PRODUCTSHEET
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Faru RGBW – IP68 Product number: 11538

FARU RGBW FLEXIBLE WATER RESISTENT LED STRIP – RGBW – SMD5050 60LED P/M
The Faru RGBW LED lighting strip is one of the most wanted LED lighting strips of Colorgetixs' Colorlines line. The Faru RGBW LED strip is used for several kinds lighting projects. The Faru RGBW LED strip is trustworthy and of high quality. The uniqueness of this LED lighting strip is the possibility to emit pastels.

COLORGETIX COLORLINES FARU RGBW LED LIGHTING STRIPS COLOR
The Faru RGBW LED strip is equipped with the primary colors red, green, blue and as extra addition warm white. Because the strip has the ability to emit a white light, it can emit pastels. Thanks to this, the variations are endless. The color of light in a space determines the atmosphere. LED light from Colorgetix gives a space an extra dimension. Because the Faru RGBW LED strip of Colorgetix Colorlines line has the ability to emit pastels light, it is perfect for inside a home.

APPLICABILITY OF COLORGETIX COLORLINES FARU RGBW LED STRIP
Many architects, light designers and installers choose the Colorgetix Faru RGBW LED strip, mainly because of its high quality and trustworthiness. Next to homes, the LED lighting strip is also very suitable for food establishments. The LED strip can be cut to a preferred size after every 20 cm. The variations possible with the Colorgetix Faru RGBW LED strip creates a surprising atmosphere. If needed, Colorgetix can deliver special LED placement profiles, which gives even more possibilities in attaching LED strips. Colorgetix offers the possibility to solder the LED strip to a preferred size.

COLORGETIX COLORLINES FARU RGBW LED STRIPS FLEXIBILITY
The Faru RGBW is a flexible LED strip with a capacity of 14,4 W per meter. There are 60 type SMD5050 3-in-1 Epistar RGB LEDs on the LED strip, with a voltage of 24v DC the Faru RGBW LED strip has an IP level of IP68, is dust free and water resistant. The Faru RGBW LED strip is water resistant and stays operational underwater within the designated circumstances. Because of the Faru RGBW LED strips' flexibility, it can be installed in various places. To use the LED light strip, you need the Colorgetix Burro DMX controller 4CHx 4A 12-24 from the Colorcontroller line and the Cabello LED RGBW DMX 12-24v DC control panel, that also comes from the Colordriver line. The right Colorgetix Colordriver for LED lighting depends on the length of the LED strip in meters, and the amount of watts per meter on the LED strip; *The length of the LED strip in meters x The amount of watts per meter = The necessary watts for the driver.* Caution! Always add an extra 10% to the amount of watts needed, there is no maximum amount of watts allowed, but the driver may never have a too low operating capacity. Colorgetix can deliver the LED strip in a plug & play manner. Colorgetix is specialized in LED lighting and has a large range of high quality LED lighting and accessoires.

Specifications

Capacity:	14,4 W per meter
Type of LED:	SMD5050
Amount of LED's:	60 per meter
Beam angle:	120 °
Shortest cut distance:	20 cm
IP Norm:	IP 68
Ampère (max):	0.6 Ampère per meter
Voltage:	24V DC
Maximum to connect:	5 Ampère
Length:	Rol 5 meter
Width:	12 mm
Height:	5 mm

24 Volt	Cable inner conductor 1.5mm²					Cable inner conductor 2.5mm²					Cable inner conductor 4mm²				
Watt	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Cable length (m) \ Ampère	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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This table is a recommendation for the cable guide surface (MM^2) with cable lengths of 1-50 m. For 24 Volt LED connected in parallel fixtures (voltage controlled). Note that this table is a recommendation, accountability is at all times for the installing person.
If necessary, use the law of Pouillet, (A x R = p x l) the calculation of electrical conductivity and resistance.

Keep as much as possible the shortest way for 24Volt cables.
Transformer capacity must be 10% higher than the sum of taxes.

When using this table always handle full power (wattage).
So assuming that all the LEDs light up fully to the strips.

P = U x I
(Power = voltage (24 volts) times the current)
P (Watts) = U (voltage) times I (ampere)