



Duma G – IP20

Product number: 11412

DUMA G FLEXIBLE LED STRIP - SINGLE COLOR - RGB - SMD5050 60LED P/M

The Duma G LED strip is a product from the Colorgetix Colorlines series. The Duma G LED strip is a flexible LED strip, equipped with 60 SMD5050 LEDs per meter. The Duma G LED strip has an IP level of IP20 and is therefore not water resistant. The LED strip has a voltage of 24v DC. The Colorgetix Duma G LED strip is loved by many, and is used in various lighting projects.

COLORGETIX COLORLINES DUMA G LED STRIP INSTALLATION

The Colorgetix Colorlines Duma G LED strip is easy to install because of its flexibility, and can be cut to a desired size after every 10cm. Because of this, the Duma G LED strip can be installed basically anywhere. To attach the Colorgetix Duma G LED strip, you only have to remove the 3M layer on the backside of the LED strip. Make sure the surface is free of grease and dust, in order to attach the LED strip properly. The strip attaches the best when you carefully place the strip on the desired surface.

USE COLORGETIX COLORLINES DUMA G LED STRIP

The Duma G LED strip from Colorgetix Colorlines series has a capacity of 14,4 W per meter and is loved by architects, light designers and installers. The LED strip has professional SMD5050 LEDs, and is commonly used in restaurants, bars and hotels. Also offices and private homes start using LED lighting more often. Colorgetix is specialized in LED lighting. The use of LED lighting is energy efficient.

DIMMING LED LIGHTS

It has been often said that LED lighting cannot be dimmed. With the special LED dimmers from the Colorgetix Colorcontroller series it is possible to dim LED lighting. The Duma G LED strip can be dimmed with the Colorgetix Gallo LED dimmer 0-10v 1x 8A 5- 24 volt DC and the Colorgetix Alce LED dimmer 12-24 volt DC 8A from the Colorcontroller series. The desired illumination of your Duma G LED strip can be controlled with every 0-10 volt potentiometer. To install the Duma G LED strip, you need a LED driver from the Colordriver series. 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 pays the utmost attention to its products, which quality is constantly monitored. Our products have a long life, but how small the chance is, it can always happen that a product fails. For products that do not seem to work, by manufacturing faults or because of us, we will provide a replacement product within the warranty period. If the product stops working due to improper use and we have come to remedy the problems, then we are forced to make charges. ColorGetix not be liable for any consequential damages.

Specifications

Capacity:	14,4 W per meter
Type of LED:	SMD5050
Amount of LED's:	60 per meter
Beam angle:	120 °
Shortest cut distance:	10 cm
IP Norm:	IP 20
Ampère (max):	0.6 Ampère per meter
Voltage:	24V DC
Maximum to connect:	5 Ampère
Length:	Role 5 meter
Width:	10 mm
Height:	2 mm



24 Volt		Cable inner conductor 1.5mm ²					Cable inner conductor 2.5mm ²					Cable inner conductor 4mm ²				
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
1																
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3																
4																
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This table is a recommendation for the cable guide surface (MM²) 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, ($A \times R = p \times l$) 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.

$P = U \times I$
(Power = voltage (24 volts) times the current)
 $P (\text{Watts}) = U (\text{voltage}) \times I (\text{ampere})$