**Data sheet code: 07URGB2420EXPX**

Technisches Datenblattsheet
Fiche technique
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Technical datasheet
Scheda tecnica

# DURASTRIP RGB PIXEL CONTROL IP65

DURASTRIP Pixel Control allows each segment (10 cm) of LEDs to be controlled independently.
This means it is possible to manage an infinite number of combinations of dynamic colour on an infinite number of colours from the RGB + white 4 in 1 chip, with colours ranging from pastel shades to pure RGB.
Pixel Control is the most attractive, amazing, and easily applied dynamic light solution. It connects directly to the DMX512 signal on the control system, considering that the segments are configured on the addresses from 1 to 50.

## Installation
Complete with 3M double-sided tape to attach to the surface.
When using double-sided tape degrease the application surface adequately.
**Always use with aluminium profiles for heat dissipation.**

## Usage information
Dimmable 0-100%
DMX 512 SIGNAL

## Packaging
Packaged in 5 meters reels.
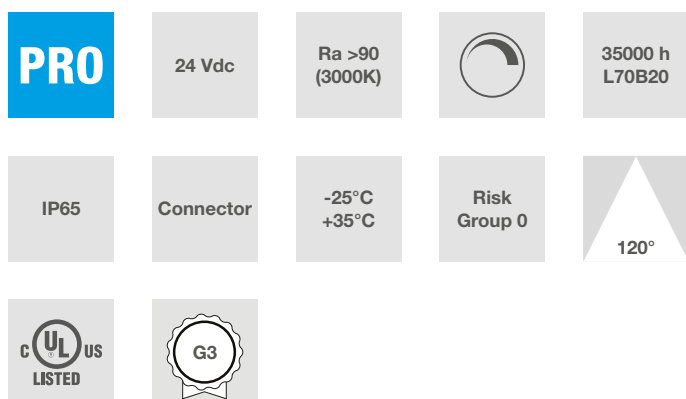Or custom products cut to specific lengths see page 11, 322.

## LED
LED 5050RGBW DMX
60 LED/m
100W (20W/m)
24VDC
Lifetime: >35,000h
Warranty: 3 years

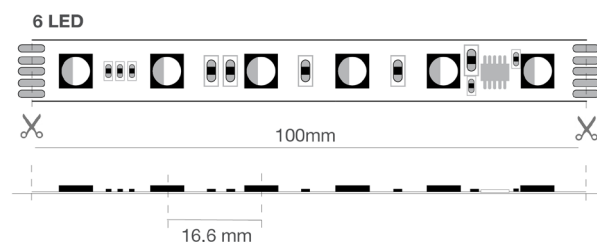## Colour of the light
RGB + 3000K (Ra>90)

## Connections
Complete with IP68 / 68 Male/Female wire on 2 sides, length 15 cm.
Strips can be cut to size by following the cutting indications printed on the strips.
The electrical connection must be from PI to PO strictly following the direction of the arrow printed on PCB: if the connection is reversed, it will be impossible to control the strip and it might even be damaged.

| PRO | 24 Vdc | Ra >90 (3000K) | | 35000 h L70B20 |
| IP65 | Connector | -25°C +35°C | Risk Group 0 | 120° |
| UL LISTED c us | G3 | | | |

## Characteristic data

| Power | 100 W | Beam | 120° | Dimmable | Yes | Input | 24 Vdc |
|---|---|---|---|---|---|---|---|
| Base | Connector | IP | 65 | Tc | 3000K + RGB | Ra | >90 (3000K) |
| LED Warranty | G3 | RG | RG0 | | | | |

## Dimensional characteristics

6 LED



100mm

16,6 mm

| L | 5000 mm |
|---|---|
| L1 | 14 mm |
| H | 4 mm |

| Cutting pitch | 100 mm |
|---|---|
| LED pitch | 16.6 mm |

## Lighting and photometric features

| Beam opening | 120° |
|---|---|
| Nominal flux per mt | 280 lm/m |
| CCT nominal colour temperature | 3000K + RGB |
| Colour of the light | RGB+White |
| Colour rendering index | >90 (3000K) |
| Lifespan | 35000 h |
| LED lifespan | L70B20 |
| Trigger time | <0,2 s |
| Heating time up to 60% of full efficiency | Instant Full Light |
| Mercury | 0 mg |

## Electrical characteristics

| Rated power | 100 W |
|---|---|
| Input voltage | 24 Vdc |
| Dimmable | Yes |
| Number of cycles | 70000 |
| Operating temperature | -25°C / +35°C |
| Operating position | 360° |

## Photometry



| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra90 | | | 117° | |
| Fixture Power | 20W | 1 | 3.25 | 88 |
| Source Flux | 280lm | 2 | 6.50 | 22 |
| Fixture Flux | 280lm | 3 | 9.74 | 10 |
| Efficacy | 14lm/W | 4 | 12.99 | 6 |
| Imax | 88cd | 5 | 16.24 | 4 |

950231    Imax=316cd/klm

EuLumDat file on the site

## LED Warranty

| G3 | Up to 3 years<br>(4000h/year) *4000h = 11h a day x 365 days.<br>Without limitations on the duration of use for the first year, provided the observance of the installation conditions. |
|---|---|

## European Directives

2009/125/EC * Ecodesign
2011/65/EU * RoHS
2012/19/EU * RAEE
2014/30/EU * EMC
2015/863 * Amending RoHS
2017/1369 * Regulation for Energy Labelling
2019/2015 * Regulation for Energy Labelling
2019/2020 * Regulation for Ecodesign
2021/340 * Amending Reg. Energy Labelling
2021/341 * Amending Reg. Ecodesign

## Product standards

CEI EN 55015:2020 (+A11:2020)
CEI EN 60598-1:2022
CEI EN 60598-2-1:2022
CEI EN 61000-3-2:2019 (+A1:2021)
CEI EN 61000-3-3:2014 (+EC1:2014/+EC2:2016/+A1:2021/+A2:2022)
CEI EN 61547:2010
CEI EN 62031:2021 (+A11:2022)
CEI EN 62471:2010
IEC/TR 62471-2:2009
CEI EN 62493:2015
CEI 34-141:2014

## Logistics data

| Barcode single item | 8011905950231 |
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