

NUVOLIGHT

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Nuvolight – Illuminating your business.

- **Universal** – We develop modern lighting solutions that are operated by a unique control system and enable a high degree of automation. We mainly rely on modern LED technology, whereby our control system also allows the integration of existing lighting systems.
- **Individual** – We are happy to tailor our lighting solutions to your specific requirements. Whether cinema, gastronomy or night club - we provide lighting and automation solutions that meet your needs and make your business shine.
- **Best Quality** – Nuvolight system components are developed and manufactured in-house from electronics to the finished product. We are also happy to take over project planning, assembly and commissioning for your project.
- **Cost efficient** – The Nuvolight lighting concept sustainably lowers your running costs through low power consumption and low maintenance requirements. Time control and intelligent scene management can further reduce energy costs.

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Elektronics and **software development**

With Nuvolight, we aim to offer you an automation system with a wide range of functions, which is nevertheless easy to use. In order to meet this requirement, we develop all of our control components ourselves from scratch.

The basic building blocks for this are the **development and manufacture of our electronic components in-house**. We also write the control app NuvoTouch and the software for the control server from scratch. In this way, we keep the operation of the system intuitive and appealing in a unique way.

The design and manufacture of in-house lights - especially for the cinema market - and the construction of control cabinets for control technology are also part of our work.

Since we are often on site during commissioning and have the complete chain from development to assembly in hand, we know our customers' needs very well and can optimally align our products accordingly. This enables us to offer you a customized automation system for your project.





Our focus

- LED and automation technology
- Wireless audio
- Wireless communication
- Automation technology
- BUS systems



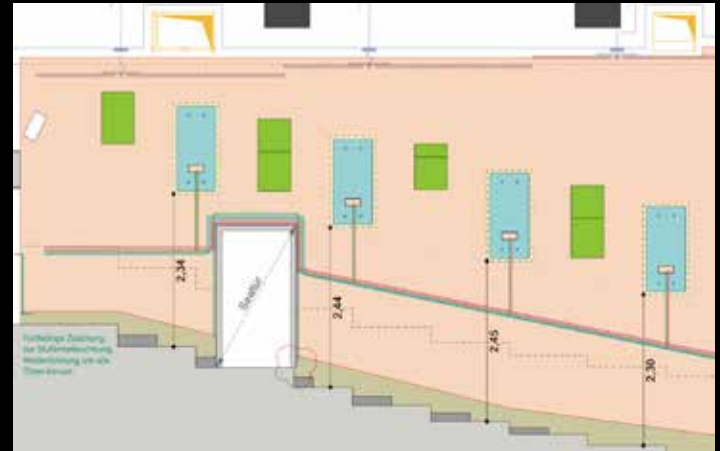
In-house development and manufacturing

Conception and implementation

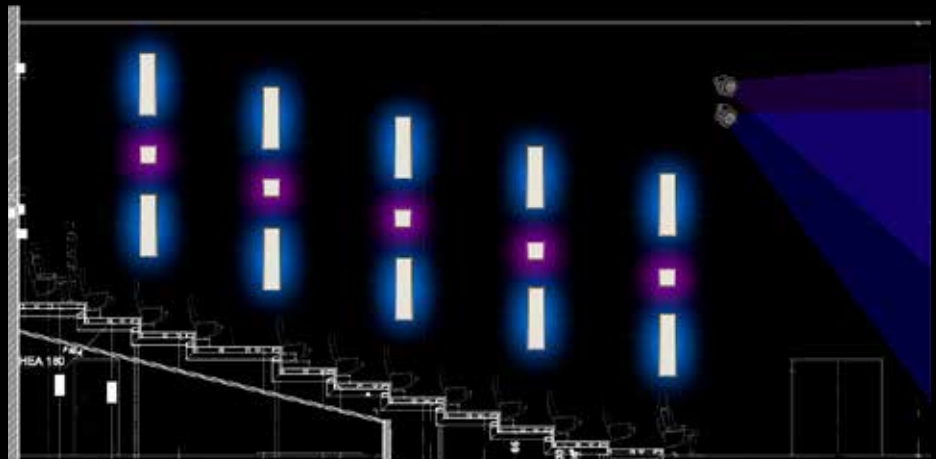
For the concrete implementation of a project, we also offer complete lighting planning for your cinema and are happy to accompany you through the entire construction phase.

We would be happy to create a **lighting concept** based on your ideas. If you like our ideas and the order comes through, we will draw up detailed plans for the assembly and electronics.

The installation of the components and **commissioning** can also be carried out by our trained staff on request. Our remote maintenance service is also available to you during operation.



Light and electrical planning



Projects with Nuvolight



Alpenfilmtheater Füssen



Kammer Filmtheater Crailsheim



Kurpark Bad Saarow



Dietrich Theater Neu-Ulm

Projects with Nuvolight



Cine K Korbach



Dolby Cinema Munich



Cineplex Meitingen



JAC Attendorn

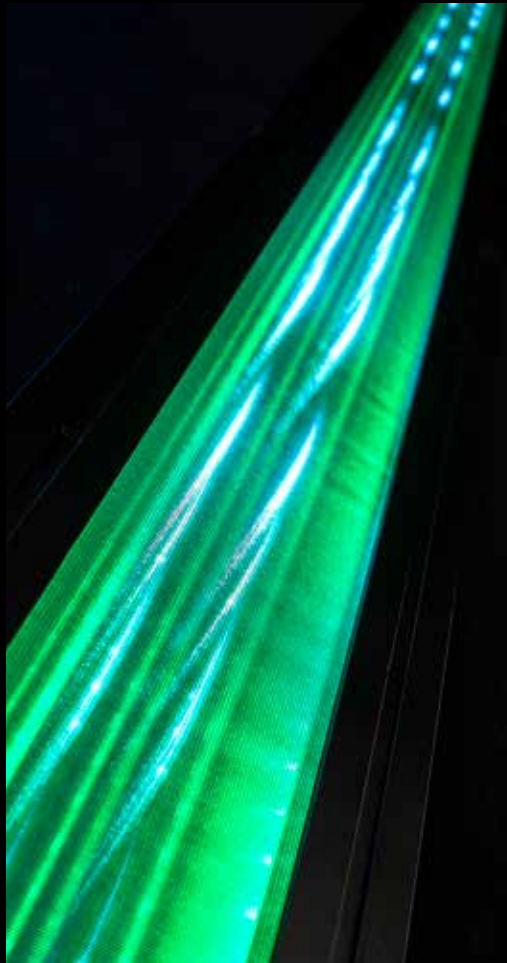


Neues Rex Munich



Cineplex Amberg

Nuvolight system luminaire **NuvoTunnel**



Delight your guests with moving light and a unique atmosphere in your cinema. The NuvoTunnel luminaire, which was specially designed for cinemas, is made of robust aluminum and serves as a variable holder for LED strips that can be controlled regularly or contain **individually controllable LEDs**.

Whether in the **surface-mounted or built-in** variant, with a cover made of light or dark acrylic glass, the installation is very easy and quick because the NuvoTunnel is already delivered pre-assembled.

The indirect lighting creates striking light lines that enable diverse and **moving lighting moods**.

At the same time, the light in the dark state inconspicuously fades into the background for **high image contrast** and to influence the film experience as little as possible.





Technical specifications



Continuously dimmable
via DMX



Color freely adjustable
via DMX



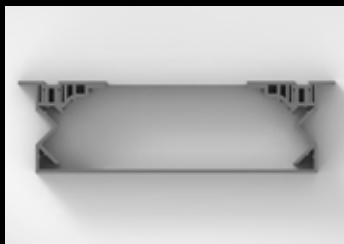
Energy-saving
LED technology



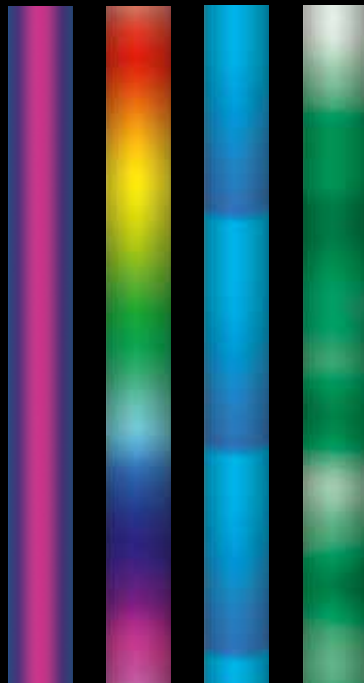
30 W/m (background LEDs)
30 W/m (effect LEDs)



Easy connection via
DMX or WiFi



Cross-section



*Moving LED effects
within the lamp*

Dimensions

Visible width 162 mm - surface-mount variant
180 mm - built-in variant

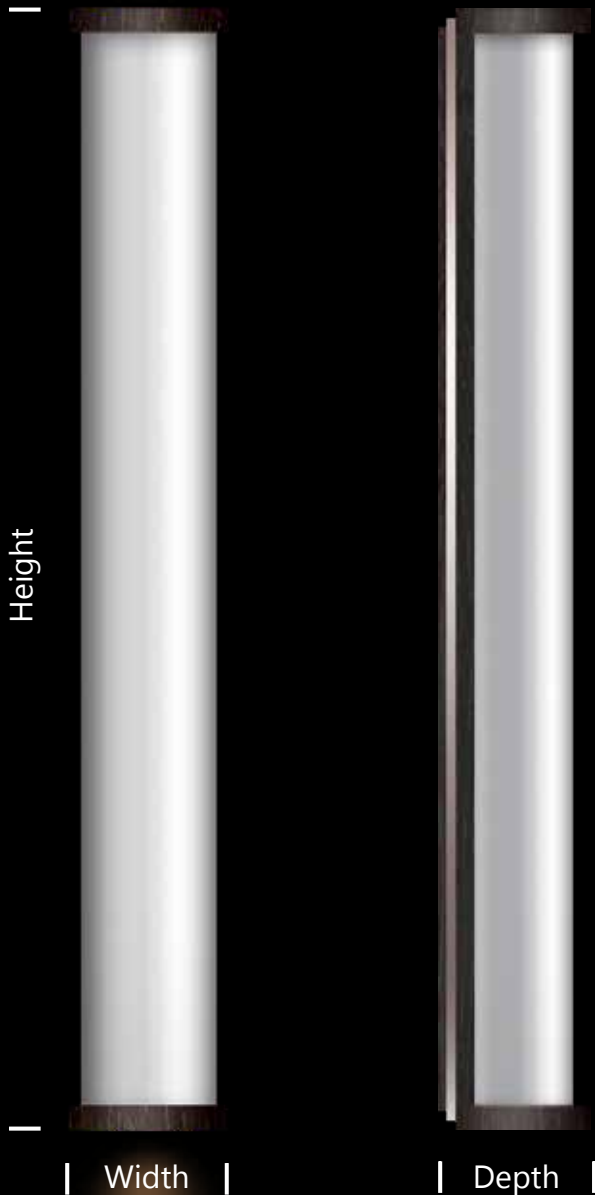
Depth 50 mm - Acrylic glass cover
light or dark

Nuvolight system luminaire **Alexandria**

The Alexandria system light impressively shows off your room in its full height. The atmospheric **color ambience** is created by the backlit plexiglass front, the shape of which is continued along the wall by two powerful **warm white spots**. Independent control opens up a wide range of lighting design options.

Like all Nuvolight lights, the Alexandria model is made in Germany using high-quality materials.





Technical specifications



Continuously dimmable
via DMX



Color freely adjustable
via DMX



Energy-saving
LED technology



108 W (RGBW front)
2 x 11 W (warm white spots)



Easy connection via
DMX or WiFi



Dimensions

Width	320 mm
Height	1400 mm
Depth	320 mm

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Nuvolight system luminaire **New York**

Our proven New York system light is able to immerse your room in any lighting mood. The **color** can be adjusted as required thanks to modern LED technology. The brightness is also continuously dimmable.

The special plexiglass, which is made of aluminum, creates a pleasantly uniform light surface on the front. The **LED border** on the side can be dimmed independently of the front LEDs and generates a warm white light. It also illuminates part of the surrounding wall, which elegantly highlights the lamp.

The New York model has a surface finished with black veneer and is manufactured in German craftsmanship. Other decors and **decor colors are available** on request.



Technical specifications



Continuously dimmable
via DMX



Color freely adjustable
via DMX



Energy-saving
LED technology



XS 19 W (front) + 25 W (indirect)
S 26 W (front) + 31 W (indirect)
M 52 W (front) + 40 W (indirect)
L 55 W (front) + 48 W (indirect)



Easy connection via
DMX or WiFi



Dimensions

Width x Height

Size XS	400 x 400 mm
Size S	400 x 700 mm
Size M	700 x 700 mm
Size L	400 x 1300 mm
Depth	48 mm



Pixel control room concept

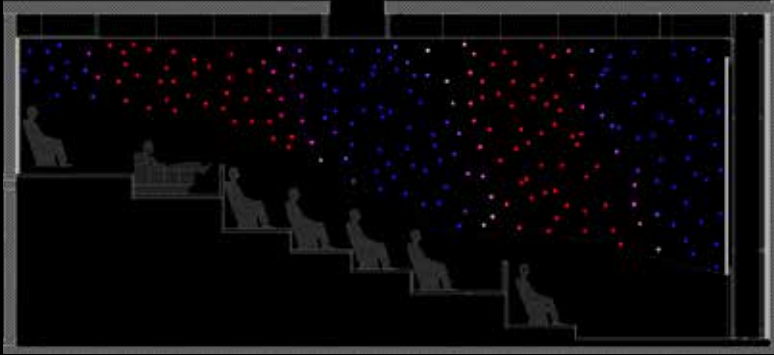
Immerse your rooms in an incomparable ambience with dynamic color patterns.

Modern LED strips and LED modules allow color gradients and **moving patterns** across surfaces and linear lighting. This allows exciting and new possibilities for the design of rooms.

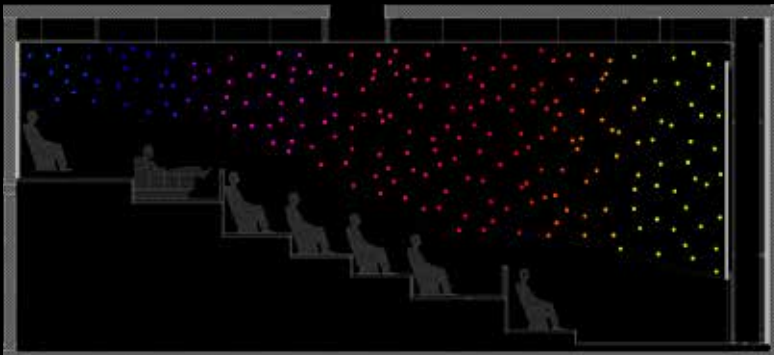
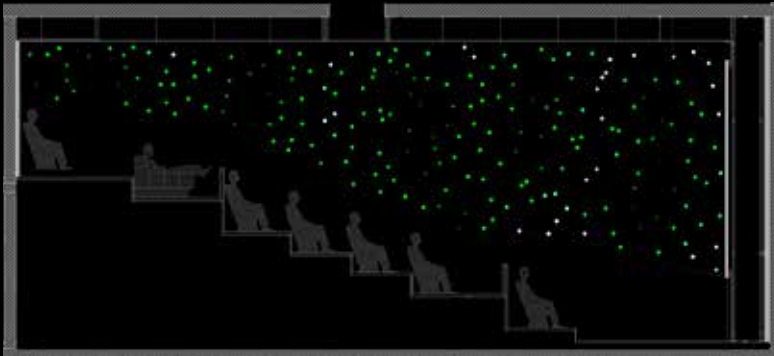
For solutions with a few LED strips, we have our own, inexpensive LED controller in our range, which integrate a variety of lighting effects and are seamlessly integrated into the Nuvolight control via DMX. For large installations, we rely on the integration of proven **ArtNet technology**, which can also be used to implement complex scenarios.

Whether individual LED strips or complex pixel mappings, the Nuvolight control is created for all applications.





Creating a
modern room
ambience.



Nuvolight staircase profile **NuvoStep**

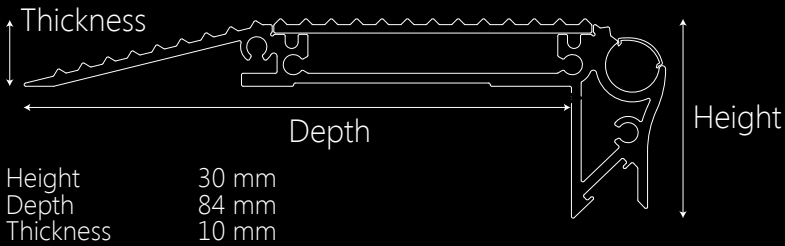
NuvoStep ensures a safe step in your company and also looks good. Stable yet slim aluminum profiles form the base for our innovative step lighting. The stairs are perfectly lit both when going up and down.

The step profile is seamlessly integrated into the overall lighting concept in that the steps can be controlled and brightness and color can be set individually. In the case of a version with two circuits, **color gradients** can also be implemented across the entire stage. The **connection to the safety lighting** is easy and the prescribed minimum brightness can be freely programmed for normal as well as emergency operation.



Variable color and dimming

Dimensions



Features

- Variable color, step lighting becomes a **design** element
- Stepless **dimnable**, e.g. during the film
- Robust anodized aluminum profile **without visible screws**

Technical specifications



Continuously dimmable via DMX



Color freely adjustable. Additional white LED to illuminate the step below.



Energy-saving LED technology



Integrated illuminated row numbers



Row number available separately

Nuvolight system overview

The Nuvolight system enables flexible light control with intuitive operation via the iPad app or light switch. With a specialization in the cinema market, there are also network interfaces for connecting to cinema servers.

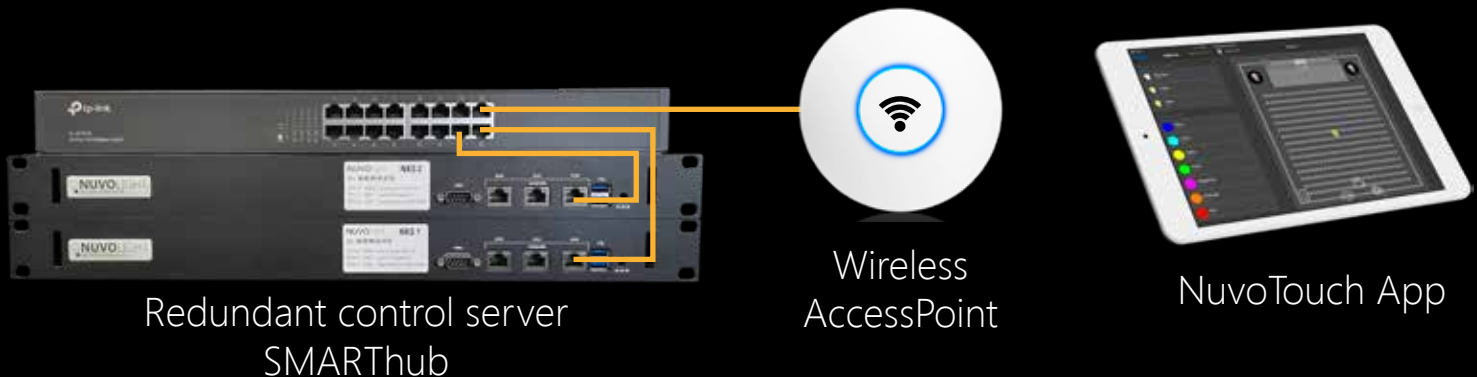
SMARThub

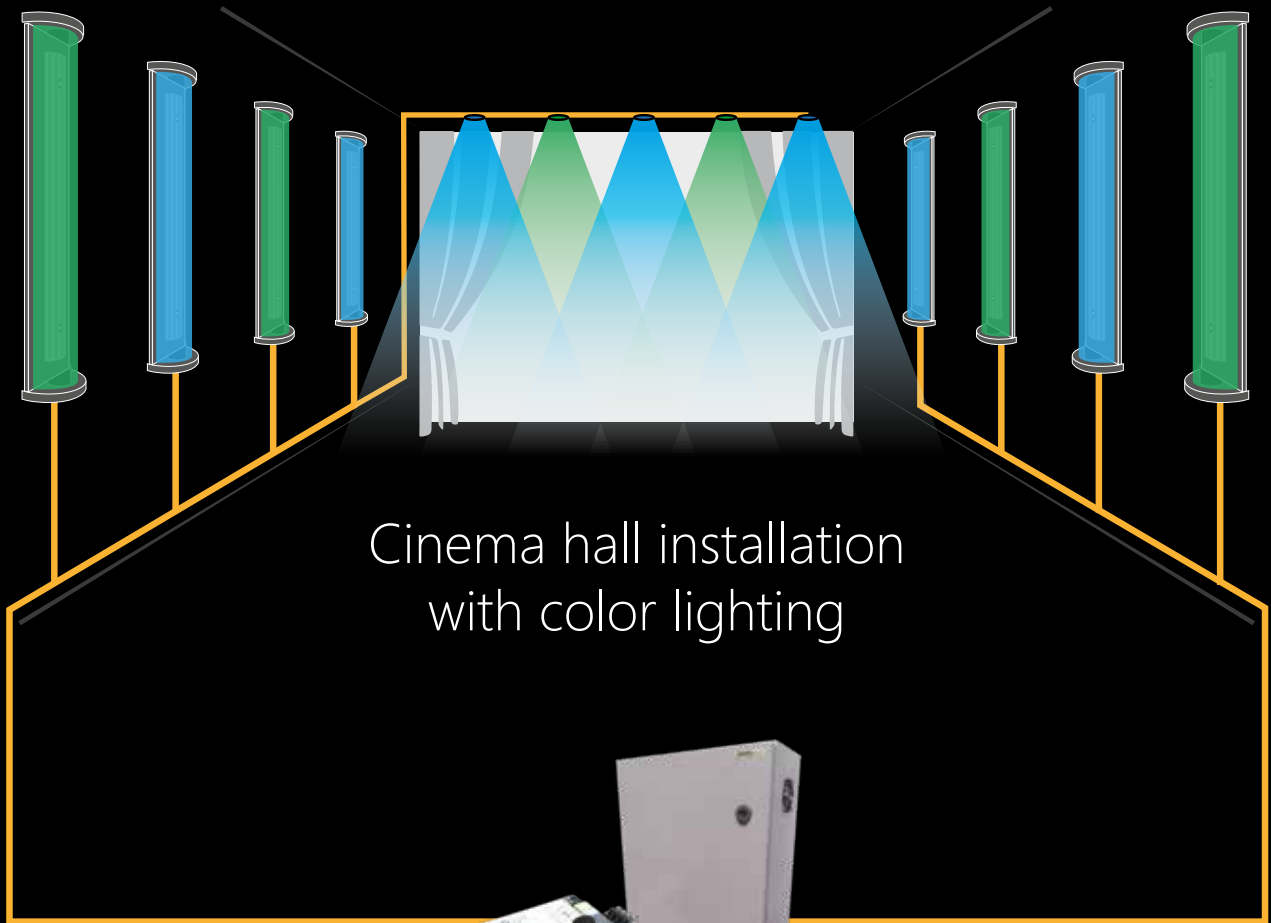
The Nuvolight SMARThub is the control center of the Nuvolight system. It is used to manage scenes, timings and device configurations.

Any number of control units (SMARTgateway) can be connected via network, which in turn offer a variety of interfaces for connecting lights and electrical components. Since the communication between SMARThub and SMARTgateway takes place via network, long distances can be covered within the installation.

Features

- Powerful control software in combination with the NuvoTouch iOS app
- Central management of scenes and sequences
- Redundant servers for maximum reliability
- Nuvolight remote maintenance access option





Cinema hall installation
with color lighting



Control devices
(per hall)



cinema server



SMARThub



Remote
maintenance

Nuvolight control actuators

With our range of in-house control actuators, almost all LED lamps can be controlled in color and brightness. The extensive configuration options enable everything from simple to complex installations.

All Nuvolight control units can be configured via WLAN using a web browser. This offers the considerable advantage that, for example, the devices can remain installed to change DMX addresses. There is also the option of basically integrating the control actuators into the Nuvolight control via WLAN instead of BUS, should there be no possibility to lay a BUS line.



SMARTgateway

The Nuvolight SMARTgateway is housed in the control cabinet and serves as a converter from network to BUS communication. It has several inputs and outputs for connecting lights and relays as well as a network socket for communication with the central SMARThub server.

Features

- 2 x DMX output, parallel
- 1 x DALI output, integrated DALI power supply
- 8 x Digital input, Connection of push buttons and GPOs
- Easy configuration via browser interface
- Use as client module of the SMARThub control server
- Can be used as a standalone module without SMARThub, with up to eight programmable DMX moods that can be triggered by a GPO and network command.

SMARTreceiver

The Nuvolight SMARTreceivers are DIN-rail components that are also installed in the control cabinet. They are connected to the SMARTgateway via DMX bus and thereby expand the functionality of the control.



Variants and features

- 2-channel relay 16A 230V - for example for:
 - *Switchable luminaires*
 - *Curtain control*
 - *Switching electrical devices*
- 4-channel PWM - for example for:
 - *One RGBW LED strips*
 - *Four warm white LED strips*
 - *Status lights on the control panel*
- 8-channel PWM - for example for:
 - *Two RGBW LED strips*
 - *Eight warm white LED strips*
 - *Status lights on the control panel*

BUS Receiver

Due to the compact form factor, Nuvolight BUS receivers can be installed very flexibly in the field, e.g. inside of LED lights. They are connected to the SMARTgateway via DMX bus and control various LED types on the output side.



Variants and features

- IntelliStrip + 4-channel PWM - for example for:
 - *LED strips with individually controllable pixels (SPI protocol)*
 - *RGBW LED strips with 12V or 24V*
 - *Integrated effects for pixel LEDs, whose parameters can be set via DMX.*
- 6-channel PWM - for example for:
 - *RGBW LED strips with 12V or 24V*
 - *Up to six single-color LED strips with 12V or 24V*
- 6-channel Switch - for example for:
 - *Up to six external relays with 12V or 24V*
 - *Up to six external control inputs from third-party devices*
- 4-channel constant current - for example for:
 - *Up to four LED lights with max. 350mA current consumption*
 - *Extra smooth dimming even in the lower brightness range*
- 1-channel constant current - for example for:
 - *One LED lamp with max. 980mA current consumption*
 - *Extra smooth dimming even in the lower brightness range*



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Nuvolight iOS App NuvoTouch

The central element of the Nuvolight control system is our specially developed iOS app NuvoTouch. With the intuitively operated app, you can switch between individually created lighting scenes without prior technical knowledge and create your own lighting scenes and moving sequences with the appropriate admin rights.

The control panel can be used as a mobile device, making it possible to set the light directly at the respective location. Of course, the panel can also be mounted at a fixed location on the wall in a suitable lockable bracket.





Core features

- **Execute** lighting scenes
- **Control** luminaires separately
- Use as an **extended light switch**

Admin features

- Create **own lighting scenes**, suitable for new films, company events, etc.
- Create **Dynamic light sequences**, e.g. color changes, pulsating lights, etc.
- Create light sequences for trailers, e.g. a **lightshow** for Dolby Atmos trailer.
- Activate and set **time schedule**
- Configure light switches

The functions for creating new light scenes can be enabled or blocked as required. For example, one control panel can only be used to call up the scenes, while another has the rights to create new lighting scenes.

To use the light control, we create an individual building plan as the background image of the app. This means that all lighting elements are displayed on the panel according to their actual position in the room, which enables easy orientation.



Planning of **security lighting**

As a public event space, cinema operators are obliged to integrate security lighting in the building. However, especially in the cinema there are special conditions that require precise planning and implementation of the emergency lighting. In addition to ambient lighting, Nuvolight also offers the integration of the legally required safety lighting for your building. Talk to us about this simply.



Dimmability of lights

In order to keep the hall as dark as possible during the film, permanent lights such as escape signs and illuminated stairs can be dimmed to a minimum brightness. This minimum brightness is measured by Nuvolight during commissioning. It also ensures that the emergency lighting system works perfectly in conjunction with dimmed lights.

Self-test of emergency lighting systems

For safety reasons, it is necessary that every emergency lighting system carries out regular self-tests. The emergency lighting must be on for several hours to ensure the permanent functioning of the batteries. In order to prevent such a test while a film is running, a computer-controlled scheduling and a mechanism for manually resetting the system are required.

Extend existing emergency lighting systems

In existing buildings, it is often necessary to combine new emergency lights (e.g. staircase lighting) with the existing emergency lighting system. Depending on the individual case, converting the lighting can turn into a challenging task. With our years of experience, we will be happy to advise you on a reliable and economically sensible solution in your cinema.



*Whether single or central battery system,
we plan and program the emergency
lighting system for your cinema.*

