DALC NET

catalogue 2026/27

Analog DALI 2 DMX RDM CASAMBI

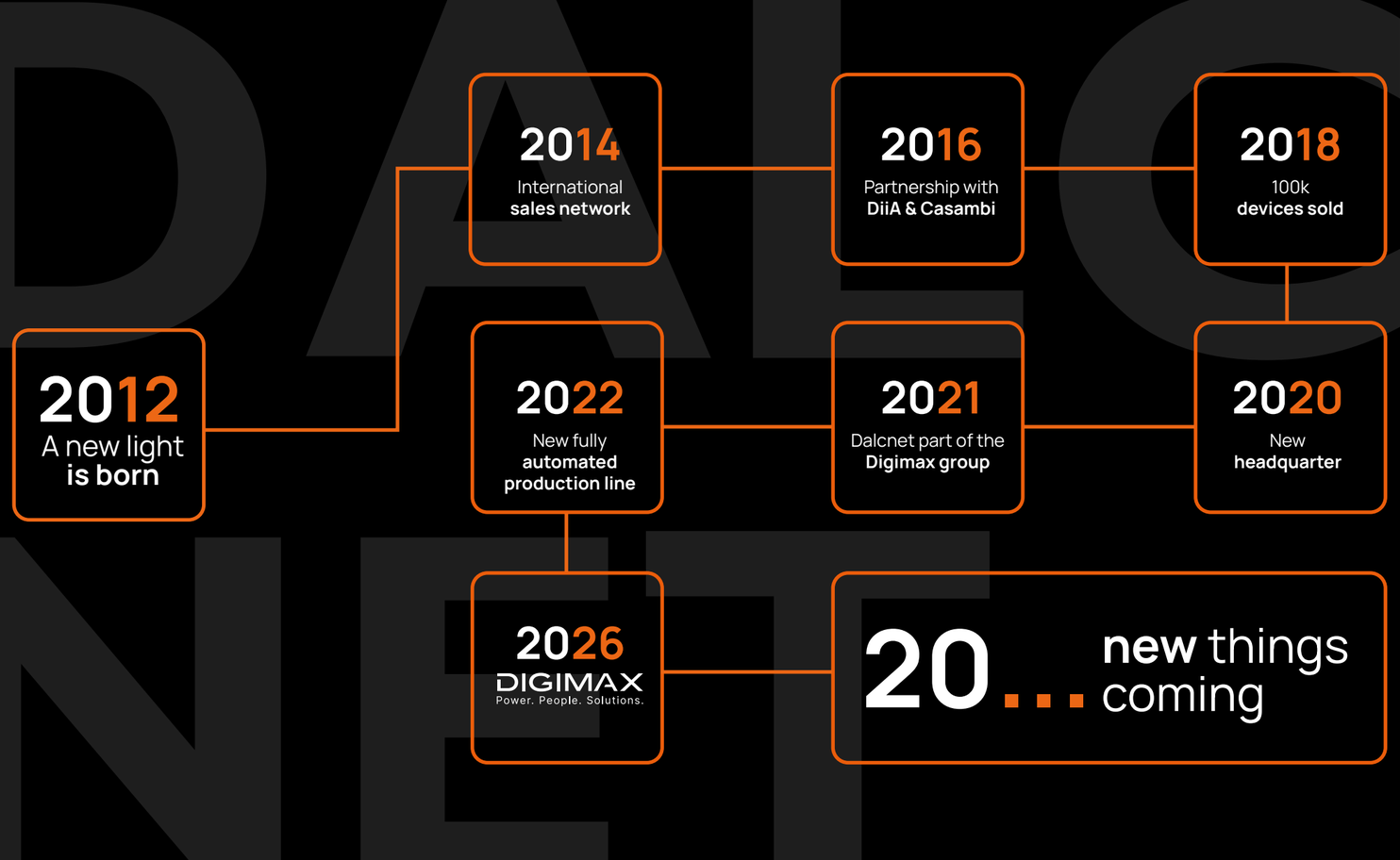
Advanced solution for the lighting control

Dalcnet is a dynamic and fast-growing Italian company specialized in crafting top-tier integrated lighting solutions. From the headquarters in Italy, every step of the production process is meticulously overseen, from design and development to manufacturing.

The extensive product line caters to professional lighting control, with a particular emphasis on low-voltage dimmers, including constant voltage and constant current options, as well as a wide selection of converters and phase-cut AC dimmers
The commitment to keeping production in-house grants unparalleled flexibility and premium quality products.

This empowers the possibility for the company to effortlessly accommodate custom OEM projects while maintaining the superior quality standards that have become our hallmark over the years due to the reliability and longevity of the devices.

The current range allows to cover the majority of applications and needs of many different lighting scenarios working through the most popular protocols like Dali, DMX, CASAMBI, MODBUS. Thanks to the expertise gained over the year in protocol integration, the offer is further enriched by an extensive range of gateways, facilitating seamless integration of diverse technologies within projects.



WHY CHOOSE US

- **Made in Italy** design, development and production
- High **quality** products and long-term **reliability**
- Continuous research **& development** activities
- **Compatibility** with the most common protocols
- Large **stock** of products
- Technical **assistance** and **post-sales** support
- Development of **customized** solutions
- **Ease** of **use** of devices

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Push button, 0-10, 1-10, potentiometer

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Analog

Push button, 0-10, 1-10, potentiometer



LIGHT APP

SETTINGS AVAILABLE ON LIGHTAPP

Dimming Curve
Min/max level
PWM frequency
Fade time
Dimming speed
Static scenes
Dynamic scenes
Switch/sensor behavior
And others

MINI-1CV

- Single channel
- Input: 12-48 V
- Output: 12 A
- Configurable PWM frequency from 300 Hz to 4kHz
- Push button input
- LightApp configuration
- Size: 44x57x25mm



LINE-5CV

- Five channels
- Input: 12-48 V
- Output: 5 x 5 A (Total max 12 A)
- Configurable PWM frequency from 300 Hz to 4kHz
- 2 x Configurable Push Button
- Inputs
- Screwless cable cover
- Size: 186x29x22 mm



LINE-4CC

- Four channels
- Input: 12-48 V
- Output: 4 x max 900mA
- Constant current level configurable on LightApp
- Configurable PWM frequency from 300 Hz to 3,4kHz
- 2 x Configurable Push Button Inputs
- Screwless cable cover
- Size: 186x29x22 mm

LIGHT APP

SETTINGS AVAILABLE ON LIGHTAPP

Dimming Curve
Min/max level
PWM frequency
Fade time
Dimming speed
Static scenes
Dynamic scenes
Switch/sensor behavior
And others



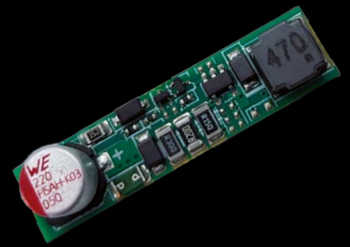
DLD1248-1CV

- DIN-Rail Single Channel
- Input: 12-48 V
- Output: max 8 A
- PWM frequency 300/600/1200 Hz
- Local Command N.O. push button / 0-10V / 1-10V / Potentiometer
- Size: 92x36x62mm



MICRO-1CV

- Super compact single channel
- Input: 12-48 V
- Output: 150 W/6.25A
- Synch input/output
- Push button input
- Size: 72x21x15mm



NANODRIVER-1CC

- Constant-voltage to constant current converter
- Input: 5V-24V
- Output: 350mA – 500mA – 700mA fixed or selectable
- Dimming PWM input frequency up to 4 kHz
- Less than 1% minimum smooth dimming
- Zero-Noise System
- Limited In-rush current
- Size: 33mm x 7mm x 8mm



MICRODRIVER-1CC

- Constant-voltage to constant current converter
- Input: 12V-48V
- Output: 350mA – 500mA – 700mA -900mA fixed or selectable
- Dimming PWM input frequency up to 4 kHz
- Less than 1% minimum smooth dimming
- Zero-Noise System
- Limited In-rush current
- Size: 41,6mm x 16.1xmm x 8mm

DALI 2

Digital Addressable Lighting Interface



MINI-1AC-DALI

- AC phase-cut dimmer
- Push button input
- Maximum power 300 W (LED)
- DALI2.0
- LightApp configuration
- Size: 44x57x25mm

LIGHT APP

SETTINGS AVAILABLE ON LIGHTAPP

Address
Dimming Curve
Min/max level
Power-on Level
System failure level
Fade rate – Fade time
Groups
Scenes
And others



MINI-1CV-DALI

- Single Channel
- Input: 12-48 V
- Output: max 10 A
- Configurable PWM frequency from 300 Hz to 4kHz
- DALI2.0
- Push button input
- LightApp configuration
- Short circuit protection
- Size: 44x57x25mm



SLIM-1CC-DALI

- Single Channel
- Input: 12-48 V
- Output current: up to 1,6 A
- Hybrid dimming
- DALI2.0
- LightApp configuration
- Size: 136x29x22mm



SLIM-2CV-DALI

- Two channels
- Input:12-48V
- Output: 2 x 5 A (Total Max 10°)
- PWM frequency 4 kHz
- Different profiles: DT8 Tc / 2xDT6 / 1xDT6 Dim-to-warm
- DALI2.0
- LightApp configuration
- Configurable Dim-to-warm
- Size: 136x29x22mm



LINE-5CV-DALI

- Five Channel
- Input: 12-48 V
- Output: max 12 A
- Configurable PWM frequency from 300 Hz to 4kHz
- DALI2.0
- DT8 RGBWA and DT6 profiles
- Short circuit protection
- LightApp configuration
- Size: 186x29x22 mm



DLD1248-1CV-DALI

- DIN-Rail Single Channel
- Input: 12-48 V
- Output: max 8 A
- PWM frequency 300/600/1200 Hz
- Local Command N.O. push button / 0-10V / 1-10V / Potentiometer
- Size: 92x36x62mm



DLD1248-4CV-DALI

- DIN-Rail Four Channels
- Input: 12-48 V
- Output: 5A x channel (max 20A
- TOTAL)
- PWM frequency 300/600/1200 Hz Profiles: 4W, Dim-to-warm, TW, 2x TW, RGB, RGBW, MRGB+, MRGBW+,
- Smart HSV Local Command N.O. push button /
- 0-10V / 1-10V / Potentiometer Size: 92x72x62mm



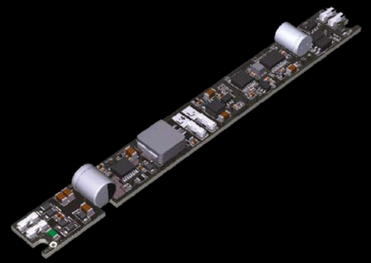
SLIM-DALI-REPEATER

- Input 24-48 Vdc
- DALI DT6 address to DALI Broadcast converter
- Galvanically isolated DALI output
- Integrated DALI PSU to control up to 64 DALI devices
- Size: 136x29x22mm



MICRO-1CV-DALI

- Super compact single channel
- Input 12-48 V
- Output: 150W/6.25A
- DALI2.0 & Push button input
- Size: 72x21x15mm



MINITRACK-1CC-DALI-HC

- Constant-current LED controller
- Input: 48V
- DALI2.0
- Hybrid Dimming
- Selectable current range 350mA – 1350 mA
- LightApp configuration



DMX RDM

Digital MultipleX lighting control



LINE-5CV-DMX

- Five independent channels
- Input: 12-48 V
- Output: 5 x 5 A (Total max 12 A)
- DMX-RDM Personalities : Indepen-dent channels, macrodimmer, TW, Dim-to-warm , SMART HSV RGB/ RGBW, MASTER RGB+ / RGBW+
- PWM frequency 4 kHz
- Screwless cable cover
- Size: 186x29x22 mm

LIGHT APP

SETTINGS AVAILABLE ON LIGHTAPP

DMX Address
Constant current level
Dimming Curve
PWM frequency
Min/max level
Power-on Level
Operating hours and power cycles
DMX Personality:
- Independent channels
- Macro channel
- Smart HSV RGB-RBGW-RGBTW
- Tunable White
- Dim-to-warm
- MRGB+ - MRGBW+



LINE-4CC-DMX

- Four independent Channels
- Input: 12-48 V
- Output current: from 150mA to 900mA
- PWM frequency 3,4kHz
- DMX-RDM Personalities: Indepen-dent channels, macrodimmer, TW, Dim-to-warm , SMART HSV RGB/ RGBW, MASTER RGB+ / RGBW+
- Size: 186x29x22 mm



DLD1248-1CV-DMX

- DIN-Rail Single Channel
- Input: 12-48 V
- Output: max 8 A
- PWM frequency 300/600/1200 Hz
- Local Command N.O. push button / 0-10V / 1-10V / Potentiometer
- Size: 92x36x62mm



DLD1248-4CV-DMX

- DIN-Rail Four Channels
- Input: 12-48 V
- Output: 5A x channel (max 20A TOTAL)
- PWM frequency 300/600/1200 Hz
- Profiles: 4W, Dim-to-warm, TW, 2x TW, RGB, RGBW, MRGB+, MRGBW+, Smart HSV
- Local Command N.O. push button / 0-10V / 1-10V / Potentiometer
- Size: 92x72x62mm



DLD1248-4CC-DMX

- DIN-Rail Four Channels
- Input: 12-48 V
- Output: 250 mA - 700 mA (50 mA step)
- PWM frequency 300/600/1200 Hz
- Profiles: 4W, Dim-to-warm, TW, 2x TW, RGB, RGBW, MRGB+,MRGBW+, Smart HSV
- Local Command N.O. push button / 0-10V / 1-10V / Potentiometer
- Size: 92x72x62mm



AIR-BRIDGE-DMX

- AC input
- DMX input/output
- Transmitter/receiver on the same device
- Configuration with jumpers and bluetooth app
- Lumenradio CRMX integrated technology
- Capable to trasmit a complete DMX universe
- IP67



SPLITTER 4CH-LE-DMX

- DIN-rail 4 way DMX splitter
- Input: 12-48 V
- DMX capabilities
- Size: 92x72x62mm



SPLITTER 4CH-RDM-LE-DMX

- DIN-rail 4 way DMX-RDM splitter
- Input: 12-48 V
- DMX-RDM capabilities
- Size: 92x72x62mm



CASAMBI

Wireless lighting control for the modern world



MICRO-1CV-CASAMBI

- Super compact sigle channel
- Input: 12-48 V
- Output: 150 W / 6.25 A
- Bluetooth 5.0 – Long range mode
- 2 x Configurable Push Button Inputs
- Size: 72x21x15mm



MINI-1CV-CASAMBI

- Single channel
- Input: 12-48 V
- Output: max 12 A
- PWM frequency 4 kHz
- Bluetooth 5.0 – Long range mode
- Configurable Push button input
- Size: 44x57x25mm



SLIM-1CC-CASAMBI

- Single channel
- Input: 12-48 V
- Output current: up to 1,6 A
- PWM frequency 3,4 kHz
- Bluetooth 5.0 – Long range mode
- 2 x Configurable Push Button Inputs
- Screwless cable cover
- Size: 136x29x22mm

- Lensvector version available



SLIM-2CV-CASAMBI

- Two channels
- Input: 12-48 V
- Output: 2 x 5 A (Total max 10 A)
- Profiles:Tunable white, Dim-to-warm, Indipendent channels
- PWM frequency 4 kHz
- Bluetooth 5.0 – Long range mode
- 2 x Configurable Push Button Inputs
- Screwless cable cover
- Size: 136x29x22mm



SLIM-2CC-CASAMBI

- Two channels
- Input: 12-48 V
- Output: Max 1,6 A total
- Profiles:Tunable white, Dim-to-warm, Indipendent channels
- PWM frequency 3,4 kHz
- Bluetooth 5.0 – Long range mode
- 2 x Configurable Push Button Inputs
- Screwless cable cover
- Size: 136x29x22mm



NOVA-4CV-CASAMBI

- Four channels
- Input:12-48V
- Output: 4 x 10 A (Total Max 40 A) @ 1,4 kHz PWM
- Output: 4 x 5 A (Total Max 20 A) @ 16 kHz PWM
- Output: 4 x 2,5 A (Total Max 10 A) @ 20 kHz PWM
- Configurable PWM frequency from 300 Hz TO 20kHz
- 4 x Configurable Push Button inputs
- Low profile DIN-rail form factor
- Size: 90x70x32mm



LINE-5CV-CASAMBI

- Five channels
- Input: 12-48 V
- Output: 5 x 5 A (Total max 12 A)
- Profiles: RGB, RGB+W, RGB+TW, RGB+2W, 2x TW
- PWM frequency 4 kHz
- Bluetooth 5.0 – Long range mode
- 2 x Configurable Push Button Inputs
- Screwless cable cover
- Size: 186x29x22 mm



LINE-4CC-CASAMBI

- Four channels
- Input: 12-48 V
- Output: 4 x max 900mA
- Constant current level configurable from the Casambi fixture
- Profiles: 4 channels, RGB, RGB+W, 2 x Tunable white
- PWM frequency 4 kHz
- Bluetooth 5.0 – Long range mode
- 2 x Configurable Push Button Inputs
- Screwless cable cover
- Size: 186x29x22 mm

CASAMBI ⇄ DALI 2



SLIM-CBU-DALI

- AC full range input
- Configurable Push Button Input
- 0-10V/1-10V output
- DALI output
- Integrated DALI PSU to control up to 64 devices
- Screwless cable cover
- Size: 136x29x22mm



CBU-DALI-GATEWAY

- Input: 12-48 V
- Configurable Push Button Input
- DALI2.0 certified
- Mulltiple profiles for controlling DALI networks
- DALI-to-Casambi gateway functionality
- Size: 92x36x62mm



CBU-MASTER-DALI-IP

- AC full range input
- DALI2.0 certified with integrated PSU
- Up to 64 DALI devices control via Casambi APP
- IP66 protection grade
- Size: 90x90x65mm

CASAMBI ⇄ DMX



CBU-MASTER-DMX-IP-V2

- AC full range input
- Output command: DMX
- DMX devices control via Casambi APP
- DMX-to-Casambi function
- IP66 protection grade – suitable for outdoor application
- Size: 90x90x65mm



CBU-DMX-GATEWAY

- Input: 12-48 V
- Configurable Push Button Input
- Mulltiple profiles for controlling DMX universe
- DMX-to-Casambi gateway functionality
- Size: 92x36x62mm



SLIM-CBU-DMX

- Input: AC Full range
- DMX output & input
- Up to 12 DMX channels control
- DMX-to-Casambi function
- Configurable Push button Input
- Size: 136x29x22mm



CBU-8PUSH

- Input: CR2032 battery
- 8x Configurable Push Button Inputs
- Possibility to control groups and animations
- Bluetooth 5.0 – Long range mode
- Size: 57x44x19



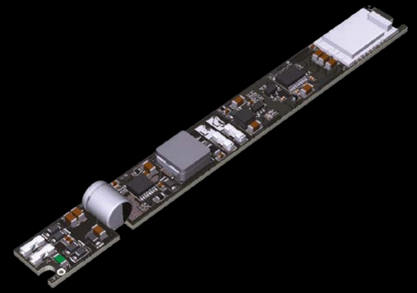
MINI-1AC-CASAMBI

- AC phase-cut dimmer
- Casambi control
- Configurable Push Button Input
- Maximum power 300 W (LED)
- Size: 44x57x25mm



MINI-1RL-CASAMBI

- Input: 110-220Vac / 12-24Vdc
- Casambi Relay control
- Configurable Push Button Input
- Maximum current 13 A
- Size: 44x57x25mm



MINITRACK-1CC-CASAMBI-HC

- Constant-current LED controller
- Input: 48V
- Casambi control
- Hybrid dimming
- Selectable current range: 350mA – 1350mA



TIMER-CASAMBI

- Input: 12-48 V
- Push button input
- Backup timer up to 24h also for scenarios, circadian profiles, etc.
- Bluetooth 5.0 – Long range mode
- Size: 57x44x25



CBU-SKYTIME-IP
CBU-SKYTIME-ZG

- Input: AC Full range (-IP) / 24 input (-ZG)
- IP67 version (-IP) and Zhaga Book 18 version (-ZG) Clock information collected from the satellites
- No need for internet connection, sim cards or battery backup



CBU-MASTER-DALI-ZG

- Zhaga Book 18 socket
- Input: DALI Bus powered
- DALI2 and D4i certified
- IP66 protection grade
- Size: Ø 50mm, height 50mm



CBU-MASTER-DALI-IP-SAL64/32/16

- Input AC full-range
- DALI2.0 certified with integrated PSU
- Up to 64 DALI devices control via Casambi APP
- IP67 protection grade
- Size: 90x90x65mm



Pixel to Pixel

Dynamic Led Control



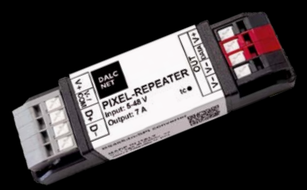
RUNNING-LIGHT-V2

- Input: 5-24V
- SPI output for up to 2000 pixels control
- Push Button & DALI input
- Multi-purpose extension interface (RS485 in/out)
- Configurable DMX-to-SPI profile
- LightApp configuration
- PIXEL-REPEATER compatibility for long distance connection
- Size: 136x29x22mm



RUNNING-LIGHT-CASAMBI

- Input: 5-24V
- SPI output for up to 2000 pixels control
- Push Button input
- Multiple effects controllable & configurable through the Casambi app
- PIXEL-REPEATER compatibility for long distance connection
- Size: 136x29x22mm



PIXEL-REPEATER

- RS-485 to SPI converter.
- Input: 5-48V
- Extend the RUNNING-LIGHT range up to 200meters of distance
- Size: 72x21x15mm



PIXEL-TILE-300-RGBW-12V

- SPI PIXEL-TO-PIXEL LED module
- N°100 Digital RGBW LEDs
- IC LED type: SK6805
- Input: 12 Vdc
- High-power 3000K White channel
- Alluminum PCB
- Size: 30x30x6mm

GateWays

Gateways and signal converters





DGM02-1248

- Input: 12-48 V
- Multiple lighting BUS control (DALI – DMX – Modbus)
- Multiple ethernet protocols input (Telnet – Artnet – sACN – Modbus TCP)
- DALI2.0 certified
- Integrated DALI PSU
- DT8 command supported
- DALI commissioning capabilities
- Stand-alone web interface
- Size: 92x72x62 mm



DGD-DMX-DALI
DGD-DALI-DMX

- Input: 12-48 V
- Multiple lighting BUS control (DALI - DMX)
- DGD-DMX-DALI convert only the first 64 DMX channels in 64 DALI addresses
- The DGD-DALI-DMX convert all 64 DALI addresses in 64 DMX Channels
- Size: 92x36x62 mm





TRUE OEM MODEL: HARDWARE + FIRMWARE CO-DEVELOPMENT



INDUSTRIALIZATION SPEED AND FLEXIBILITY



CERTIFIED QUALITY AND RELIABILITY

Supporting Integrators, OEMs and Lighting Manufacturers

DALCNET custom solutions are designed to support different stakeholders within the lighting ecosystem:

- **OEMs and luminaire manufacturers** gain access to embedded control electronics tailored to their products, without the need to develop internal expertise.
- **System integrators** benefit from simplified architectures and fully compatible control devices across multiple protocols.
- **Industrial and machine manufacturers** can integrate lighting control as part of a broader system, ensuring reliable communication and operation.

The engineering support extends across all phases of the project, from initial specification to post-sales assistance, enabling a collaborative development process based on real application needs.

Engineering Support and Technical Partnership

Beyond product development, DALCNET acts as a **technical partner.** The engineering team supports customers in defining system architectures, selecting the appropriate technologies and validating design choices.

Documentation, sample availability and direct technical interaction reduce uncertainty during the design phase. This is particularly critical in projects involving multiple protocols or complex integration scenarios.

The objective is not only to deliver a device, but to ensure that the entire system performs as expected.

Designed and Manufactured in Italy

All OEM solutions are developed and produced within DALCNET's controlled environment. This ensures **full traceability, consistent quality and direct control over the supply chain.**

Local production supports faster response times, predictable lead times and effective communication between design and manufacturing teams. For customers, this translates into reliability and transparency throughout the project lifecycle.



Dalcnet is pleased to accompany you on this journey through the world of lighting. With a wide range of innovative products and tailor-made lighting solutions, **Dalcnet** is committed to transforming environments and creating extraordinary lighting experiences.

From our dedication to quality and innovation to our focus on customer service, we are constantly striving to exceed our customers' expectations. With extensive experience in the industry and a passion for excellence, we are ready to meet the needs of designers, architects, installers, and individuals.

We take pride in offering cutting-edge products that not only illuminate spaces but also transform them into welcoming, functional, and aesthetically stunning environments. We are always ready to explore new challenges and collaborate with you to bring your boldest lighting projects to life.

Together, we can illuminate the future.
Thank you for choosing **Dalcnet** as your trusted partner in lighting.

THE LIGHTING CONTROL COMPANY



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