

Linear LED modules DAISY-7X1 & DAISY-28X1 4C

A linear solution for premium class indoor lighting. Optimized for LEDi's DAISY-7X1 & DAISY-28X1 optics. Compatible with BRIANNA optics.

Product description

- Long life-time
- Built-in, constant current LED module
- Re-workable push-in terminals enabling easy connection
- Compliance and approval: CE, ENEC
- 4C - four connectors for parallel system, also recognized as a low voltage system - SELV
- Other CCT and CRI on request



LinLED CRI 80 CN G3

Product name	Ordering code	Colour temperature [K]	Current nominal If nom [mA]	Luminous flux ¹ φ [lm]	Useful luminous flux ² [lm]	Voltage ¹ Vf [V]	Power ¹ P [W]	Efficacy ¹ [lm/W]	Current minimum If min ³ [mA]	Current maximum If max [mA]	Energy Efficiency Class
LinLED 280x24mm 1100lm 830 4C 42V DAISY-7X1 CN G3	1010 147 23046	3000	160	1091	1130	38	6.1	178	20	300	C
LinLED 560x24mm 2200lm 830 4C 42V DAISY-7X1 CN G3	1010 147 23146		320	2183	2259	38	12	178	40	600	C
LinLED 1120x24mm 4400lm 830 4C 42V DAISY-28X1 CN G3	1010 147 23246		640	4366	4518	38	25	178	80	1200	C
LinLED 280x24mm 1100lm 840 4C 42V DAISY-7X1 CN G3	1010 147 23346	4000	160	1151	1192	38	6.1	188	20	300	C
LinLED 560x24mm 2200lm 840 4C 42V DAISY-7X1 CN G3	1010 147 23446		320	2303	2383	38	12	188	40	600	C
LinLED 1120x24mm 4400lm 840 4C 42V DAISY-28X1 CN G3	1010 147 23546		640	4606	4767	38	25	188	80	1200	C

¹At nominal current and T_p

²At nominal current and 25°C

³It is recommended not to operate below minimum current in order to avoid un-even brightness

Tolerance range for optical and electrical ±10%

Temperature & humidity

Specification item	Unit	Value
T _p	[°C]	45
T _{p rated}	[°C]	65
T _c	[°C]	85
Relative humidity (non-condensing)	[%]	5 ... 85
Storage ambient temperature	[°C]	-25 ... +85
Storage relative humidity (non-condensing)	[%]	5 ... 85

T_p - Temperature related to the performance parameters of the LED modules

T_{p rated} - Maximum operating temperature to which the rated performance characteristics are declared

T_c - Highest permissible value for safe operation

Technical data

Specification item	Unit	Value
Classification acc. to IEC 62031		built-in
Working voltage	[Vdc]	60
Beam angle	[deg]	120
Initial color consistency	[SDCM]	3
Photobiological safety		RG1 unlimited

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Color coordinates

According to CIE 1931

Specification item	CIE _x	CIE _y
2700K	0.4578	0.4101
3000K	0.4338	0.4030
4000K	0.3818	0.3797
6500K	0.3123	0.3282

Certificates & standards

Specification item	Compliant
ENEC	Yes
CE	Yes
RoHS	Yes
REACH	Yes
IP rating	No IP rating

Lumen maintenance

for LinLED CN G3

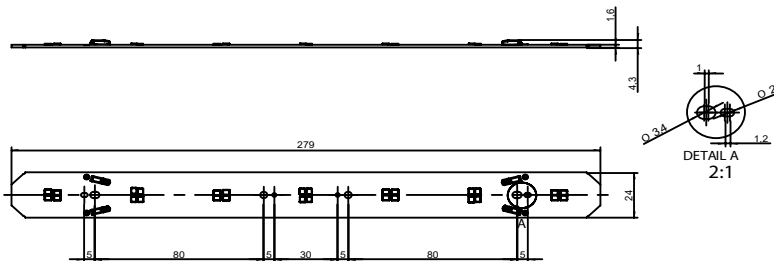
Forward current	Tp temp.	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
	55°C	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
	65°C	>102 000	>102 000	>102 000	>102 000	87 000	86 000
	75°C	>102 000	>102 000	>102 000	>102 000	74 000	73 000
	85°C	>102 000	>102 000	>102 000	>102 000	63 000	62 000
If max	45°C	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
	55°C	>102 000	>102 000	>102 000	>102 000	100 000	99 000
	65°C	>102 000	>102 000	>102 000	>102 000	85 000	84 000
	75°C	>102 000	>102 000	>102 000	>102 000	71 000	70 000
	85°C	>102 000	>102 000	>102 000	>102 000	61 000	60 000

reported data based on LM80 LED data (L7000h)

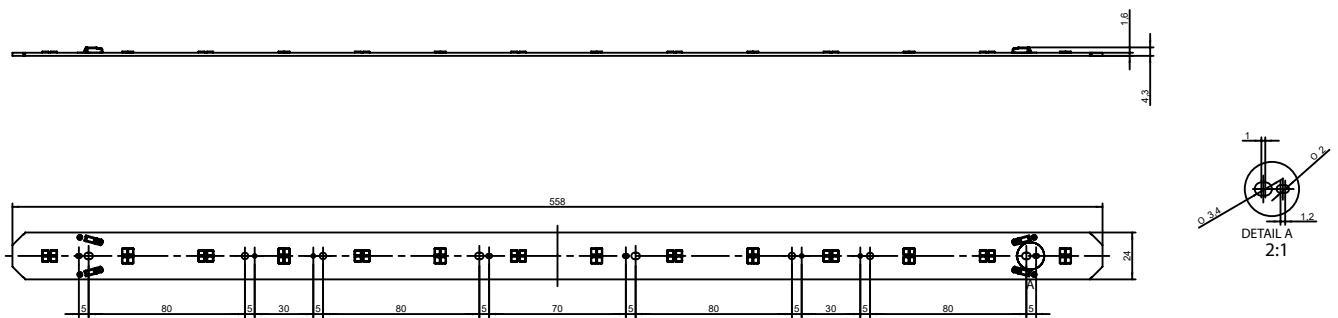
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Dimensions

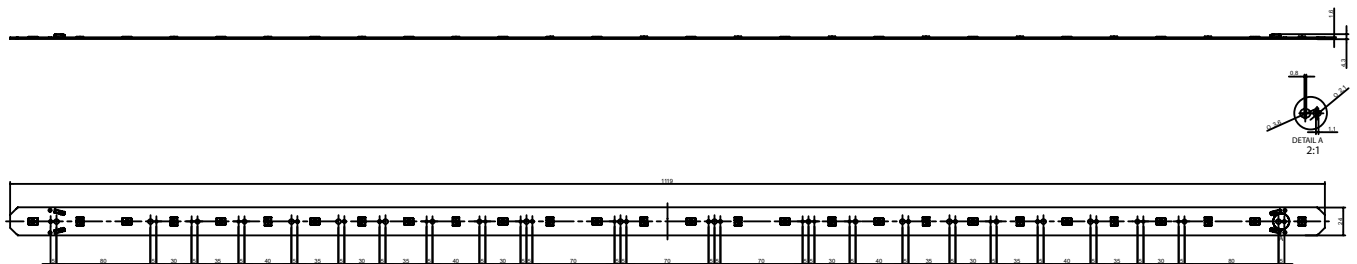
LinLED 280x24mm



LinLED 560x24mm



LinLED 1120x24mm



Mounting

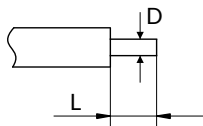
LED Modules cannot be exposed to tensile or compressive stresses. For this purpose it is necessary that the modules are assembled to a flat surface by only rounded head screws. Additionally plastic flat washer should be used to ensure creepeage distance between screw's head and surface of the pcb. Max. torque for fixing: 0,5Nm.

LED modules are sensitive to electrostatic discharge (ESD). Follow safety regulations according to IEC 61340-5-1.

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Wiring

Wire cross section and strip length:



D - wire cross section solid and flexible wires	Min	Max
	0.2mm ²	0.5mm ²
	AWG 24	AWG 20

L - strip length	
	7mm

Opening for the release of wires from the top with release tool BJB art. 46.141.U801.89:

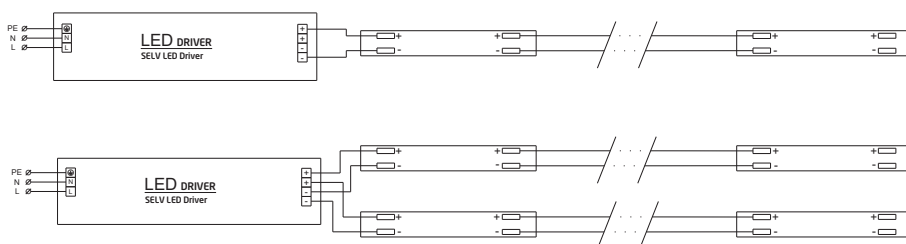


Connections

Max number of modules	Unit	Series	Parallel
LinLED 280x24mm...	[pcs]	-	6
LinLED 560x24mm...	[pcs]	-	3
LinLED 1120x24 mm...	[pcs]	-	1

You can combine different lengths of LED modules so that the maximum length does not exceed 1680mm

Wiring for parallel connection system (4C)



To prevent irregular luminous intensity in parallel connection use only LED modules from the same V-code group.

V-code (e.g. "A", "B", "AB") is printed on the LED module and box label. Naming is not adequate to efficacy or luminous flux.

Energy Label / EPREL database

To obtain Energy Label for this product visit <https://eprel.ec.europa.eu/> and enter model identifier

Model identifier consists of 10 digits XXXX XXX XXX. It is printed directly on the LED module or on product label. This is the number you can see in EPREL database.

Ordering code consist of 12 digits XXXX XXX XXX46. Additional last two digits means packaging of the product.

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Ordering codes

Product name	Ordering code	Pieces per box	Pieces per pallet	Box dimensions [mm]
LinLED 280x24mm 1100lm 830 4C 42V DAISY-7X1 CN G3	1010 147 23046	160	19200	300 x 266 x 83
LinLED 560x24mm 2200lm 830 4C 42V DAISY-7X1 CN G3	1010 147 23146	160	9600	603 x 266 x 83
LinLED 1120x24mm 4400lm 830 4C 42V DAISY-28X1 CN G3	1010 147 23246	160	4800	1128 x 266 x 83
LinLED 280x24mm 1100lm 840 4C 42V DAISY-7X1 CN G3	1010 147 23346	160	19200	300 x 266 x 83
LinLED 560x24mm 2200lm 840 4C 42V DAISY-7X1 CN G3	1010 147 23446	160	9600	603 x 266 x 83
LinLED 1120x24mm 4400lm 840 4C 42V DAISY-28X1 CN G3	1010 147 23546	160	4800	1128 x 266 x 83