

DLx/1040



# 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.

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Lighting

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## dimensions

measures	10 x 2 mm
step length	50 mm
pitch	7,14 mm
max. connection length*	4,8 m

## light

CCT of PCB**	2.7/3/4/5.000 K
luminous flux***	2.000 lm/m
binning	MacAdam Step 3
CRI of PCB [Ra]	> 90
expected life time	50.000 h, LM70

## electrical

voltage	24 V
power	19,2 W/m
LEDs per step	7
current per step	40 mA
constant current driver each step	yes
ESD protection	no
inverse polarity connection	yes
Tc°	55°C
dimnable	yes, only PWM
needed driver must comply	24 V DC SELV

## mechanical

dimensions of smallest operating unit	50 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	20 mm
bending radius horizontal	200 mm
aluminium profil dimensions	-
aluminium profil colour	-

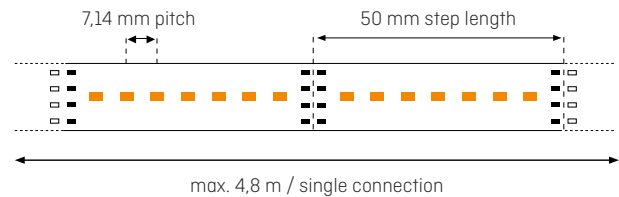
## encapsulation

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

## environmental /compliances

ambient temperature	-20 °C to + 60 °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



- \* maximum connection length with constant light output depends on cable length
- \*\* 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
- \*\*\*\* 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 Band2K7 DLx/1040/2K7	DLx/1040/2K7	2.700 K	5118259
LED Band3K0 DLx/1040/3K	DLx/1040/3K	3.000 K	-
LED Band4K0 DLx/1040/4K	DLx/1040/4K	4.000 K	-
LED Band5K0 DLx/1040/5K	DLx/1040/5K	5.000 K	-

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