Nice

# Lighting Receivers for LED Strips

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# Complete domestic comfort

## Integrate LED strips into the radio system

The new range of Nice lighting receivers rounds off the product offering for sun shading solutions. To this end LED strips are connected with a suitable LED radio receiver and the appropriate accessories.


### Versatile control

With a lighting receiver LED it is possible to control as many as **4 LED strips**.

### Comfortable programming

Up to 30 transmitters can be taught in for each radio receiver. **The programming is conducted using a radio transmitter**.

### Quick installation

**Lighting receiver LED** and the requisite accessories can be installed quickly and easily.

### Perfect lighting

High-quality LED strips ensure **harmonious and uniform illumination**. Thanks to LED radio receivers and hand-held transmitters, both the brightness and the light colour can be adjusted as desired.

**The benefit for your customers:**

**Multiple applications can now be controlled with one Nice transmitter as desired: pergola slats, screens, patio awnings, radiant heaters and LED lighting.**
The bidirectional radio system receives and processes signals reliably, forwarding them securely thanks to a true routing function. **Via Yubii Home*, lighting can be smartly integrated into automatic sequences and scenes and controlled via app or voice command.**

**coming soon*

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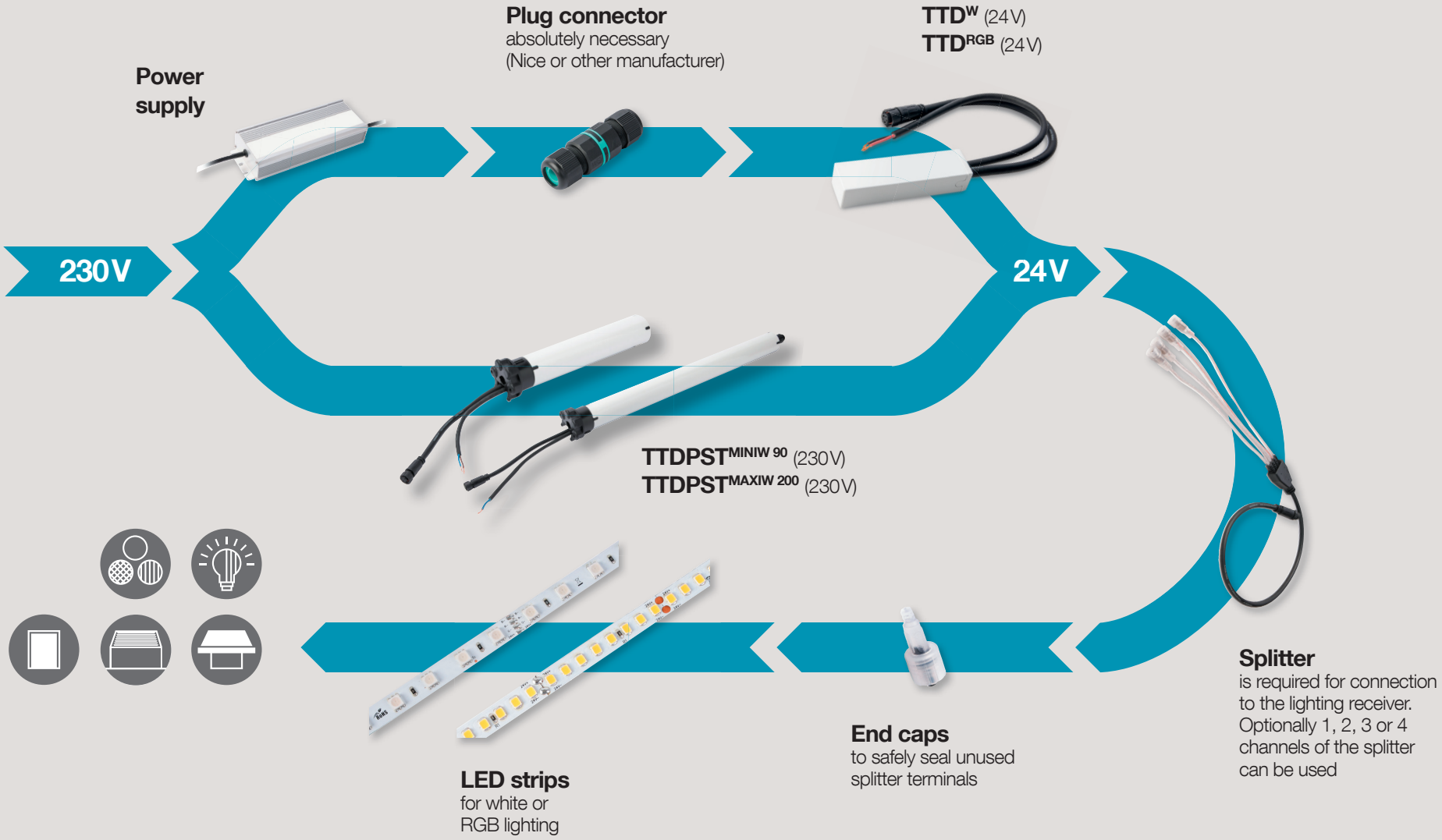
# Lighting Receiver LED

## The right solution for each application

Radio receivers for LED strips are available in various designs for different installation situations, such as rollers of awnings and screens. Be it coloured or white LEDs – Nice offers suitable products and practical accessories for all your applications.

# You require these components from Nice to integrate LED strips into the radio system.



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# TTD$^{W}$

## Dimmer with bidirectional radio receiver for white LED strips, for a variety of installation situations

BiDi

24 V DC

Yubii *

433 MHz

*coming soon

The device is a **bidirectional dimmer and radio receiver rolled into one** and allows for the control of as many as 4 dimmable and white LED strips.

The light source(s) can then be turned on and off, as well as dimmed, with **any 433 MHz Nice radio control**.

A power supply unit and plug are required in addition to the **TTDW** (diagram p. 5).

**Up to 30 transmitters** can be taught in for each receiver.

The **TTDW** can be integrated very easily and quickly. Thus allowing for the integration of the light source into the overall ambience as desired.

The design of the receiver makes it suitable for a wide variety of installation situations. **The outputs may be controlled separately from one another.**

**The TTDW is programmed using the radio transmitter.**

| Item no. | Description | Quantitiy |
|---|---|---|
| **TTDW** | Dimmer/radio receiver for white LED strips | 1 |

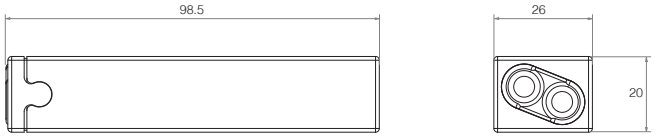
**TECHNICAL DATA**

| Item no. | **TTDW** |
|---|---|
| Voltage input (V DC) | 24 |
| Voltage output (V DC) | 24 |
| Connected load (W) | minimum load 100 per channel, maximum load 240 |
| Rated current light terminals (A) | max. 10 |
| Ingress protection (IP) | 55 |
| Protection class | II |
| Transmitter power (dBm) | ≤ 10 |
| Radio frequency (MHz) | 433 |
| Radio range (m) | up to 90 outdoors (depending on terrain structure) |
| Ambient operating temperature (°C) | -20 to +60 |
| Weight (Kg) | 0.15 |
| Dimensions L x W x H (mm) | 98 x 26 x 20 |
| Installation type | loose |
| Conformity | CE |

**POWER CABLE**

Cable length 1.5 m, 2-core


**DIMENSIONS**



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# TTD$^{RGB}$

## Dimmer with bidirectional radio receiver for RGB LED strips, for a wide variety of installation situations

BiDi

24 V DC

Yubii *

433 MHz

*coming soon

The device is a **bidirectional dimmer and radio receiver rolled into one** and allows for the control of as many as 4 LED strips as well as the adjustment of their brightness and light colour.

The light source(s) can then be turned on and off, as well as dimmed, with **any 433 MHz Nice radio control**.

A power supply unit and plug are required in addition to the **TTDRGB** (diagram p. 5).

**Up to 30 transmitters** can be taught in for each receiver.

The **TTDRGB** can be integrated very easily and quickly. Thus allowing for the integration of the light source into the overall ambience as desired.

The design of the receiver makes it suitable for a wide variety of installation situations. **Both outputs may be controlled separately from one another.**

**The TTDRGB is programmed using the radio transmitter.**

| Item no. | Description | Quantitiy |
|---|---|---|
| **TTDRGB** | Dimmer/radio receiver for RGB LED strips | 1 |

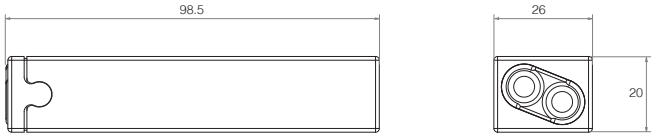
**TECHNICAL DATA**

| Item no. | **TTDRGB** |
|---|---|
| Voltage input (V DC) | 24 |
| Voltage output (V DC) | 24 |
| Connected load (W) | minimum load 100 per channel, maximum load 240 |
| Rated current light terminals (A) | max. 10 |
| Ingress protection (IP) | 55 |
| Protection class | II |
| Transmitter power (dBm) | ≤ 10 |
| Radio frequency (MHz) | 433 |
| Radio range (m) | up to 90 outdoors (depending on terrain structure) |
| Ambient operating temperature (°C) | -20 to +60 |
| Weight (Kg) | 0.15 |
| Dimensions L x W x H (mm) | 98 x 26 x 20 |
| Installation type | loose |
| Conformity | CE |

**POWER CABLE**

Cable length 1.5 m, 2-core


**DIMENSIONS**




LED lighting receivers – for a variety of installation situations

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# TTDPSTMINIW 90

## Dimmer with bidirectional radio receiver for white LED strips for installation in rollers (screens)

BiDi

230 V

Yubii *

433 MHz

*coming soon

The device is a **bidirectional dimmer and radio receiver rolled into one** and allows for the control of as many as 4 white LED strips.

The light source(s) can then be turned on and off, as well as dimmed, with **any 433 MHz Nice radio control**.

**Up to 30 transmitters** can be taught in for each receiver.

A power supply unit is already integrated in the receiver.

The **TTDPSTMINIW 90** can be integrated very easily and quickly. Thus allowing for the integration of the light source into the overall ambience as desired.

The design of the receiver was specially developed for installation in rollers, e.g. for screens. **Both outputs may be controlled separately from one another.**

**The TTDPSTMINIW 90 is programmed using the radio transmitter.**

| Item no. | Description | Quantity |
|---|---|---|
| **TTDPSTMINIW 90** | Dimmer/radio receiver for white LED strips, compact (screens) | 1 |

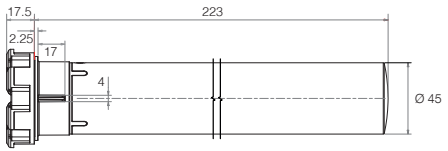
**TECHNICAL DATA**

| Item no. | **TTDPSTMINIW 90** |
|---|---|
| Voltage input (V AC) | 230 |
| Voltage output (V DC) | 24 |
| Frequency (Hz) | 50 |
| Connected load (W) | maximum load 90 |
| Rated current light terminals (A) | max. 0.5 |
| Ingress protection (IP) | 44 |
| Protection class | II |
| Transmitter power (dBm) | ≤ 10 |
| Radio frequency (MHz) | 433 |
| Radio range (m) | up to 80 outdoors (depending on terrain structure) |
| Ambient operating temperature (°C) | -20 to 65 |
| Weight (Kg) | 0.58 |
| Dimensions L x W x H (mm) | 280 x Ø 45 |
| Installation type | loose / installation in tube |
| Conformity | CE |

**POWER CABLE**

Cable length 1.5 m, 2-core


**DIMENSIONS**



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# TTDPSTMAXIW 200

## Dimmer with bidirectional radio receiver for white LED strips for installation in rollers (awnings)

BiDi

230 V

Yubii *

433 MHz

*coming soon

The device is a **bidirectional dimmer and radio receiver rolled into one** and allows for the control of as many as 4 white LED strips.

The light source(s) can then be turned on and off, as well as dimmed, with **any 433 MHz Nice radio control**.

**Up to 30 transmitters** can be taught in for each receiver.

A power supply unit is already integrated in the receiver.

The **TTDPSTMAXIW 200** can be integrated very easily and quickly. Thus allowing for the integration of the light source into the overall ambience as desired.

The design of the receiver was specially developed for installation in rollers, e.g. for patio awnings. **Both outputs may be controlled separately from one another.**

**The TTDPSTMAXIW 200 is programmed using the radio transmitter.**

| Item no. | Description | Quantity |
|---|---|---|
| **TTDPSTMAXIW 200** | Dimmer / radio receiver for white LED strips, compact (awnings) | 1 |

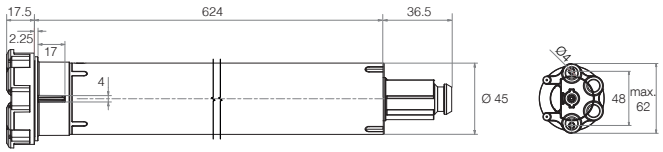
### TECHNICAL DATA

| Item no. | **TTDPSTMAXIW 200** |
|---|---|
| Voltage input (V AC) | 230 |
| Voltage output (V DC) | 24 |
| Frequency (Hz) | 50 |
| Connected load (W) | maximum load 200 |
| Rated current light terminals (A) | max. 0.5 |
| Ingress protection (IP) | 44 |
| Protection class | II |
| Transmitter power (dBm) | ≤ 10 |
| Radio frequency (MHz) | 433 |
| Radio range (m) | up to 80 outdoors (depending on terrain structure) |
| Ambient operating temperature (°C) | -20 to 65 |
| Weight (Kg) | 2.85 |
| Dimensions L x W x H (mm) | 800 x Ø 45 |
| Installation type | loose / installation in tube |
| Conformity | CE |

### POWER CABLE

Cable length 1.5 m, 2-core


### DIMENSIONS



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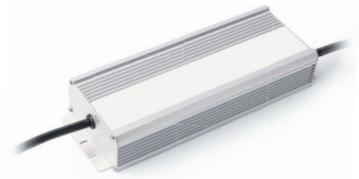
# Power supplies

## Full power with 100 to 300 W



**Suitable devices with compact dimensions are available to supply the Lighting Receiver LED dimmers (TTDW and TTDRGB) with a 24 V power supply.**

The current is suited to the needs of the applications.

| Item no. | Description | Quantity |
|---|---|---|
| **590.010000** | Mean Well mains adapter 100 W 24 V constant power | 1 |
| **590.015000** | Mean Well mains adapter 150 W 24 V constant power | 1 |
| **590.032000** | Mean Well mains adapter 320 W 24 V constant power | 1 |

**TECHNICAL DATA**

| Item no. | **590.010000** | **590.015000** | **590.032000** |
|---|---|---|---|
| Output power (W) | 100 | 150 | 312 |
| Output voltage (V) | 24 | 24 | 24 |
| Output current (A) | 4 | 6,3 | 13 |
| Input voltage (V) | 100 – 305<br>110/230 universal input | 90 – 295<br>110/230 universal input | 100 – 305<br>110/230 universal input |
| Ingress protection (IP) | 67 | 65 | 67 |
| Dimensions L x W x H (mm) | 140 x 63 x 32 | 180 x 63 x 35.5 | 246 x 77 x 39.5 |
| Dimming technology | Potentiometer | Potentiometer | Potentiometer |
| Casing type | Metal | Metal | Metal |
| RoHS | Compliant | Compliant | Compliant |
| Technology | AC/DC<br>Constant current C.C.<br>Constant power C.P. | AC/DC<br>Constant current C.C.<br>Constant power C.P. | AC/DC<br>Constant current C.C.<br>Constant power C.P. |
| Norm | LED EN 61347 | LED EN 61347 | LED EN 61347 |
| Weight (kg) | 0.58 | 0.8 | 1.87 |
| Ambient operating temperature (°C) | -40 to +90 | -40 to +85 | -40 to +85 |
| Conformity | CE | CE | CE |

# LED strips

## Full brightness with hundreds of LEDs

Suitable LED strips are available for the various applications with **white or RGB** and may be made up to meet your needs.

| Item no. | Description | Quantity |
|---|---|---|
| **591.090500** | LED strip RGB IP67, 14.4 W/m, 5 m strip | 1 |
| **591.000500** | LED strip white, IP67, 12 W/m, 5 m strip | 1 |

**TECHNICAL DATA**

| Item no. | **591.090500** | **591.000500** |
|---|---|---|
| Operating voltage (V) | 24 | 24 |
| Operating current (A) | 0.52 (1m) – 2.22 (5m) | 0.9 (1m) – 3.96 (5m) |
| Power consumption (W) | 12.5 (1m) – 53.3 (5m) | 10.8 (1m) – 47.5 (5m) |
| Degree of protection (IP) | 67 | 67 |
| Ambient operating temperature (°C) | -25 to 40 | -25 to 40 |
| Size (mm) | 5,000 x 12 x 4.8 | 5,000 x 10 x 5 |
| Beam angle (°) | 120 | 120 |
| Number of LEDs per metre | 60 | 160 |
| Conformity | CE | CE |

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# Splitter

for every diversion

**The corresponding splitter is required to adapt LED strips for the lighting receiver devices.**

In addition, a splitter offers the possibility to connect as many as four LED strips to a lighting receiver device.

| Item no. | Description | Quantity |
|---|---|---|
| **593.201000** | Cable splitter for white LED strip | 1 |
| **593.202000** | Cable splitter for RGB/RGBW LED strip | 1 |

# Plug connector

for quick connection

**A plug connector is required to connect a lighting receiver device (TTDW and TTDRGB) quickly and securely with a device for voltage supply.**

| Item no. | Description | Quantity |
|---|---|---|
| **593.101001** | KIT Mini Plug & Socket Connector 4p Screw D6-13.5 IP66/IP68 xDRY® | 1 |

# End caps

for a safe seal

**End caps seal the unused end connections of a splitter.**

| Item no. | Description | Quantity |
|---|---|---|
| **593.101000** | End cap for white LED strip | 1 |
| **593.102000** | End cap for RGB/RGBW LED strip | 1 |

## How to connect and manage Lighting Receivers by Nice transmitters:

**TTDPST$^{MINIW\ 90}$**
**TTDPST$^{MAXIW\ 200}$**
(230 V)

**TTDW**
**TTDRGB**
(24 V)

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