inventronics

OSRAM Portfolio

PRODUCT CATALOG

With the recent acquisition of OSRAM Digital Systems business in Europe and Asia, Inventronics is now a new global leader in the lighting industry.

This merger of two industry powerhouses brings together our collective expertise and enables us to offer a very broad range of products, system solutions and services.

We offer LED-based lighting components for various application areas, such as indoor, outdoor, office, hospitality, retail, industry, residential and horticulture lighting.

Contents

1 LED Light Engines and Modules

2 LED Drivers

3 Light Management Systems

LED Light Engines and Modules

The advent of LEDs in the lighting industry has created unlimited freedom in light source design, thus enabling luminaires that have been unthinkable before. With our comprehensive portfolio of LED light engines and modules, our market expertise and uncompromised quality, we make our customers more successful in their businesses.

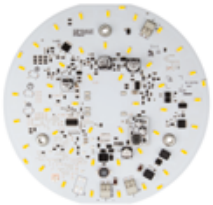
Round

Our round LED light engines and LED modules are suitable for a wide variety of applications that range from decorative spotlighting in the retail sector and downlighting or wall lighting in hotels, restaurants and offices to functional lighting in corridors or other peripheral areas of public and commercial buildings.

PrevaLED Core
LED modules ideal for spot- and downlights

PrevaLED Cube AC
Mains-voltage-driven light engines with integrated light control gear for compact luminaire designs

PrevaLED COIN
LED modules with integrated optics and heat sink for easy installation and/or quick replacement



PrevaLED Flat AC
All-in-one solution for flat and highly diffuse wall-mounted or ceiling-mounted luminaires

LED Spot Modules
Dimmable LED spot modules with connection cable, integrated optics and a narrow beam angle

Accessories
Various mounting rings, covers and optical lenses for our round LED modules and light engines

Linear and Area

Our linear and area LED modules are available in many different lengths, sizes, luminous fluxes and color temperatures. This extremely wide range of products ensures great luminaire design flexibility for excellent general lighting – for example in offices or retail, but also in the healthcare, education or industrial sectors.

Linear LED Modules
Perfect e. g. for recessed, surface-mounted, pendant or batten luminaires as well as trunking systems

Area and Bar LED Modules
For quick and easy integration, e.g. in rectangular or linear office, corridor or industrial luminaires

Accessories
Get everything from mounting brackets to end caps, from linear diffusers to clear optical lenses

Outdoor

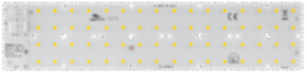
With an average service life of up to 100,000 hours, our high-performance PrevaLED BRICK family of LED modules combines compact design with efficiency and durability. Their high light output makes them ideally suitable for a broad range of outdoor applications, including street, urban, area, industrial, highbay and floodlighting for sports and industrial facilities.

PrevaLED BRICK HP
LED modules for outdoor and street lighting, available in six different color temperatures (2200 - 6500 K)

PrevaLED BRICK HP IP
Compatible to optics with IP solution, available in four different color temperatures (2200 - 4000 K)

PrevaLED BRICK HP Z2
High-performance LED modules for outdoor, area, industry and street lighting with up to o 176 lm/W

PrevaLED BRICK HP HE
These high power/high efficiency LED modules offer a decisive plus in terms of higher energy efficiency

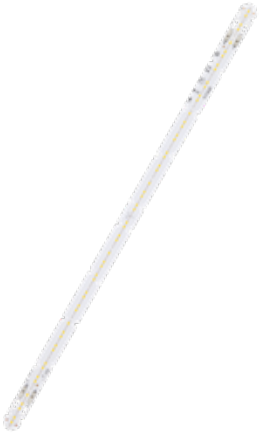


PrevaLED BRICK MP
For powerful highbay and area lighting with 64 LEDs per module and a luminous flux of up to 5470 lm

Horticulture

In horticulture applications, LED luminaires must be especially powerful, efficient and robust to meet the demanding requirements of this highly competitive industry, such as healthy plant growth and high yields. Our Planta Seed BRICK and Planta Seed LINEAR LED modules are optimally designed to meet these challenges.

Planta Seed BRICK
These modules come with an efficacy of up to 3.6 µmol/J and enable customized horticulture solutions



Planta Seed LINEAR
Special-purpose linear LED modules for fresh food counters lighting as well as greenhouse applications

Flexible LED Strips for Individualized Applications

Optimally designed to meet the demands of sophisticated lighting projects, our flexible LED strip solutions enable highly individualized applications, e. g. for the hospitality and retail industries. They bring homogeneous light into narrowest coves and perfectly illuminate every space with a large selection of light colors.

Premium LED Modules 17
Functional LED Modules 19
Basic LED Modules 21

Special solutions

For more information about special solutions with flexible constant voltage LED modules, please see the following chapters:

Dotless Solutions 25
Grazing Solutions 31
Backlighting and Advertising 35

London
New York
Tokio
Berlin

Premium LED Modules

Our LINEARlight FLEX family of premium LED strips for high-end applications comes with a wide range of useful features and benefits. They are the best choice for representative and prestigious applications, enabling the design of professional and durable LED lighting systems, from monochrome white light to Colormix and Tunable White solutions.

White

LINEARlight FLEX IP00
Broad range of LED strips for indoor use, incl. Low Power, High Power, Uniformity and Infinite versions

LINEARlight FLEX Protect
LED strips protected by high-performance silicone for long service life (IP68)

Colormix

LINEARlight FLEX Colormix IP00
LED strips with multichip RGB LEDs and easy mounting on smooth surfaces via adhesive tape

LINEARlight FLEX Colormix Protect
Colormix LED strips protected by high-performance silicone for long service life (IP68)

Tunable White

LINEARlight FLEX Tunable White IP00
LED strips with white light color temperature adjustable from 2200 up to 6500 K (CRI 80)

LINEARlight FLEX Tunable White Protect
Tunable White LED strips protected by high-performance silicone for long service life (IP68)

Functional LED Modules

Enabling monochrome white light, Colormix applications as well as Tunable White lighting solutions, our TEC Flex family of functional LED strips for professional use comes with a clever selection of helpful features and benefits.

White

TEC Flex IP00
Shortpitch, low power and high power LED strips with a luminous flux of up to 2000 lm/m

TEC Flex Protect
Shortpitch, low power and high power LED strips with IP66

Colormix

TEC Flex Colormix IP00
LED strips for indoor use with uniform color changing, pre-wired for quick installation

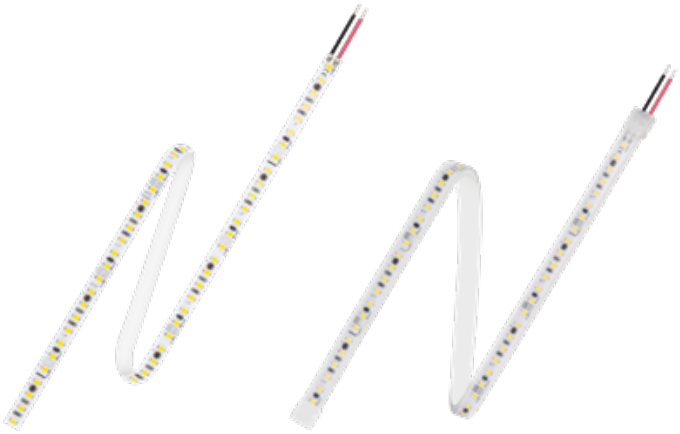
Tunable White

TEC Flex Tunable White IP00
LED strips with white light color temperature adjustable from 2700 to 6500 K

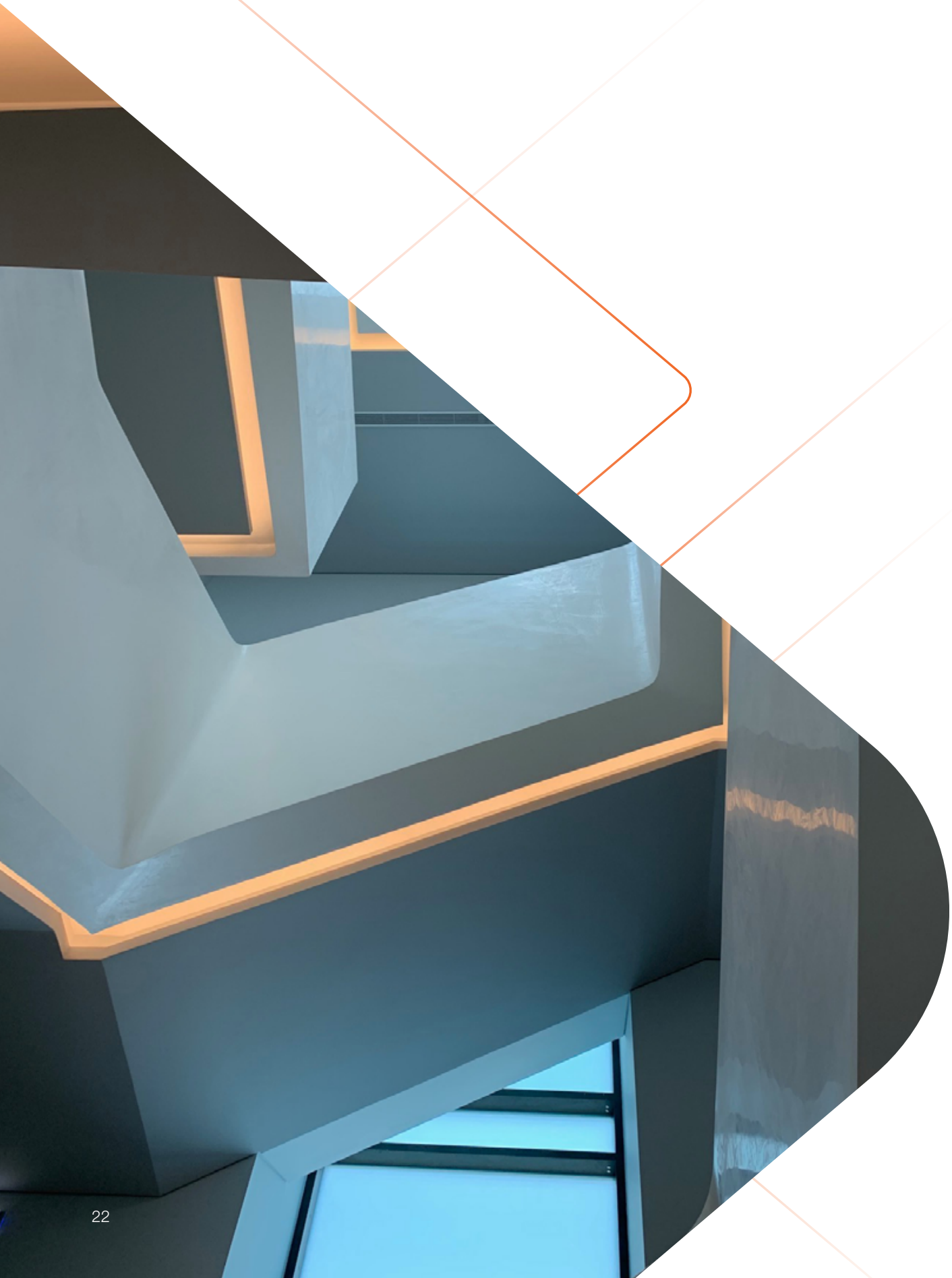
TEC Flex Tunable White Protect
LED strips for Tunable White applications with IP66

Basic LED Modules

Not every application necessarily has to be a high-end solution. That's why entry-level LED strips are also part of our extensive product portfolio. They combine flexibility and efficiency with a set of useful basic features, giving you high quality for simple lighting solutions.



BASIC Flex
Two versions: Shortpitch IP00 and Protect Shortpitch, both available in warm white or neutral white



Profiles

Connection Systems

Profiles and Connection Systems

Our plug-and-play LED strips can be supplemented with helpful accessories for different applications, for example with connectors, different profiles and light-directing covers.

Profiles

Surface-Mounted Profiles
A wide selection of profiles for professional surface, corner and round corner installation of LED strips

Recessed Profiles
Our recessed profiles for LED strips come in three sizes and enable elegant flush-mounted solutions

Connection Systems

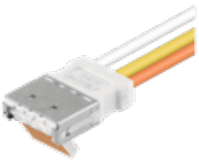
White 2pin Flexible LED Strips Connector

White 2pin LINEARlight FLEX IP67 Connector

TEC Flex Protect IP66 Connector

RGB 4pin LINEARlight FLEX IP67 Connector

RGB 4pin Flexible LED Strips Connector



Tunable White 3pin Flexible LED Strips Connector

Dotless Solutions

Today's cutting-edge LED technologies not only offer an unprecedented range of possible applications, but also provide very high light quality. Our dotless solutions enable sophisticated, shadow-free lighting designs with elegant accents that create pleasant atmospheres, e. g. in the hospitality and retail sectors.

Premium LED Modules 27
Functional LED Modules 29

Premium LED Modules

Our LINEARlight FLEX Diffuse LED strips are perfect for decorative lighting in high-end applications. Bending either to the side or to the top, these flexible modules offer very homogeneous light distribution. They can be easily adapted to curved architectural shapes, thus creating particularly harmonious lighting effects.

LINEARlight FLEX Diffuse Top
Dimmable and cuttable, made from high-performance silicone (IP68), which also enables outdoor use

LINEARlight FLEX Diffuse Side
Dimmable and cuttable, made from high-performance silicone (IP68), which also enables outdoor use

LINEARlight FLEX Diffuse Profile System
Depending on the type of installation, these aluminum profiles are available in bendable or rigid versions

LINEARlight FLEX Diffuse IP67 Connector
This IP67-protected power feeder can be connected to the front of the module or at division points

Functional LED Modules

Enabling monochrome white light, Colormix applications as well as Tunable White lighting solutions, our GINOLED FLEX Diffuse family of functional LED strips for professional use comes with a clever selection of helpful features and benefits.

White

GINOLED FLEX Diffuse Top
This super-slim LED strip comes with IP67 protection for outdoor application

GINOLED FLEX Diffuse Side
This super-slim LED strip comes with IP67 protection for outdoor application

Colormix

GINOLED FLEX Diffuse Colormix Top
RGB colormix LED strips with IP67 protection for outdoor application and a length of up to 8 m

Tunable White

GINOLED FLEX Diffuse Tunable White Top
TW LED strips with IP67 protection, available in different lengths of up to 5 m

GINOLED FLEX Diffuse Tunable White Side
TW LED strips with IP67 protection, available in different lengths of up to 5 m

Grazing Solutions

Decorative lighting plays an increasingly important role in architectural design. With our LED-based wallwashing and wallgrazing solutions, you can create lighting effects that accentuate architectural details, highlighting contours and shapes in an aesthetically appealing way – both indoors and outdoors.

Premium Rigid LED Modules 33
Premium Flexible LED Modules 33

EXTRABANCA
BANCOMAT
CHANGE
Binate
PIACENZA
PAVIA
EXTRABANCA

Rigid LED Modules

Flexible LED Modules

Premium LED Modules

LINEARlight Rigid FINESSE is our premium line of LED modules for powerful and stylish architectural lighting. This innovative system is the ideal solution for fascinating presentations of classic and modern buildings as well as historic landmarks.

Rigid LED Modules

LINEARlight Rigid FINESSE
These lighting systems can be mounted on a surface or disappear into recessed ceilings or light coves

LINEARlight Rigid FINESSE InGround
These IP67/IK09-protected lighting systems can be built into indoor floors as well as outdoor pavements

LINEARlight Rigid FINESSE – Accessories
Large range of accessories, incl. wall arms, metal clips, pendant installation kits, power cables, terminals etc.

Flexible LED Modules

LINEARlight Flex BACKBONE 3D
Bendable sideways as well as upwards and downwards: 3D-flexibility for maximum creative freedom

Backlighting and Light Advertising

Our LED solutions for backlighting and light advertising combine outstanding performance and efficiency with high recognition values. The signage designs that are possible with our BackLED and BoxLED modules provide excellent customer guidance and help companies attract attention to their products and services.

BackLED 37
BoxLED 39

فاشن أفنيو
دبي مول
FASHION AVENUE
THE DUBAI MALL
2

BackLED

Designed for direct backlighting of flat and slim installations, our versatile BackLED family of LED modules is ideally suitable for a wide range of applications – from channel letters to backlighting of single and double-sided light boxes and from city light posters to billboards, illuminated indoor walls and ceilings.

BackLED
Flexibly configurable backlighting modules with different wattages, color temperatures and lenses

BackLED TW
With patented Square Lens technology and IP66 rating, color temperature adjustable from 2700 to 6500 K

BackLED RGBW Plus
With dimmable, robustly encapsulated LED modules (IP66) for dynamic color-changing light effects

BackLED Area
Cuttable LED boards for area luminaires, available in three white light color temperatures or TW version

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BoxLED

Developed for side injection into single-sided or double-sided light boxes, our BoxLED family of LED chains provides uniform light distribution thanks to elliptical optics. Depending on the size of the light boxes and the required amount of light, the modules can be placed on one, two, three or all four sides of the box.

BoxLED M CP
Chain of 32 linear LED modules, connected with flexible cables (max. length: 9.8 m)

BoxLED L CP
Chain of ten linear LED modules, connected with flexible cables (max. length: 4.5 m)

BoxLED XS Plus
Extremely slim chain of 32 linear LED modules with three LEDs per module, IP66/68

BoxLED M Plus
Chain of 32 linear LED modules with optimized lenses for uniform illumination

Accessories for Backlighting

Our high-quality LED backlighting technologies come with a well-thought-out selection of perfectly matched accessories. Whether you want to build light boxes, channel letters, city light posters, billboards, illuminated walls or ceilings, our portfolio always provides you with the right solutions.

BackLED CP – Mounting Profile

BackLED CP – Wire Clip

BoxLED CP – Mounting Profile

BackLED Area – Holding Bar

BoxLED CP – Wire Clip

LED Drivers

With a wide range of LED drivers, we provide you with individual LED solutions for your multifaceted lighting projects. Our LED drivers are known for their high performance and efficiency, offering you enormous flexibility for the design of LED luminaires. Whether it's for indoor or outdoor settings, round, compact or linear luminaires, general or accent lighting.

Driver Selector & Digital OT-Poster

With our Driver Selector & Digital OT-Poster, you can easily find your desired LED driver and create your individual driver overview by selecting the product families, operating data, functions and applications. Or simply filter by attributes for your needs – always with the latest product portfolio.

Constant Current Linear – Indoor

Designed for high-performance lighting systems, these LED drivers are especially suitable for professional indoor solutions. Their linear shape makes them ideal for integration into linear LED luminaires, e.g. in offices, public buildings, industrial or educational institutions.

Constant Current Linear + Area – Dimmable
Discover a wide selection of dimmable OPTOTRONIC wired and wireless as well as ICUTRONIC drivers

Constant Current Linear + Area – Non dimmable
Our OPTOTRONIC FIT, ICUTRONIC FIT and ELEMENT FIT driver families for a wide range of applications

Constant Current Compact – Indoor

Thanks to their compact form factor, these constant current LED drivers are ideally suited for unobtrusive integration into compact and elegant luminaires or lighting track systems, all of which are becoming increasingly popular in the hospitality and high-end retail industries, for example.

Constant Current Compact – Dimmable
Here you will find our portfolio of dimmable, compact OTi and IT, wired or wireless, and OT Phase-cut drivers

Constant Current Compact – Non dimmable
On/off LED drivers for compact lighting solutions, incl. OT FIT, IT FIT and ELEMENT product families

Schule
tad steht, Kind geht.

Constant Current – Outdoor

With long average lifetimes of up to 100,000 hours, these robust constant current LED drivers are ideally suited for demanding application conditions, e.g. in industrial, urban and street lighting. In addition to their robust design, some of these drivers have a DEXAL interface or up to four different dimming modes.

Constant Current Outdoor – Dimmable
This range of LED drivers includes OT DEXAL, OT 1DIM/2DIM/4DIM as well as ICUTRONIC DALI models

Constant Current Outdoor – Non dimmable
Straightforward on/off LED drivers for industrial or urban/street lighting.

Berlin

Constant Voltage – Indoor

Constant voltage LED drivers are particularly suitable for lighting systems that are operated with safety extra-low voltage, such as LED strips for accent lighting or LED chains for backlighting. These devices are easy to install and ideal for use, e.g. in hospitality, retail, residential, signage or architectural lighting.

Constant Voltage – Dimmable
Our dimmable 24V power supplies are suitable for a wide range of indoor (and some outdoor) applications

Constant Voltage – Non dimmable
Our non dimmable 12 or 24V power supplies include OPTOTRONIC, ICUTRONIC FIT and ELEMENT models

Constant Voltage – Dimmers
Choose the dimming method from our one- or multi-channel dimmers with Bluetooth, DALI, DMX or 1...10V

Constant Voltage – Outdoor

Our constant voltage LED drivers are designed for combination with corresponding constant voltage LED modules for outdoor areas. They are particularly easy and safe to install. Characterized by their robust design, these drivers are especially suitable for applications with demanding environmental conditions.

Constant Voltage – Dimmable
These devices come with an ingress protection rating of IP66/IP67 and are dimmable via DALI or 1...10V

Constant Voltage – Non dimmable
Choose from a selection of non dimmable 12 or 24V power supplies, from the OPTOTRONIC and OT FIT models

Home
BLE is enabled
OT 40/170-240/1A0 1DIMLT2 G1 CE
GTIN: 4052899517424
Basic Code: AM08361
CHOOSE AN ACTION
Light Output
Dimming
Copy/Paste
Service Key

Programming Tools and Accessories

One of the many advantages of modern LED lighting solutions is that they can be precisely programmed to match a broad range of application requirements, thus fulfilling specific customer and/or end user demands. With our programming tools and other well-designed accessories, we help you to develop successful lighting solutions that will reliably serve their purposes for many years to come.

Programming Tools and Accessories – Indoor
PC interfaces (indoor)

Programming Tools and Accessories – Outdoor
PC interfaces (outdoor)

OPTOTRONIC Cable Clamp
Easy to install with captive, pre-fixed screws, ideal for independent mounting

OPTOTRONIC Track Accessories
Accessories for track-mounted LED drivers, for quick and easy installation (color matches driver housing)

EBN-OS
This inrush current limiter increases the maximum number of operating devices per circuit breaker enormously

Surge Protection Devices
Our SPD /275/ D, SPD G2 and SPD P5 G2 effectively protect your lighting system from overvoltage pulses

Light Management Systems

Our light management systems are available in a wide variety of designs – from small sensors and simple dimmers to high-performance central controllers that allow our customers to easily manage the lighting of complete floors or even entire buildings. But regardless of their size, they all have one thing in common: They help their users to save energy, CO_2 and costs in a very convenient, flexible and efficient way.

Stand-alone Sensors

Using our stand-alone sensors in combination with our control systems can achieve energy savings of up to 50 %. With HIGH BAY and VISION, the lighting system is only switched on if the sensors detect motion in the room. OSENZA Office additionally detects presence. It also measures the incoming daylight and, if necessary, supplements it with artificial light.

HIGH BAY
Motion sensor with switching contact, detects people and vehicle movements, e.g. in production halls

VISION
Motion sensor for large areas (open-plan offices, corridors, storage rooms), standby consumption 0.25 W

OSENZA Office
Very slim light and motion sensor (for single offices, corridors, storage rooms), presence detection via PIR

PCU/MCU

Installed in a flush-mounted box and connected to the AC power supply, these simple dimming devices can control up to 25 luminaires with the integrated DALI supply. The DALI PCU TW G2 allows controlling DALI control gears via standard pushbuttons. The digital rotary dimmer DALI MCU has tactile detents so that brightness can be fine-tuned in individual steps.

DALI PCU TW G2
For manual dimming, switching and TW operation, combinable with presence and motion detectors

DALI MCU TW G2
Rotary dimmer for manual dimming, switching and TW operation, easy human-centric lighting solution

DIM MCU G2
Rotary dimmer for manual dimming and switching, e.g. for office, hospitality or retail applications

OSRAM
DALI ACU BT
RESET
Designed and engineered in Germany
Made in Hungary
wire preparation
OSRAM GmbH
Berliner Allee 65
86153 Augsburg
Germany
www.osram.com
t_c=70°C
t_a=-20...+60°C
5.0 - 6.0mm
220-240V~
50/60Hz: 22mA
96mA
DA+ DA- N L

DALI ACU BT

With its Bluetooth interface, the DALI ACU BT controller is ideally suited for the lighting control of small and medium-sized DALI installations via smartphone. The control unit supports standard white and Tunable White light luminaires according to DALI device type 8 (DT8), e. g. for offices, conference rooms and training rooms as well as for retail lighting.

Controller
DALI ACU BT enables intuitive dimming, switching and TW operation via pushbutton or smartphone

Sensors
A broad range of light sensors, presence detectors and other devices for energy saving

DALI Coupler
DALI-2-certified pushbutton coupler for flush-type installation, e.g. in offices, conference rooms etc.

DALI ECO

DALI ECO BT

DALI ECO BT RTC

DALI ECO, DALI ECO BT and DALI ECO BT RTC

This family of cost-efficient light management systems offers a wide range of operation possibilities for intelligent energy-saving solutions. DALI ECO allows simple switching and dimming as well as daylight-dependent control and presence detection via sensors. With DALI ECO BT, standard or Tunable White LED drivers can be controlled via smartphone/ Bluetooth, enabling lighting scenes with different color temperatures, luminaire grouping and more. And thanks to the integrated real-time clock, DALI ECO BT RTC offers state-of-the-art human-centric lighting (HCL) applications.

DALI ECO

Controller
DALI ECO for daylight-/ presence-dependent control, DALI ECO Swarm Adapter for wireless synchronization

System Components
Additional system components such as sensors, couplers and user interfaces can be found with the respective product

DALI ECO BT

Controller
DALI ECO BT allows lighting control via sensors and pushbuttons, as well as via Bluetooth smartphones

DALI ECO BT RTC

Controller
DALI ECO BT RTC with integrated real-time clock, suitable for human-centric lighting (HCL) applications

HubSense

With user-friendly software packages, the innovative and extremely flexible HubSense system can be adapted to lighting installations of any size – in new as well as in existing buildings. Quickly installed and easily commissioned, this scalable wireless control system enables end users to interact with their lighting system via the individually customizable HubSense end user app or wireless pushbuttons.

User Interfaces
EASYFIT Bluetooth switch, e.g. for offices, stairways etc., HubSense PB coupler for pushbutton control

Sensors with Controller
High-quality sensor technology based on the proven Qualified Bluetooth Mesh communication protocol

Converters
QBM DALI CONV LI and QBM DALI EL-T work with HubSense, suitable for up to 32 DALI-2 LED drivers

Compact LED Drivers
OTi QBM NFC S and OTi QBM NFC I work with HubSense, offering high-quality 1...100 % dimming and more

More information

DALI PROFESSIONAL

Our flexible DALI PROFESSIONAL controller is ideal for areas with up to 256 light points. By interconnecting up to four controllers, areas with up to 1024 light points can be controlled. It supports DALI drivers, Tunable White, RGB, RGBW and more. DALI PROFESSIONAL is optimized for energy saving with OSRAM-brand sensors. In addition, an integrated app configurator enables individual control by multiple users.

Controllers
DALI PRO CONT-4 RTC – a powerful light management system with a wide range of features and benefits

Sensors
A broad range of light sensors, presence detectors and other devices for energy saving with DALI PROFESSIONAL

User Interfaces
DALI PROFESSIONAL pushbutton coupler, designed specifically for professional lighting installations

Actuators
The DALI Switch SO is a flexible, non-system-specific signal converter for use with all DALI control units

Converters and Repeaters
DALI REP LI and DALI REP SO let you expand your DALI lighting control system by up to 64 ECGs

More information

DALI PRO 2 IoT

DALI PRO 2 IoT is the innovative LMS control technology for the IoT age. DALI-2 certified and featuring a controller for two DALI lines as well as a built-in gateway, it meets all of today's requirements for professional and efficient light management. Thanks to its browser-based graphical user interface, commissioning the system is as fast and easy as never before.

Controllers
DALI PRO 2 IoT: DALI-2-certified, IoT-ready controller with a built-in gateway for remote data access

Sensors
A broad range of light sensors, presence detectors and other devices for energy saving with DALI PRO 2 IoT

User Interfaces
DALI-2-certified pushbutton coupler for flush-type installation, e.g. in offices, conference rooms etc.

Actuators
The DALI Switch SO is a flexible, non-system-specific signal converter for use with all DALI control units

Converters and Repeaters
DALI REP LI and DALI REP SO let you expand your DALI lighting control system by up to 64 ECGs

More information

DALI-2 Components

The DALI-2 protocol is the result of a number of revisions of the DALI standard. Adding new features and introducing standardization of control devices while maintaining backwards compatibility, DALI-2 offers significant improvements in interoperability. The following components comply with the DALI-2 protocol.

Sensors
A broad range of DALI-2-certified light sensors, presence detectors and other devices for energy saving

User Interfaces
DALI-2-certified pushbutton coupler for flush-type installation, e.g. in offices, conference rooms etc.

Touch DIM

The Touch DIM function makes it possible to switch and dim the control gear directly with line voltage via standard pushbuttons. Additionally, it can be combined with a sensor to enable daylight harvesting and presence detection. The main features can be directly adapted in the driver via the Tuner4TRONIC software.

Sensors
LS/PD LT2 LI UF with LEDset interface and Touch DIM LS/PD LI light/presence sensors, ideal for single luminaires

Use our contact form

www.inventronics-light.com/contact-us

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Inventronics GmbH 03/24 Technical changes and errors excepted.