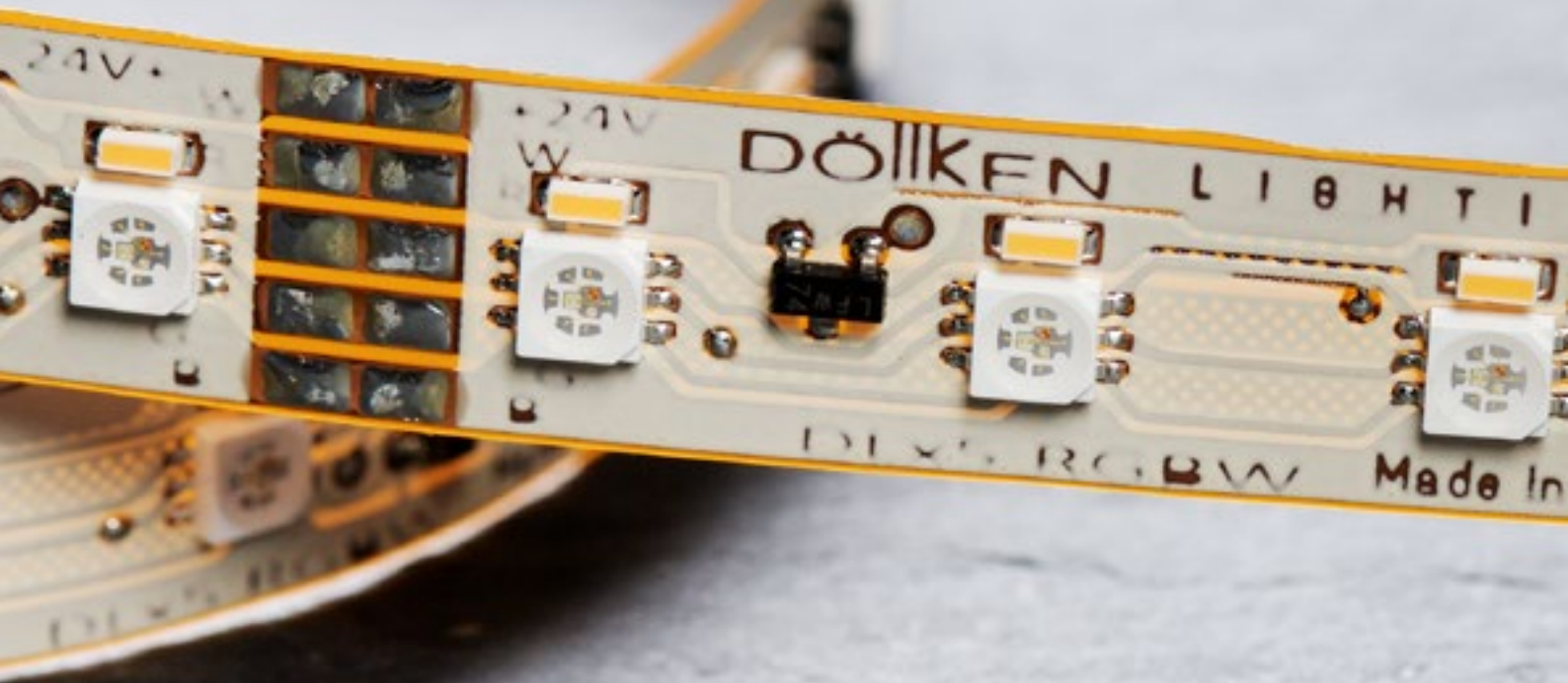


Dlx5 10/RGBW



Product specification sheet

Our unprotected conductor film is primarily designed for indoor use, and its lack of sheathing enables it to demonstrate its full energy efficiency. The flexible LED strip can be installed with or without a self-adhesive strip and can be easily retrofitted to existing profiles.

Let's design our future.

Döllken
Lighting

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we create.
we innovate.

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dimensions

measures	10 x 2 mm
step length	57 mm
pitch	11,4 mm
max. connection length	5,13 m

light

CCT of PCB*	2K7+RGB-Version
luminous flux**	640 - 1.300 lm/m
binning	White Binning and MacAdam Step4
CRI of PCB [Ra]	-
expected life time	30.000 h, LM70

electrical

voltage	24 V
power	33,7 W/m
LEDs per step	5
current per step***	80 mA
constant current driver each step	yes
ESD protection	yes
inverse polarity connection	yes
Tc°	65°C
dimable	yes, only PWM
needed driver must comply	24 V DC SELV

mechanical

dimensions of smallest operating unit	57 x 10 x 2 mm
suitable mounting method***	glue
degree of protection (strip)	IP00
degree of protection (connection)	IP00
mechanical impact protection	IK00
bending radius vertical	50 mm
bending radius horizontal	200 mm
aluminium profil dimensions	-
aluminium profil colour	-

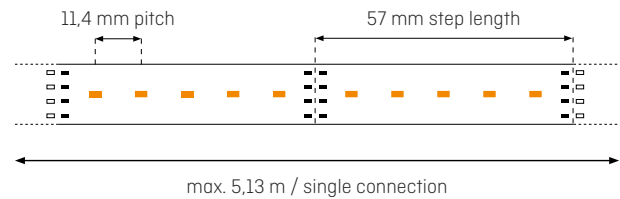
encapsulation

combustibility class	-
dielectric strength	-
halogen free	-
chlorine free	yes

environmental /compliances

ambient temperature	-20 °C to + 55 °C
WEEE-Reg. No.	41380720, Döllken Lighting Flex Line
compliances	CE, RoHS, DIN EN 62031:2008, DIN EN 62717
warranty	5 years (conditions apply)
energy efficiency class	A - A++

step schematic



* correlated colour temperature of PCB, encapsulation will affect the colour temperature
 ** luminous flux is related to 5.000 K, warmer colour temperatures will reduce the luminous flux, all data are showing typical values, actual lumen output can be less and depends also on surface colour
 *** at full power of all channels
 **** the LED modules are being delivered without any adhesive tape or glue, aluminum profiles have to be ordered separately, recommendations regarding suitable glue/tapes are being given for individual projects

Product	short form	CCT	article number
LED Band RGBW DLx5	DLx5 10/RGBW	2K7+RGB-Version	5114438

Döllken Profiles GmbH
Döllken Lighting
Gewerbepark U.N.O. | Stangenallee 3
99428 Nohra | Germany
Tel.: +49 (0) 36 43 / 41 70-540
E-Mail: info@doellken-lighting.com
www.doellken-lighting.com