062172050920

More Technical Data

Product Features

- Qualified Bluetooth mesh enabled by Silvair
- Works with HubSense®
- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20
- Integrated cable clamp for luminaire and independent installation

Advantages

- Small housing for flexible luminaire designs
- Versatile QBM window driver due to flexible output characteristic
- Easy and fast output current setting via NFC
- Very high efficiency
- High-quality dimming of 1…100 % by amplitude dimming

Safety Certifications

Product Name	EAN
OT WI 15/220-240/1A0 NFC BL LPI	4062172227872 | 6977770431683
OT WI 25/220-240/700 NFC BL LPI	4062172227919 | 6977770431706
OT WI 40/220-240/1A0 NFC BL LPI	4062172227933 | 6977770431720

More Technical Data

Product Features

- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20

Advantages

- High quality of light thanks to low output ripple current
- Short housing for minimum distance between spotlights
- Versatile DALI window driver due to flexible output characteristic
- Easy and fast output current setting via NFC
- High-quality dimming of 1…100 % by amplitude dimming
- DALI-2 certified incl. Parts 251, 252, 253
- Touch DIM application: easy to control via pushbutton or sensor
- SELV system

Safety Certifications

Product Name	EAN
OTi DALI 40/220-240/1A0 NFC T-B	4062172310475 | 6937186108944
OTi DALI 40/220-240/1A0 NFC T-W	4062172310529 | 6937186108982
OTi DALI 40/220-240/1A0 NFC T-G	4062172350105 | 6937186108968

More Technical Data

Product Features

- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015/CISPR 15
- Immunity according to EN 61547
- Lifetime: up to 100,000 h
- Type of protection: IP20

Safety Certifications

Advantages

- Versatile DALI window driver due to flexible output characteristic
- Integrated DEXAL Bus power supply for sensors and wireless radios
- Simplified luminaire design for wireless lighting control system and sensors
- Locking and unlocking of luminaire/driver data
- Advanced luminaire/driver data for analytics
- D4i certified incl. Parts 250, 251, 252, 253
- Easy and fast output current setting via NFC
- Very high efficiency
- High-quality dimming of 1…100 % by amplitude dimming
- Suitable for emergency Installations (acc. to EN 60598-2-22 and IEC 61347-2-13,appendix J)
- Feedback of power consumption and operating hours
- Suitable for buildings according to EPBD/BREEAM/LEED

Product Name	EAN
OTI DX 25/220-240/700 NFC	4062172017947 | 6977770437920
OTI DX 35/220-240/1A0 NFC	4062172017961 | 6977770437944
OTI DX 50/220-240/1A4 NFC	4062172061865 | 6977770437968

More Technical Data

OTi DALI NFC L

Product Features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile DALI window driver up to 80 W due to flexible output characteristic
- Supply voltage: 220…240 V
- Available with output current range: up to 2,100 mA
- Constant Lumen Output (CLO)
- Integrated customizable thermal management (Driver Guard)

Advantages

- Fully programmable via software (DALI Interface, NFC)
- Advanced luminaire/driver data (power, energy, operating hours…) for analytics
- DALI-2 certified incl. Parts 251, 252, 253
- High-quality dimming of 1…100 % by amplitude dimming
- Higher quality of light thanks to 3% output ripple current
- Very high efficiency
- Very low standby power consumption: 0.15 W *

Safety Certifications

Product Name	EAN
OTi DALI 25/220-240/700 NFC L	4062172074940 | 6937186106582
OTi DALI 35/220-240/1A0 NFC L	4062172074964 | 6937186106605
OTi DALI 50/220-240/1A4 NFC L	4062172074988 | 6977078993401
OTi DALI 80/220-240/2A1 NFC L	4062172238656 | 6937186106629

More Technical Data

OTi DALI D NFC IND L

Product Features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application thanks to an output power range of up to 300 W
- Supply voltage: 220…240 V
- Available with output current range: up to 1,000 mA
- Constant Lumen Output (CLO)
- Integrated customizable thermal management (Driver Guard)
- Non-isolated drivers
- DALI-2 certified (Part -251, -252, -253)

Safety Certifications

Advantages

- Fully programmable via T4T software (NFC, DALI Interface)
- Lifetime: up to 100,000 h (temperature at Tc = 75 °C, max. 10 % failure rate)
- High light quality: 1…100% amplitude dimming and 1% output ripple current
- Wide operating temperature range: -40…+55 °C
- High surge protection: up to 4 kV (L-N) / 4 kV (L/N-PE)
- Very high efficiency (up to 96%)
- Fulfill safety requirement due to overload, overtemperature
- Hot Plug protection
- Touch DIM® application: easy to control via pushbutton
- Suitable for emergency Installations (acc. to EN 60598-2-22 and IEC 61347-2-13, appendix J) thanks to DC detection (0 Hz, pulsating DC), on/off switchable

Product Name	EAN
OTi DALI 75/220-240/550 D NFC IND L	4062172139670 | 6977770436589
OTi DALI 100/220-240/700 D NFC IND L	4052899559516 | 6977770436503
OTi DALI 150/220-240/1A0 D NFC IND L	4052899559530 | 6977770436527
OTi DALI 150/220-240/700 D NFC IND L	4062172290180 | 6977770436626
OTi DALI 300/220-240/1A6 D NFC IND L	4062172186155 | 6977770436602

More Technical Data

Product Features

- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20

Safety Certifications

Advantages

- Small housing for flexible luminaire designs
- Versatile DALI window driver due to flexible output characteristic
- Easy and fast output current setting via NFC
- Very high efficiency
- High-quality dimming of 1…100 % by amplitude dimming
- DALI-2 certified incl. Parts 251, 252, 253
- Easy to use in corridors and restrooms because of three-level corridor function
- Thanks to the Touch DIM Application, it is easy to control via the button or sensor

Product Name	EAN
OTi DALI 10/220-240/700 NFC	4062172250269 | 6937186106643
OTi DALI 15/220-240/1A0 NFC LP	4062172227674 | 6977770437623
OTi DALI 25/220-240/700 NFC LP	4062172227698 | 6977770437784
OTi DALI 40/220-240/1A0 NFC LP	4062172227711 | 6977770437845
OTi DALI 50/220-240/1A4 NFC LP	4062172224024 | 6977770437883

More Technical Data

Product Features

- Driver with integrated CASAMBI lighting control system
- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- Lifetime: up to 100,000 h
- Type of protection: IP20

Advantages

- High quality of light thanks to low output ripple current
  Short housing for minimum distance between spotlights
- Versatile CASAMBI window driver due to flexible output characteristic
- Easy and fast output current setting via NFC
- High-quality dimming of 1…100 % by amplitude dimming SELV system

Safety Certifications

Product Name	EAN
OT WI 40/220-240/1A0 NFC CA T-B	4062172310611 | 6977770437708
OT WI 40/220-240/1A0 NFC CA T-W	4062172310635 | 6977770437722
OT WI 40/220-240/1A0 NFC CA T-G	4062172350143 | 6977770438286

More Technical Data

Product Features

- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198…264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015/CISPR 15
- Immunity according to EN 61547
- Lifetime: up to 100,000 h
- Type of protection: IP20

Safety Certifications

Advantages

- Versatile DALI window driver due to flexible output characteristic
- Locking and unlocking of luminaire/driver data
- Advanced luminaire/driver data (power, energy, operating hours…) for analytics
- DALI-2 certified incl. Parts 251, 252, 253
- Easy and fast output current setting via NFC Very high efficiency
- High-quality dimming of 1…100 % by amplitude dimming
- Suitable for emergency Installations (acc. to EN 60598-2-22 and IEC 61347-2-13,appendix J) thanks to DC detection (0 Hz, pulsating DC), on/off switchable
- Feedback of power consumption and operating hours (Fit for SMART GRID)
- Suitable for buildings according to EPBD/BREEAM/LEED due to automatic Constant Lumen Output setting

Product Name	EAN
OTi DALI 15/220-240/1A0 NFC	4062172061766 | 6937186107749
OTi DALI 25/220-240/700 NFC	4062172017909 | 6937186103741
OTi DALI 35/220-240/1A0 NFC	4062172017923 | 6977770437821
OTi DALI 50/220-240/1A4 NFC	4062172061889 | 6977770437906

More Technical Data

Product Features

- Dimmable via Touch DIM
- Available as single-channel or multi-channel with DT6 and DT8 in one device
- Dimming range: 0.1…100 % (for 50-80-160W) or 1…100 % (for 30W)
- Line frequency: 0 Hz | 50 Hz | 60 Hz

Advantages

- Intelligent power matching thanks to Smart power supply
- Form factor for mounting on the cove or in luminaires
- No stroboscopic effect thanks to patented high PWM frequency management (2 kHz)
- Suitable for installation in emergency lighting systems according to EN 60598-2-22
- IP rating: IP20

Safety Certifications

Product Name	EAN
OTi DALI 50/220-240/ 24 4CH DT6/8 G3	4062172274289 | 6977770431966
OTi DALI 80/220-240/ 24 4CH DT6/8 G3	4062172274302 | 6977770431942
OTi DALI 160/220-240/ 24 2CH DT6/8 G3	4062172274326 | 6977770431928
OTi DALI 50/220-240/24 1CH G3	4062172274340 | 6977770431881
OTi DALI 80/220-240/24 1CH G3	4062172274364 | 6977770431867
OTi DALI 160/220-240/24 1CH G3	4062172274388 | 6977770431904
OTi DALI 30/220-240/24 1CH	4062172329767 | 6937186115119

More Technical Data

Product Features

- Wireless 5-channel dimmer, with output voltage of 12, 24 and 48 V
- Control of LED modules up to 12 A
- Wireless module based on Bluetooth Low Energy

Advantages

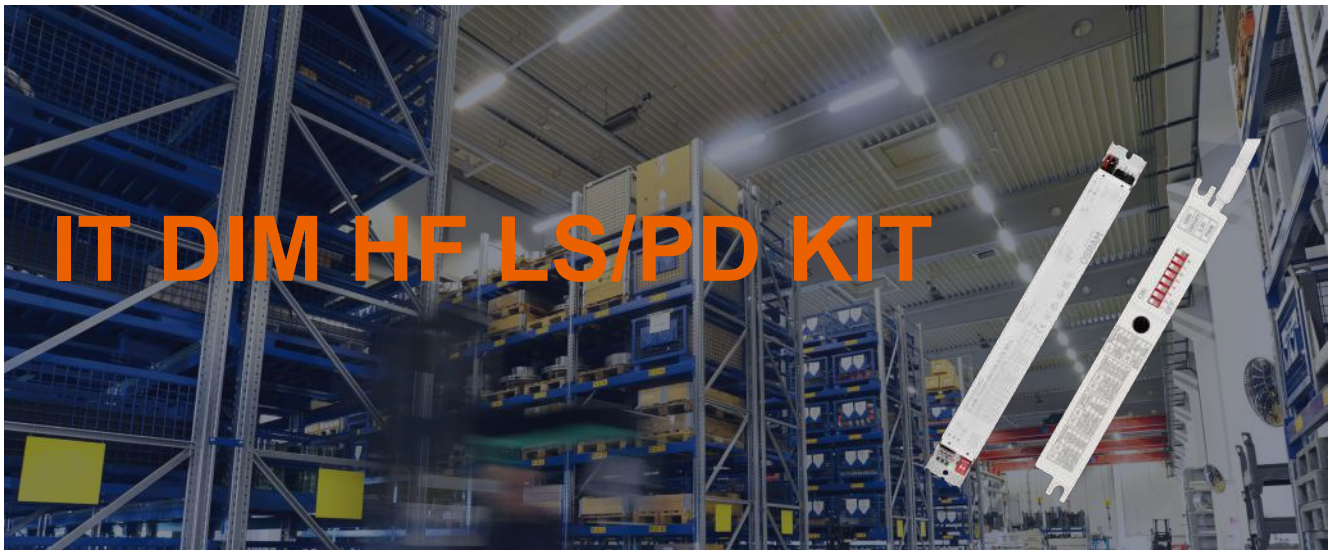
- Control of white, Tunable White, RGB, RGBW and RGBTW LED modules
- Independent housing for ceiling installation
- Support of systems based on CASAMBI lighting control solutions
- Minimal installation effort
- Dry contacts for optional connection to any commercial pushbutton

Safety Certifications

CE

Product Name	EAN
OT WI DIM 5CH CA	4062172382274 | 6937186115232

More Technical Data



IT DIM HF LS/PD KIT

Product Features

- Flexible with 1 driver offers 4 output currents
- Low THD 10% @ full load
- Input voltage: 220 – 240 VAC
- Ambient temp range ta: -25 to +50 °C
- Low LF-ripple 5%
- 5 years guarantee*
- Non-isolated drivers
- HF LI Sensor (Light- and motion detection via radar)
- StepDIM function for different light levels
- Different operating modes for daylight- or motion-dependent switching selectable
- Motion detection range adjustable
- Detection height up to 6 meter

Advantages

- KIT including driver, HF Sensor and cabling
- Non isolated system for energy saving applications
- High quality light with very low ripple
- Very high efficiency
- Enable slim fixture design with flat 21 mm height metal housing
- Long lasting and high reliability

Safety Certifications

Product Name	EAN
IT DIM 40/HF LS/PD KIT	4062172360265 | 6937186111777
IT DIM 60/HF LS/PD KIT	4062172360289 | 6937186111791
IT DIM 75/HF LS/PD KIT	4062172360302 | 6937186111814

More Technical Data

Product Features

- Cable clamp housing for independent mounting
- Dimmable on the leading edge and trailing edge
- Housing for independent installation"

Advantages

- Compatible with the most common leading-edge and trailing-edge phase dimmers
- Flexible current setting (DIPswitch – 2 to 4 currents)
- Flicker-free dimming
- Higher quality of light thanks to 5% output ripple current
- Housing from 80% recycled plastic

Safety Certifications

Product Name	EAN
OT FIT 7/220-240/180 CS PC	4062172286541 | 6937186111395
OT FIT 14/220-240/350 CS PC	4062172286503 | 6937186111296
OT FIT 18/220-240/450 CS PC	4062172007559 | 6937186111319
OT FIT 30/220-240/700 CS PC	4052899617308 | 6937186111357
OT FIT 40/220-240/1A0 CS PC	4052899617261

More Technical Data

Product Features

- Power Level: 20W, 25W, 30W, 40W, 85W
- Input voltage 120 - 277V
- Surge: 2 / 4 kV
- IP Rating: IP20
- Dimming: 1% dimming capability with Dim to Off | 0-10V /
- PWM dimming

Advantages

- 1% dimming capability with Dim to Off
- Programming via Inventronics PC programmer / Tuner4TRONIC
- Very low ripple for high lighting quality
- 12V Aux included
- Long lasting and high reliability
- UL Class 2

Safety Certifications

More Technical Data

Product Features

- Intelligent DMX dimmer, with output voltage of 12, 24 and 48 V
- Control of LED modules up to 12 A
- RDM functionality for total control in application

Advantages

- Control of white, Tunable White, RGB, RGBW and RGBTW LED modules
- Independent housing for ceiling installation
- Minimal installation effort
- Selectable PWM frequency

Safety Certifications

CE

Product Name	EAN
OT DMX DIM 5CH	6977078993838

More Technical Data

OT FIT D NFC IND L

Product Features

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Versatile scope of application due to output power range of up to 300 W
- Supply voltage: 220…240 V
- Available with output current range: up to 1,600 mA
- Constant Lumen Output (CLO)
- Non-isolated drivers

Advantages

- Flexible and future-proof current setting via NFC and LT2
- Lifetime: up to 100,000 h (temperature at Tc = 75 °C, max. 10 % failure rate)
- Wide operating temperature range: -40…+65 °C
- High quality of light thanks to 1% output ripple current
- High surge protection: up to 4 kV (L-N) / 4 kV (L/N-PE)
- Very high efficiency (up to 96%)
- Integrated inrush current limiter
- Fulfill safety requirement due to overload, overtemperature

Safety Certifications

Product Name	EAN
OT FIT 75/220-240/550 D NFC IND L	4062172139694 | 6937186103703
OT FIT 100/220-240/700 D NFC IND L	4052899990128 | 6977770438309
OT FIT 150/220-240/1A0 D NFC IND L	4052899990142 | 6977770438323
OT FIT 300/220-240/1A6 D NFC IND L	4062172186179 | 6937186103727

More Technical Data

Product Features

- Supply voltage: 220…240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198…264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression according to CISPR 15
- Line harmonics according to IEC 61000-3-2
- Immunity according to IEC 61547

Advantages

- Small housing for flexible luminaire designs
- Higher quality of light thanks to 3% output ripple current
- Operating temperature: up to 60 °C
- User flexibility with four different output currents from one driver
- Flexible current selection via DIP switch
- Reversible overtemperature, overload, short-circuit and open-circuit protection
- High efficiency (up to 90%)

Safety Certifications

Product Name	EAN
OT FIT 8/220-240/180 CS S MINI	4052899587922 | 6977770437609
OT FIT 8/220-240/180 CS I MINI	4052899587946 | 6977770437586
OT FIT 15/220-240/350 CS S MINI	4062172013406 | 6977770437487
OT FIT 20/220-240/500 CS S MINI	4052899587960 | 6977770437500
OT FIT 30/220-240/700 CS S MINI	4062172013420 | 6977770437524
OT FIT 38/220-240/900 CS S MINI	4052899587984 | 6977770437548

More Technical Data

Product Features

- AC Supply Voltage 220-240 Vac
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198…264 V
- SELV LED driver in track adaptor
- Lifetime 50 000 h at tc max
- Dip-switches for easy output current selection
- Low THD 10% @ full load
- Low LF-ripple 5%

Advantages

- Compact size for miniaturized track light luminaire design
- High light quality due to low ripple current
- Three colors available: White, Grey, Black
- High flexibility due to eight different output currents
- High efficiency (up to 90%)

Safety Certifications

Product Name	EAN
IT FIT 30/220-240/700 CS T-B	4062172379847 | 6977770437241
IT FIT 30/220-240/700 CS T-G	4062172379861 | 6977770437265
IT FIT 30/220-240/700 CS T-W	4062172379885 | 6977770437289
IT FIT 40/220-240/1A0 CS T-B	4062172379908 | 6977770437364
IT FIT 40/220-240/1A0 CS T-G	4062172379922 | 6977770437388
IT FIT 40/220-240/1A0 CS T-W	4062172379946 | 6977770437401

More Technical Data

Product Features

- SELV LED drivers up to 30W
- Dip switch for 4 output currents per model
- Dimensions: ~230mm length
- Available with Black, White and Grey housing
- High quality of light with low ripple
- High efficiency, up to 91.5%
- Compatible with a wide range of popular tracks

Advantages

- Short dimension to design elegant luminaire
- Invisible when installed in track system
- Future proof & flexible offer with 4 currents for selectio

Safety Certifications

Product Name	EAN
IT FIT 14/220-240/350 CS TI-B	6977770438798
IT FIT 14/220-240/350 CS TI-W	6977770438811
IT FIT 14/220-240/350 CS TI-G	6977770438835
IT FIT 22/220-240/550 CS TI-B	6977770438859
IT FIT 22/220-240/550 CS TI-W	6977770438873
IT FIT 22/220-240/550 CS TI-G	6977770438897
IT FIT 30/220-240/750 CS TI-B	6977770438910
IT FIT 30/220-240/750 CS TI-W	6977770438934
IT FIT 30/220-240/750 CS TI-G	6977770438958

More Technical Data

Product Features

- Supply voltage: 220…240 V
- Fixed output (no dimming)
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198…264 V
- According to EN 61347-1, 61347-2-13, 62384
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547 SELV

Advantages

- Versatile scope of application due to output power range of up to 42 W
- Higher quality of light thanks to 5% output ripple current
- High efficiency
- High compatibility with COBs and discrete LEDS

Safety Certifications

Product Name	EAN
ELEMENT 6/220-240/150	4062172355438 | 6977770430396
ELEMENT 8/220-240/200	4062172355452 | 6977770430419
ELEMENT 10/220-240/250	4062172355476 | 6977770430433
ELEMENT 12/220-240/300	4062172355490 | 6977770430211
ELEMENT 15/220-240/350	4062172355513 | 6977770430235
ELEMENT 20/220-240/500	4062172355537 | 6977770430259
ELEMENT 25/220-240/600	4062172355551 | 6977770430273
ELEMENT 30/220-240/700	4062172355575 | 6977770430297
ELEMENT 33/220-240/800	4062172355599 | 6977770430310
ELEMENT 35/220-240/900	4062172355612 | 6977770430334
ELEMENT 38/220-240/950	4062172355636 | 6977770430358
ELEMENT 42/220-240/1050	4062172355650 | 6977770430372

More Technical Data

Product Features

- Wide Ta range -20 – +50
- 24 V constant output voltage
- Output power up to 250 W
- High efficiency up to 93% (depend on different wattage)
- PF 0.98
- Screw terminal
- Suitable for Class I/II luminaires
- Cable clamp integrated
- Overload protection
- Overtemperature protection

Advantages

- Class II design for wide application
- Excellent price/quality/watt ratio
- Lifetime: up to 50,000 h (temperature at max. tc)

Safety Certifications

Product Name	EAN
IT FIT 30/220-240/24	4062172168007
IT FIT 60/220-240/24	4062172168021
IT FIT 120/220-240/24	4062172168045
IT FIT 180/220-240/24	4062172168069
IT FIT 250/220-240/24	4062172168083

More Technical Data

Product Features

- Linear form factor
- Power factor: 0.95 at full load
- Total Harmonic Distortion (THD): 15%
- Output voltage tolerance: 3%
- Up to 30,000 h @ Tc max / up to 50,000 h @ Tc -10 °C

Advantages

- High efficiency (up to 91 %)
- Higher quality of light thanks to 3% output ripple current
- Excellent price/performance ratio
- Class II design for wide application
- 3 years guarantee

Safety Certifications

Product Name	EAN
ELEMENT 30/220-240/12 G2	4062172277846
ELEMENT 60/220-240/12 G2	4062172277860
ELEMENT 120/220-240/12 G2	4062172277884
ELEMENT 180/220-240/12 G2	4062172277907

More Technical Data

PrevaLED Linear IND G1

Product Features

- Module efficacy: up to 193 lm/W
- Available with luminous flux: 1,400 lm on 280 mm
- Available with luminous flux: 2,800 lm on 560 mm
- Available with color temperature: 4,000 K, 5,000 K or 6,500 K
- High initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): 100,000 h (temperature at Tc = 60 °C)
- CE marked, ENEC certified

Advantages

- LED module for robust application
- Very long lifetime
- Reliable system between IND LED module and Optotronic
- OT IND driver
- Adjustable luminous flux, efficacy and lifetime

Safety Certifications

More Technical Data

PrevaLED Linear G6 CRI90

Product Features

- Module efficacy: up to 173 lm/W
- Available with luminous flux: 245 lm on 62 mm, 275 lm on 70 mm
- Available with luminous flux: 1,100 lm or 2,000 lm on 280 mm
- Available with luminous flux: 2,200 lm or 4,000 lm on 560 mm
- Color rendering index: 90
- High initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): 70,000 h (temperature at Tc = 50 °C)

Advantages

- Slim luminaire design by small and flexible form factor
- High homogeneity thanks to small LED pitch
- High voltage (HV) optimized for non-isolated, low voltage
- (LV) optimized for SELV operation
- Adjustable luminous flux, efficacy and lifetime
- Direct the light where it’ s needed while using PrevaLED
- Linear Optics

Safety Certifications

More Technical Data

PrevaLED Brick

Inventronics Advantages

- High-performance module for outdoor and street lighting
- Dimensions aligned with Zhaga book 15
- Compatible with third party optics, e.g. from LEDIL
- High module efficiency for demanding lighting solutions
- Thermal monitoring with NTC on LED Module
- Several color temperature: 2,200 K, 2,700 K, 3,000 K, 4,000 K, 5,700 K and 6,500 K and with CRI > 70 and CRI > 80
- Initial color consistency: ≤ 5 SDCM
- PrevaLED Brick HP: focused on combination of high robustness and high efficiency
- PrevaLED Brick HP HE: focused on combination of high efficiency and high lumen output

About PrevaLED Brick

PrevaLED Brick is a LED Module series for Outdoor lighting application based on the Zhaga Standard

Different configurations based on LED quantities, CCT, CRI, LED Technology are availible.

Comlying with Zhaga Book 15 (IP20 versions) and Book 19 (IP66 versions with dedicated optics)

Furthermore, PrevaLED Brick is also available with 2 different LED Strings for dual channels systems and integration into Tunable White applications

Safety Certifications

Model No.	Single Channel	Nominal Voltage	Nominal Current	On-Mode Power	Luminous Efficacy	Luminous Flux	Number of LEDs Per Module
PL-BRICK HP 1000 740 2X2	PrevaLED Brick HP	12 V	0,53A	6 W	186 lm/W	1110 lm	4
PL-BRICK HP 1900 740 2X4	PrevaLED Brick HP	23 V	0,53A	12 W	186 lm/W	2220 lm	8
PL-BRICK HP 2850 740 2X6	PrevaLED Brick HP	34 V	0,53A	18 W	186 lm/W	3330 lm	12
PL-BRICK HP 1900 740 2X8	PrevaLED Brick HP	45 V	0,53A	24 W	186 lm/W	4450 lm	16
PL-BRICK HP 2850 740 2X6 IP G2	PrevaLED Brick HP IP66	34 V	0,53A	18 W	186 lm/W	3330 lm	12

Model No.	Single Channel	Nominal Voltage	Nominal Current	On-Mode Power	Luminous Efficacy	Luminous Flux	Number of LEDs Per Module
PL-BRICK HP 2850 740 2X4 HE	PrevaLED Brick HP HE	23 V	0,53A	12 W	204 lm/W	2410 lm	8
PL-BRICK HP 3800 740 2X6 HE	PrevaLED Brick HP HE	34 V	0,53A	18 W	204 lm/W	3620 lm	12
PL-BRICK HP 3800 740 2X8 HE	PrevaLED Brick HP HE	45 V	0,53A	24 W	204 lm/W	4830 lm	16
PL-BRICK HP 7500 3x8 HE IP	PrevaLED Brick HP HE IP66	70 V	0,53A	37 W	208 lm/W	7590 lm	24

Model No.	Dual Channel	Nominal Voltage	Nominal Current	On-Mode Power	Luminous Efficacy	Luminous Flux	Number of LEDs Per Module
PL-BRICK HP 3000 722-740 2X4 HE 2CH	CH 1	23 V	0,35A	8 W	157 lm/W	1250 lm	2x4
	CH 2	23 V	0,35A	8 W	195 lm/W	1550 lm	
PL-BRICK HP 6000 722-740 2X8 HE 2CH	CH 1	45 V	0,35A	16 W	157 lm/W	2510 lm	2x8
	CH 2	45 V	0,35A	16 W	195 lm/W	3100 lm	

Product Features

- 2 standard color mixes recipes for different applications
- Module efficacy: up to 3.6 µmol/J (@rated conditions)
- PF up to 85 µmol/s (@rated conditions)
- Average lifetime (L90B10): up to 70,000 (up to temperature at Tp = 60 °C)
- Thermal protection by NTC on the LED Module
- Maximum working voltage 550 V for the system
- Geometry according to Zhaga Book 15

Product Family Benefits

- Customized solutions (color-mix & form factor) possible
- Perfect fit to OPTOTRONIC HC and Industry Drivers
- Compatible to standard outdoor and industry optics, e.g. Ledil Strada series

Safety Certifications

CE

Product Name	EAN
PlantaSeed R90B10	4062172242394
PlantaSeed R30W70	4062172242417

More Technical Data

Planta Seed Linear

Product Family Features

- 5-year system warranty when paired with OPTOTRONIC constant current LED power supplies
- 120° viewing angle per module
- Available module length: 1 ft/280 mm or 2 ft/560mm
- Dimensions: 280 mm or 560 mm x 20 mm x 6 mm
- Dimmable by OPTOTRONIC LED driver
- For operation with suitable OPTOTRONIC control gears
- Geometry according to Zhaga Book 7 L28W2 and L56W2
- Lifetime (L85 B10): up to 60,000 h (temperature at tc = 80 °C)
- Max. working voltage: 250 V
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)
- PF up to 80 µmol/s (@rated conditions)

Product Family Benefits

- Adjustable luminous flux, efficacy and lifetime
- Future-proof thanks to Zhaga conformity
- High homogeneity thanks to small LED pitch
- Optimized LED layout to deliver uniform light output
- Perfect fit to OPTOTRONIC HC and Industry Drivers
- SELV or non-isolated modules for easy luminaire design
- System guarantee in combination with OPTOTRONIC control gear and match with other driver portfolio
- Type of protection: IP00

Safety Certifications

CE

Product Name	EAN
Planta Seed PL-LIN-RW 280x20 LV/HV	4062172356855
Planta Seed PL-LIN-RWFR 280x20 LV/HV	4062172356879
Planta Seed PL-LIN-RW 560x20 LV	4062172356893
Planta Seed PL-LIN-RW 560x20 HV	4062172356916
Planta Seed PL-LIN-RWFR 560x20 LV	4062172356930
Planta Seed PL-LIN-RWFR 560x20 HV	4062172356954

More Technical Data

Product Family Features

- Complete portfolio with varying luminous flux, color temperature, color rendering
- Available with color temperature: 2,700 K, 3,000 K, 3,500 K or 4,000 K
- High module efficacy: up to 160 lm/W at Tp = 85 °C
- LED module is basic isolated to mounting surface
- Max. working voltage: 60 V (to be operated only on SELV LED control gear)

Product Family Benefits

- High quality of light, complying with IES TM30-15 standard
- Flexible lumen output selection from 1,000 to 5,000lm
- Color consistency < 3SDCM
- Industry standard form factor and LES
- System approach (COB + Holder + Driver)
- Easy cooling due to optimized efficiency and high maximum operation temperature
- High driver flexibility allows cost-effective and intelligent systems
- Up to 50,000 hours lifetime
- 5 year guarantee

Safety Certifications

CE

More Technical Data

PrevaLED COIN 50 COB G2

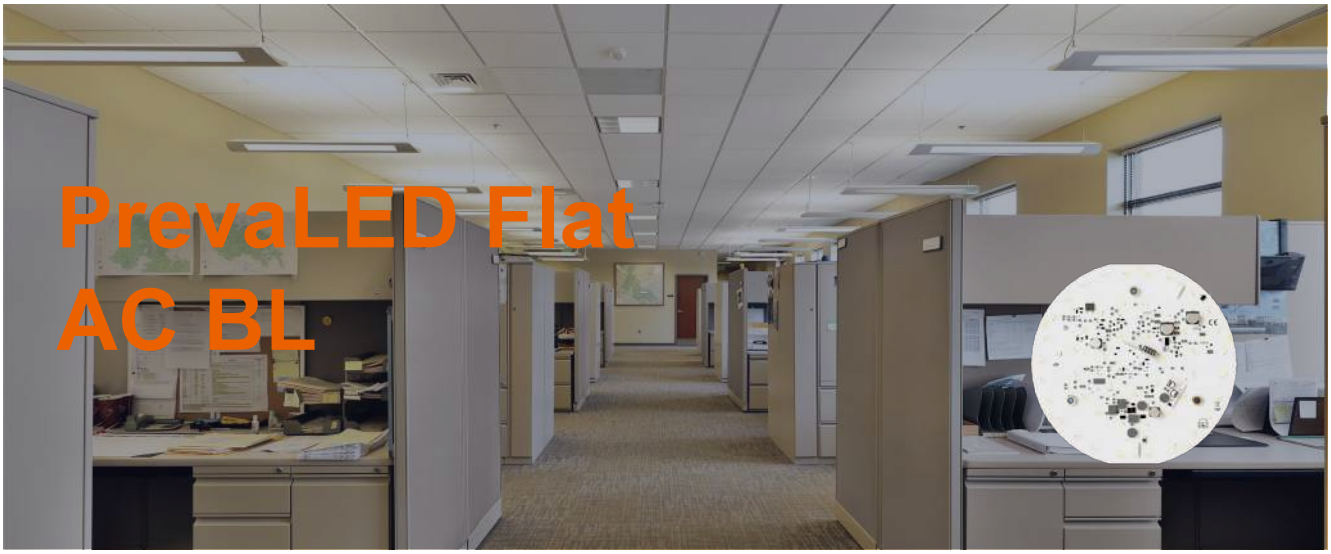
Product Features

- Color consistency 2 SDCM
- TM30 compliant
- High flux output up to 1500 lm
- Beam angle: 15°, 24°, 40°
- Type of protection: IP20"

Advantages

- Compatible with conventional MR16 lamps
- Precise optical control and free from multi-shadow issue
- Replaceable front cover to maximize optics flexibility and future extension
- Dual mode options in High-Output (HO) and High-Efficacy (HE)

More Technical Data



PrevaLED Flat AC BL

Product Features

- Qualified Bluetooth mesh wireless control
- Dimming range: 1…100 %
- Designed for wall and ceiling luminaires with diffuse light distribution
- Low-cost LED replacement of CFL wall-, and ceiling luminaires
- Driver integrated on LED board
- Lifetime (L70/B50): 50,000 h
- LED module is reinforced isolated to mounting surface
- Photobiological safety according to IEC/TR 62778, risk group RG1

Advantages

- Touch protection accessory for simple use in luminaires
- High reliability
- Easy to use
- Optimised design for simple thermal management
- Enables thin and efficient luminaire designs
- High quality of light thanks to low modulation
- 5 year guarantee

Safety Certifications

More Technical Data

LINEARlight FLEX Infinite IP00

Product Features

- Nominal voltage: 24 V | 48 V
- Nominal wattage per meter: 4.0 W ... 25.8 W
- Type of protection: IP00
- Color rendering index Ra: 80 | 90
- Color temperature: 2400 K ... 4000 K
- Luminous flux per meter: 325 lm ... 4100 lm
- Length: 3000 mm ... 18000 mm
- Length – smallest unit: 50 mm | 100 mm
- Beam angle: 120 °
- LEDs per meter: 80

Safety Certifications

Advantages

- Color uniformity better than 2 SDCM on the entire LED strip and between strips
- Light stability over time typically 1 SDCM, tested acc. to IEC 62717 @ 6,000 h
- LED lifetime acc.to IES LM-80 and IES TM-21 standards, and also internal Lab tests
- Reliable photometric parameters according to IES LM-79, EN13032-4 and CIE S 025
- Accurate description of the color rendition of the light source acc. to IES TM-30-15
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Vibration-resistant for stationary installations acc. to IEC60068-2-6 and IEC60068-2-64
- Flicker and stroboscopic effect-free acc. to IEC TR 61547-1 and IEC TR 63158
- Tested by accredited Product Qualification Lab. ISO9001, ISO 17025, ACCREDIA, VDE
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back

More Technical Data

24V Models:

48V Models:

Product Features

- Nominal voltage: 24 V | 48 V
- Nominal wattage per meter: 4.0 W ... 26.4 W
- Type of protection: IP66/IP68
- Color rendering index Ra: 80 | 90
- Color temperature: 2400 K ... 4000 K
- Luminous flux per meter: 430 lm ... 4000 lm
- Length: 3000 mm ... 18000 mm
- Length – smallest unit: 50 mm | 100 mm
- Beam angle: 120 °
- LEDs per meter: 80

Safety Certifications

SASO

Advantages

- Color uniformity better than 2 SDCM on the entire LED strip and between strips
- Light stability over time typically 1 SDCM, tested acc. to IEC 62717 @ 6,000 h
- LED lifetime acc.to IES LM-80 and IES TM-21 standards
- Reliable photometric parameters according to IES LM-79, EN13032-4 and CIE S 025
- Accurate description of the color rendition of the light source acc. to IES TM-30-15
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Vibration-resistant for stationary installations acc. to IEC60068-2-6 and IEC60068-2-64
- Flicker and stroboscopic effect-free acc. to IEC TR 61547-1 and IEC TR 63158
- Tested by accredited Product Qualification Lab. ISO9001, ISO 17025, ACCREDIA, VDE
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- High-performance silicone for extremely long life

More Technical Data

24V Models:

48V Models:

LINEARlight FLEX Uniformity

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter: 6.1 W ... 20 W
- Type of protection: IP00 | IP68
- Color rendering index Ra: 80 ... 95
- Color temperature: 2500 K ... 4000 K
- Luminous flux per meter: 800 lm ... 2100 lm
- Length: 5000 mm | 10000 mm
- Length – smallest unit: 50 mm
- Beam angle: 120°
- LEDs per meter: 140

Safety Certifications

Advantages

- Color uniformity better than 2 SDCM on the entire LED strip and between strips
- Light stability over time typically 1 SDCM, tested acc. to IEC 62717 @ 6,000 h
- LED lifetime acc.to IES LM-80 and IES TM-21 standards
- Reliable photometric parameters according to IES LM-79, EN13032-4 and CIE S 025
- Accurate description of the color rendition of the light source acc. to IES TM-30-15
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Vibration-resistant for stationary installations acc. to IEC60068-2-6 and IEC60068-2-64
- Flicker and stroboscopic effect-free acc. to IEC TR 61547-1 and IEC TR 63158
- Tested by accredited Product Qualification Lab. ISO9001, ISO 17025, ACCREDIA, VDE
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- High-performance silicone for extremely long life

More Technical Data

BASIC FLEX Shortpitch

Product Features

- Energy saving low-power flexible LED strip
- Easy installation with track system
- Multi-cuttable LED strip with CONNECT system
- Available in warm white and neutral white
- 120° viewing angle per module

Product Advantages

- Consistent white light: 3 SDCM
- Color rendering index 90+ (CRI) and R9 > 50
- Lifetime: up to 50,000 h L70B50
- Dimmable (with suitable DALI dimming methods)
- Available with protection class IP00 and IP66
- IP66 protection, IP54 when cut and reconnected

Safety Certifications

CE

More Technical Data

LINEARlight FLEX Colormix

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter: 7.9 W ... 19.6 W
- Type of protection: IP00 | IP68
- Color rendering index Ra (white): up to 90
- Color temperature (white): 2200 K ... 6500 K
- Luminous flux per meter: up to 1275 lm
- Length: 5100 mm | 6000 mm
- Length – smallest unit: 100 mm |150 mm
- Beam angle: 120°
- LEDs per meter: up to 120

Advantages

- Uniform color changing
- Great design freedom thanks to flexibility and cuttability of module
- High-performance silicone for extremely long life and flexibility
- Easy mountingon many smooth surfaces thanks to elf-adhesive tape at the back
- Extraordinary design and high quality materials
- Toolless connection with the optional CONNECTsystem

Safety Certifications

More Technical Data

LINEARlight FLEX Tunable White IP00

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter: 9.8 W ... 34.7 W
- Type of protection: IP00
- Color rendering index Ra: 90
- Color temperature: 2700 K ... 4180 K
- Luminous flux per meter: 1111 lm ... 3400 lm
- Length: 3000 mm | 9000 mm
- Length – smallest unit: 75 mm
- Beam angle: 120 °
- LEDs per meter: 187

Advantages

- Color uniformity better than 3 SDCM on the entire LED strip and between strips
- LED lifetime acc.to IES LM-80 and IES TM-21 standards
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Extraordinary design and high quality materials
- Pre-soldered wires

Safety Certifications

More Technical Data

LINEARlight FLEX Tunable White Protect

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter: 9.9 W ... 32 W
- Type of protection: IP67
- Color rendering index Ra: 80 | 90
- Color temperature: 3100 K | 3700 K
- Luminous flux per meter: 1134 lm ... 3356 lm
- Length: 3000 mm | 9000 mm
- Length – smallest unit: 75 mm
- Beam angle: 120 °
- LEDs per meter: 187

Advantages

- Color uniformity better than 3 SDCM on the entire LED strip and between strips
- LED lifetime acc.to IES LM-80 and IES TM-21 standards, and also internal Lab tests
- Excellent robustness: single reel manufacturing technology (no solder joints on strip)
- Easy mounting on many smooth surfaces thanks to self-adhesive tape at the back
- Extraordinary design and high quality materials
- High-performance silicone for extremely long life

Safety Certifications

More Technical Data

LINEARlight FLEX Diffuse TOP

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter: 7.3 W ... 21 W
- Type of protection: IP66/IP68
- Color rendering index Ra: 80 | 90
- Color temperature: 2440 K ... 7100 K
- Luminous flux per meter: 460 lm ... 1550 lm
- Length: 4000 mm ... 10000 mm
- Length – smallest unit: 50 mm
- Beam angle: 120 °
- LEDs per meter: 140

Advantages

- IP66/IP68 protection with high performance silicone
- Reliable connection over long periods of time: IP66/67 connector with built-in protection against liquids penetrating through the wires into the LED strip
- Outdoor use possible: UV and salt mist resistant (UV acc. to ISO 4892-2 - Method A, salt mist acc. to IEC 60068-2-52 severity 1)

Safety Certifications

More Technical Data

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter: 7 W ... 21 W
- Type of protection IP66/IP67 | IP66/IP68 | IP67
- Color rendering index Ra: 80 | 90
- Color temperature: 2300 K ... 6900 K
- Luminous flux per meter: 340 lm ... 1050 lm
- Length: 4000 mm ... 10000 mm
- Length – smallest unit: 50 mm
- Beam angle: 120 °
- LEDs per meter: 140

Advantages

- IP68 protection with high performance silicone
- Reliable connection over long periods of time: IP67 connector with built-in protection against liquids penetrating through the wires into the LED strip
- Outdoor use possible: UV and salt mist resistant (UV acc. to ISO 4892-2 - Method A, salt mist acc. to IEC 60068-2-52 severity 1)

Safety Certifications

More Technical Data

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter. 18.0 W
- Type of protection: IP67
- Color rendering index Ra: RGB
- Color temperature. 4000 K
- Luminous flux per meter: 170 lm
- Length: 5000 mm
- Length – smallest unit: 100 mm
- Beam angle: 120 °
- LEDs per meter: 70

Advantages

- Pastel colours thanks white LED with good color rendering (4000K)
- Long lifetime: 50.000 hours

Safety Certifications

CE

More Technical Data

Product Features

- Nominal voltage: 24 V
- Nominal wattage per meter. 18.0 W
- Type of protection: IP67
- Color rendering index Ra: RGB
- Color temperature. 4000 K
- Luminous flux per meter: 170 lm
- Length: 5000 mm
- Length – smallest unit: 100 mm
- Beam angle: 120 °
- LEDs per meter: 70

Advantages

- Pastel colours thanks white LED with good color rendering (4000K)
- Long lifetime: 50.000 hours

Safety Certifications

CE

More Technical Data

Product Features

- LED chain comprising up to 40 LED modules connected by flexible cables
- Each LED module contains 2 or 4 LEDs (XL model)
- LED module pitch variable between 60 and ~ 200 mm
- Compatible with OPTOTRONIC constant voltage drivers / dimmers
- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT and color options available
- IP66 rating
- Lifetime (L80/B10): 50,000 h (temperature at Tc = 70 °C)
- 5-year warranty @ Ta = 70 °C

Advantages

- High module efficacy: up to 135 lm/W
- Uniform light pattern design for 60-200 mm lightbox depth
- Backside injection technology for high protection level
- Energy saving with high efficacy
- Flammability rating at V0

Safety Certifications

More Technical Data

BackLED CP G5 M:

BackLED CP G5 L:

BackLED CP G5 XL:

Product Features

- Color consistency in 3 SDCM
- Diffusive Optics technology
- Wide CCT options available
- IP66 Rated

Advantages

- High module flux output up to 80 lm (M-model) and 162lm
- (L-model)
- 5 year warranty
- Wide beam angle for high uniformity
- Good solution to reduce system cost

Safety Certifications

More Technical Data

BackLED CX G5 M:

BackLED CX G5 L:

BackLED Area Tunable White

Product Features

- 24 V constant voltage LED modules
- Tunable white 2700K-6500K for dynamic white applications
- Color rendering index Ra: 90
- Constant LED pitch even at board interconnections
- Cuttable, single board for an exact fit in any installation
- Product only compatible with DALI DT8 drivers (TW) or BLE devices with TW lamp profiles

Advantages

- Provides homogenous light suitable for application in area luminaires
- Quick and easy mounting thanks to plastic holder
- Easy wiring with push-in connectors
- Low energy consumption and less heat generation
- Optimal operation on OPTOTRONIC® 24VDC and 24VDC dimmable power supplies

Safety Certifications

CE

More Technical Data

Product Family Features

- Constant Voltage: 12V (XS & L models), 24V (M model)
- Single bin LEDs for all CCTs
- Chain up to 32 linear LED modules
- Connected with flexible cables
- Maximum length of one chain: 9.80 m (M), 5. 80 (XS), 4.50 m (L)
- Type of protection (modules): IP66

Safety Certifications

Product Family Advantages

- Modules are compatible with BoxLED mounting profile
- Uniform illumination thanks to optimized elliptical lenses
- Several options for quick and simple mounting: screwing or snap-in
- Excellent module efficacy
- Consistent white light (Standard Deviation of Color Matching SDCM: 3)
- Dimming capability: 1…10 V, DALI and DMX methods
- Very long lifetime: up to 50,000 h (L70/B50)
- 5 year guarantee

Product Name	EAN
BX-L-CP-765-G5	4062172368940
BX-L-CP-840-G5	4062172369169
BX-M-CP-865-G5	4062172369183
BX-M-CP-840-G5	4062172369206
BX-M-CP-830-G5	4062172369220
BX-XS-CP-865-G5 BT1	4062172386487
BX-XS-CP-840-G5 BT1	4062172386500
BX-XS-CP-830-G5 BT1	4062172386524

More Technical Data

BX L CP G5: **BX M CP G5:** **BX XS CP G5:**

Version: AL2505-128-EN

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