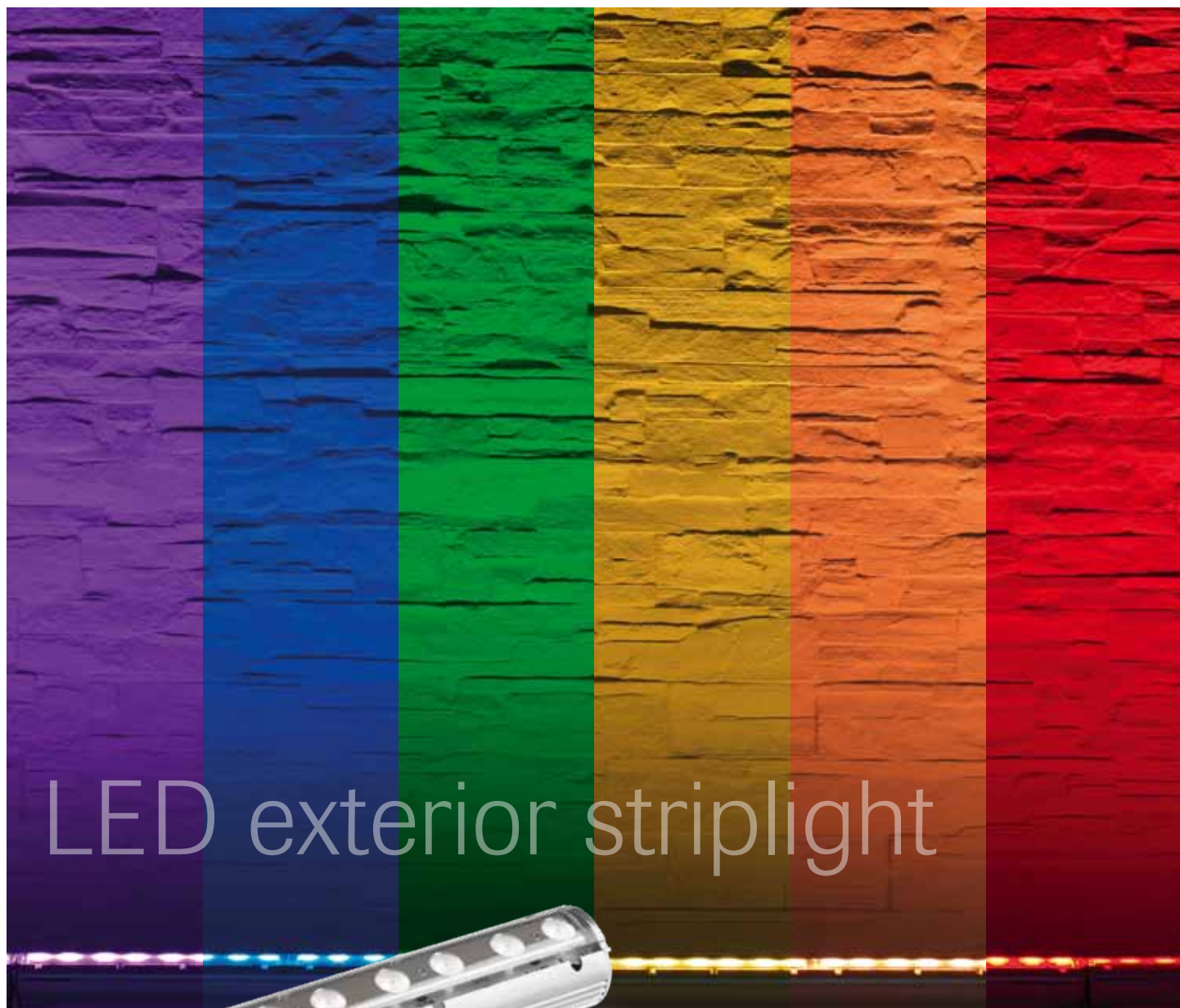


**Tripix™**



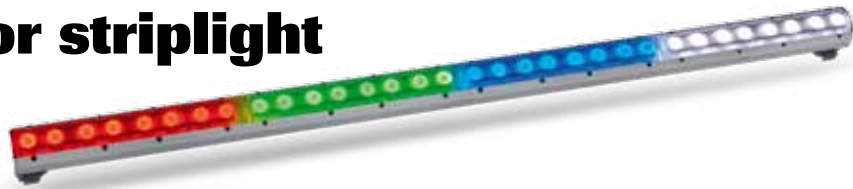
LED exterior striplight



**Martin®**

# Tripix™ 1200 & 300

## Tricolor LED exterior striplight



**The Tripix 1200 and Tripix 300 are the first fixtures in a new Martin line of IP66 rated outdoor LED luminaires. These two attractively designed striplights are the first architectural fixtures from Martin to use tricolor LEDs for superior color mixing directly at the lens.**

The result is an absence of color shadows and a broader range of color choices. The Tripix range also incorporates a new custom-designed lens system for very narrow beam angles that have been difficult to achieve with tricolor LED fixtures in the past.

The Tripix range can be used in a variety of indoor and outdoor applications and installs in minutes using a newly designed, slim, IP66 cable connector. These new fixtures are ideally suited to applications where uniform color right out of the fixture is desired like coves, architectural design highlights or any setting requiring smooth color mixing.

- Uniform color mixing using powerful tricolor LEDs
- No multicolor fringe shadows
- No unwanted colors that mix outside the fixture
- Easy to control: 64 built-in programs and auto addressing
- Fast to install with new IP66 quickplug connectors
- Available in 300 mm (1 ft) and 1200 mm (4 ft) lengths in various beam angles

## Specifications

### Physical

#### Tripix fixture

Length: Tripix 300: 300 mm (11.8 in.),  
Tripix 1200: 1200 mm (472 in.)  
Width: 61 mm (2.4 in.) including mounting bracket  
Height: 81.4 mm (3.2 in.) including mounting bracket and DIN rail  
Weight: Tripix 300: 1200 g (42.3 oz.),  
Tripix 1200: 4230 g (149.2 oz.)

#### Tripix Power

Length: 447 mm (17.6 in.)  
Width: 141 mm (5.6 in.)  
Height: 68 mm (2.7 in.)  
Weight: 5.8 kg (12.8 lbs.)

### Dynamic Effects

Color mixing: RGB

Red: 0 - 100%  
Green: 0 - 100%  
Blue: 0 - 100%

Color temperature control: 5600 K +/- 300 K for mixing white color

### Optics

Light source: RGB 3-in-1 LED, approx. 3 W per LED  
Total LED power: Tripix 300: approx 24 W, Tripix 1200: approx. 82 W

Beam angle: Narrow, medium and wide available

### Control and Programming

Color control modes: RGB (raw and calibrated), HSIC  
Control system: DMX, stand-alone, master/slave  
DMX channels: 3 or 4 per 300 mm (11.8 in.)  
Grouped pixel control options: Divided into sections of 300, 600 or 1200 mm (47.2 in.)  
DMX address setting: Martin MUM™ application running on Windows PC  
Protocol: USITT DMX512-A  
Receiver: RS-485  
Firmware update: Serial upload via DMX link

### Photometric Data

#### Tripix 1200, Narrow (all LEDs at 100%)

Efficacy: 12 lumens per watt  
Half-peak angle: 20°  
Total output: 1200 lm

#### Tripix 1200, Medium (all LEDs at 100%)

Efficacy: 11 lumens per watt  
Half-peak angle: 60°  
Total output: 1100 lm

#### Tripix 1200, Wide (all LEDs at 100%)

Efficacy: 10 lumens per watt  
Half-peak angle: 120°  
Total output: 1000 lm

#### Tripix 300, Narrow (all LEDs at 100%)

Efficacy: 12 lumens per watt  
Half-peak angle: 20°  
Total output: 300 lm

#### Tripix 300, Medium (all LEDs at 100%)

Efficacy: 11 lumens per watt  
Half-peak angle: 60°  
Total output: 275 lm

#### Tripix 300, Wide (all LEDs at 100%)

Efficacy: 10 lumens per watt  
Half-peak angle: 120°  
Total output: 250 lm

*Photometric data is preliminary*

### Construction

Housing: Aluminum  
Finish: Clear anodized  
Front cover: Flame-retardant PMMA  
End covers: Aluminum  
Mounting brackets: Aluminum  
Protection rating: IP66

### Installation

Orientation: Any  
Aiming: Any angle between +/- 105°  
Mounting: 35 mm (1.4 in.) DIN rail  
Distance between strips: Extendable (see User Manual)

### Connections

Tripix Power power input: Male (C14) IEC chassis connector  
Fixture-to-fixture power and data: IP66 13-pin DIN cable tail system

### Electrical

AC power: 100-120/200-240 V nominal, 50/60 Hz (input to Tripix Power device)  
Standby power: 300 mm (11.8 in.) models, 3 W / 1200 mm (47.2 in.) models, 10 W  
Power output: 48 V DC (output from Tripix Power device)

### Thermal

Cooling: Convection  
Maximum ambient temperature (Ta max.): Fixtures 45° C (113° F),  
Tripix Power 40° C (104° F)  
Minimum ambient temperature (Ta min.): -30° C (-22° F)

Maximum surface temperature, steady state, Ta=45° C (113° F):  
Fixtures 65° C (149° F),  
Maximum surface temperature, steady state, Ta=45° C (113° F):  
Tripix Power 55° C (131° F)

### Approvals

EU safety: EN 60598-1, EN 60598-2-1  
LED Safety: IEC 60825-1, 2001; IEC 62471, 2006  
EU EMC: EN 55 015, EN 55 103, EN 61 000-3  
US safety: UL 1598  
Canadian safety: CAN/CSA C.22.2 No. 250

### Included Items

#### Tripix 300

Tripix 300 luminaire with narrow diffuser

#### Tripix 1200

Tripix 1200 luminaire with narrow diffuser

#### Tripix Power

Tripix power supply device  
EU-type power cable with Schuko connector  
US-type power cable  
User manual

#### Tripix Power Inserter Cable

Tripix power inserter cable (3-way, power and data insertion)  
Tripix DMX Termination Plug

### Accessories

Tripix DMX Input Adapter: P/N 91611337  
Tripix DMX Output Adapter: P/N 91611338  
Tripix Cable Adapter extension connector set: P/N 91611323  
Tripix Diffuser 20°, 30.3 x 30.4 mm (12.0 in.), pack of 8, installation by Martin Service only: P/N 91611329  
Tripix Diffuser 60°, 30.3 x 30.4 mm (12.0 in.), pack of 8, installation by Martin Service only: P/N 91611330  
Tripix Diffuser 120°, 30.3 x 30.4 mm (12.0 in.), pack of 8, installation by Martin Service only: P/N 91611331  
Tripix Front Cover: P/N 91611332  
0.5 m (1.6 ft.) Tripix Extension Cable: P/N 91611333  
1 m (3.3 ft.) Tripix Extension Cable: P/N 91611334  
5 m (16.4 ft.) Tripix Extension Cable: P/N 91611335  
Tripix DMX Termination Plug: P/N 91611336  
Tripix Power Inserter (3-way power and data insertion cable): P/N 91611339

### Ordering Information

Tripix™ 300: P/N 90354520  
Tripix™ 1200: P/N 90354530  
Tripix™ Power: P/N 90760310  
Tripix™ Power Inserter cable: P/N 91611339

### Martin Professional A/S

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Founded in 1986 and headquartered in Aarhus, Denmark, Martin Professional is a world leader in the creation of dynamic lighting solutions for the entertainment, architectural, and commercial sectors. Martin lighting solutions are industry standard on top tours and events, grace prestigious theatres, energize nightclubs, and decorate major television studios around the globe. The company operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. For more information please visit [www.martin.com](http://www.martin.com)

