

Linear LED modules DAISY-7X1(ZT25) 4C

A linear solution for premium class indoor lighting. Optimized for LEDiL's DAISY-7X1 optics.

Product description

- Long life-time
- Built-in, constant current LED module
- Re-workable push-in terminals enabling easy connection
- Compliance and approval: CE
- 4C - four connectors for parallel system, also recognized as a low voltage system - SELV
- ZT25 version dedicated for LEDiL DAISY 7x1 ZT-25, 7x1-WAS and 7x1-O
- Other CCT and CRI on request



LinLED CRI 80 G4

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 274x24mm 1100lm 830 4C 42V DAISY-7X1(ZT25) G4	1010 137 17346	3000	160	1097	1124	39	6.3	174	10	450	C
LinLED 274x24mm 1100lm 840 4C 42V DAISY-7X1(ZT25) G4	1010 137 17446	4000	160	1141	1169	39	6.3	181	10	450	C

LinLED CRI 90 S8 K G7

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 274x24mm 1100lm 930 4C 42V DAISY-7X1(ZT25)S8 K G7	1010 137 92046	3000	155	1093	1091	40	6.1	178	10	200	C
LinLED 274x24mm 1100lm 940 4C 42V DAISY-7X1(ZT25)S8 K G7	1010 137 92146	4000	155	1155	1153	40	6.1	188	10	200	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

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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

Color coordinates

According to CIE 1931

Specification item	CIE _x	CIE _y
3000K	0.4338	0.4030
4000K	0.3818	0.3797

Certificates & standards

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

Lumen maintenance

for S8 K G7, S7 K G7, S5 K G6

Forward current	T _p temp.	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C	>120 000	>120 000	85 000	82 000	45 000	44 000
	55°C	108 000	104 000	69 000	68 000	36 000	35 000
	65°C	90 000	87 000	57 000	56 000	29 000	29 000
	75°C	75 000	74 000	48 000	47 000	24 000	24 000
	85°C	64 000	63 000	41 000	40 000	20 000	20 000
If max	45°C	104 000	100 000	67 000	65 000	36 000	35 000
	55°C	85 000	83 000	55 000	54 000	29 000	28 000
	65°C	71 000	69 000	46 000	45 000	23 000	23 000
	75°C	60 000	59 000	38 000	38 000	19 000	19 000
	85°C	51 000	50 000	32 000	32 000	16 000	16 000

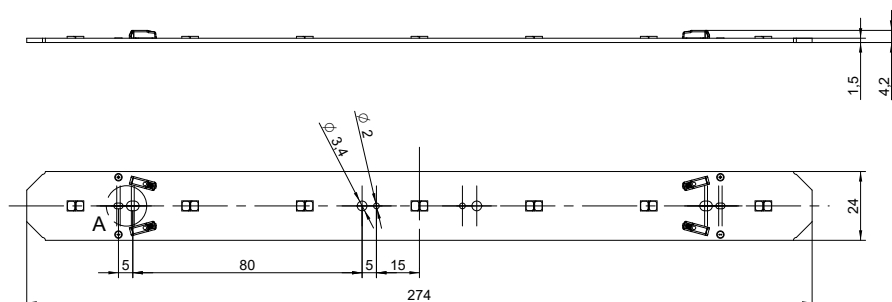
Calculated data based on LM80 LED data (20 000h)

for G4

Forward current	T _p 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	>100 000
	55°C	>102 000	>102 000	>102 000	>102 000	97 000	96 000
	65°C	>102 000	>102 000	>102 000	>102 000	82 000	81 000
	75°C	>102 000	>102 000	>102 000	>102 000	69 000	68 000
	85°C	>102 000	>102 000	>102 000	>102 000	59 000	58 000

reported data based on LM80 LED data (17 000h)

Dimensions



Mounting

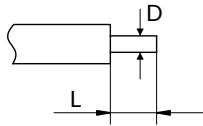
LED Modules cannot be exposed to tensile or compressive stresses. For this purpose it is necessary that the modules are assembled to a flat surface by only rounded head screws. Additionally plastic flat washer should be used to ensure creepage distance between screw's head and surface of the pcb. Max.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

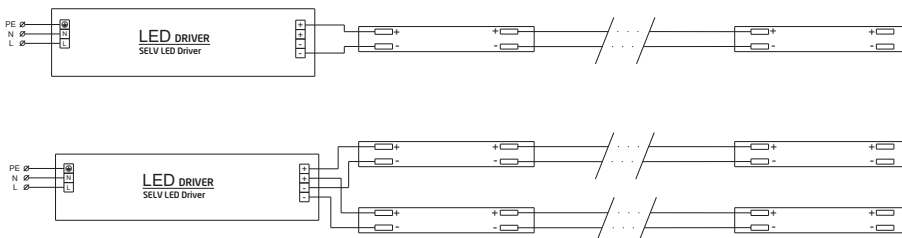
Opening for the release of wires from the top with release tool BJB art. 46.141.U801.89:



Connections

Max number of modules	Unit	Series	Parallel
LinLED 274x24mm...	[pcs]	-	8
LinLED 280x28mm...	[pcs]	-	6

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.

Ordering codes

Product name	Ordering code	Pieces per box	Pieces per pallet	Box dimensions [mm]
LinLED 274x24mm 1100lm 830 4C 42V DAISY-7X1(ZT25) G4	1010 137 17346	160	19200	300 x 266 x 83
LinLED 274x24mm 1100lm 840 4C 42V DAISY-7X1(ZT25) G4	1010 137 17446	160	19200	300 x 266 x 83
LinLED 274x24mm 1100lm 930 4C 42V DAISY-7X1(ZT25)S7 K G7	1010 137 92046	160	19200	300 x 266 x 83
LinLED 274x24mm 1100lm 940 4C 42V DAISY-7X1(ZT25)S7 K G7	1010 137 92146	160	19200	300 x 266 x 83