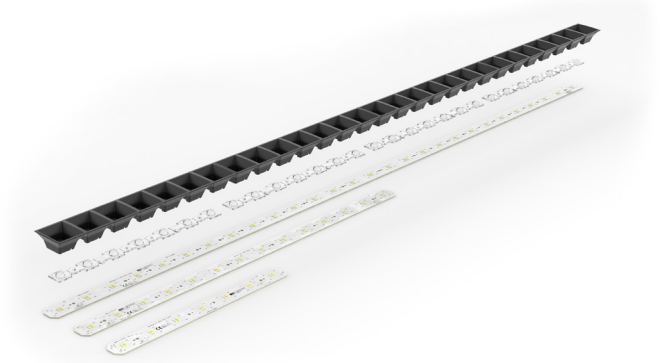


Linear LED modules DAISY-7X1 & DAISY-28X1 2C

A linear solution for premium class indoor lighting. Optimized for LEDiL'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
- 2C - two connectors for series system, also recognized as a high voltage system - non-SELV
- Other CCT and CRI on request



The image shows version 2C. The number of connectors may vary depending on the type of module.



LinLED CRI 80 S8 G5

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 2C 21V DAISY-7X1 S8 G5	1010 147 94646	3000	300	1100	1133	19	5,7	194	40	800	C
LinLED 560x24mm 2200lm 830 2C 42V DAISY-7X1 S8 G5	1010 147 94746		300	2200	2265	38	11	194	40	800	B
LinLED 1120x24mm 4400lm 830 2C 84V DAISY-28X1 S8 G5	1010 147 94846		300	4400	4530	76	23	194	40	800	C
LinLED 280x24mm 1100lm 840 2C 21V DAISY-7X1 S8 G5	1010 147 95046	4000	300	1162	1197	19	5,7	205	40	800	C
LinLED 560x24mm 2200lm 840 2C 42V DAISY-7X1 S8 G5	1010 147 95146		300	2325	2394	38	11	205	40	800	B
LinLED 1120x24mm 4400lm 840 2C 84V DAISY-28X1 S8 G5	1010 147 95246		300	4649	4787	76	23	205	40	800	B
LinLED 280x24mm 2x550lm 827-865 2x2C 21V DAISY-7X1 S8 G5	1010 147 95446	2700	150	530	545	19	2,8	187	20	400	C
		6500	150	566	582	19	2,8	199	20	400	
LinLED 560x24mm 2x1100lm 827-865 2x2C 42V DAISY-7X1 S8 G5	1010 147 95546	2700	150	1059	1091	38	5,7	187	20	400	C
		6500	150	1131	1165	38	5,7	199	20	400	
LinLED 1120x24mm 2x2200lm 827-865 2x2C 84V DAISY-28X1 S8 G5	1010 147 95646	2700	150	2119	2182	76	11	187	20	400	C
		6500	150	2262	2329	76	11	199	20	400	

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 2C 21V DAISY-7X1 CN G3	1010 147 21246	3000	320	1091	1130	19	6,1	178	40	600	C
LinLED 560x24mm 2200lm 830 2C 42V DAISY-7X1 CN G3	1010 147 21346		320	2183	2259	38	12	178	40	600	C
LinLED 1120x24mm 4400lm 830 2C 84V DAISY-28X1 CN G3	1010 147 21446		320	4366	4518	77	25	178	40	600	C
LinLED 280x24mm 1100lm 840 2C 21V DAISY-7X1 CN G3	1010 147 21546	4000	320	1151	1192	19	6,1	188	40	600	C
LinLED 560x24mm 2200lm 840 2C 42V DAISY-7X1 CN G3	1010 147 21646		320	2303	2383	38	12	188	40	600	C
LinLED 1120x24mm 4400lm 840 2C 84V DAISY-28X1 CN G3	1010 147 21746		320	4606	4767	77	25	188	40	600	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%

Linear LED modules DAISY-7X1 & DAISY-28X1 2C

Temperature & humidity

Specification item	Unit	Value
Tp	[°C]	45
Tp rated	[°C]	65
Tc	[°C]	85
Relative humidity (non-condensing)	[%]	5 ... 85
Storage ambient temperature	[°C]	-25 ... +85
Storage relative humidity (non-condensing)	[%]	5 ... 85

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

Tp rated - Maximum operating temperature to which the rated performance characteristics are declared

Tc - Highest permissible value for safe operation

Technical data

Specification item	Unit	Value
Classification acc. to IEC 62031		built-in
Working voltage	[Vdc]	280
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
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 S8 K G7, S7 K G7, S5 K G6

Forward current	Tp temp.	L70 [h]		L80 [h]		L90 [h]	
		B50	B10	B50	B10	B50	B10
If nom	45°C	>120 000	>120 000	117 000	114 000	62 000	61 000
	55°C	>120 000	>120 000	96 000	94 000	50 000	49 000
	65°C	>120 000	>120 000	80 000	78 000	41 000	40 000
	75°C	104 000	102 000	67 000	65 000	34 000	33 000
	85°C	89 000	87 000	56 000	55 000	28 000	27 000
If max	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

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

for 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	87 000	86 000
	65°C	>102 000	>102 000	>102 000	>102 000	74 000	73 000
	75°C	>102 000	>102 000	>102 000	>102 000	63 000	62 000
	85°C	>102 000	>102 000	>102 000	>102 000	>102 000	>102 000
If max	45°C	>102 000	>102 000	>102 000	>102 000	100 000	99 000
	55°C	>102 000	>102 000	>102 000	>102 000	85 000	84 000
	65°C	>102 000	>102 000	>102 000	>102 000	71 000	70 000
	75°C	>102 000	>102 000	>102 000	>102 000	61 000	60 000
	85°C	>102 000	>102 000	92 000	87 000	45 000	42 000

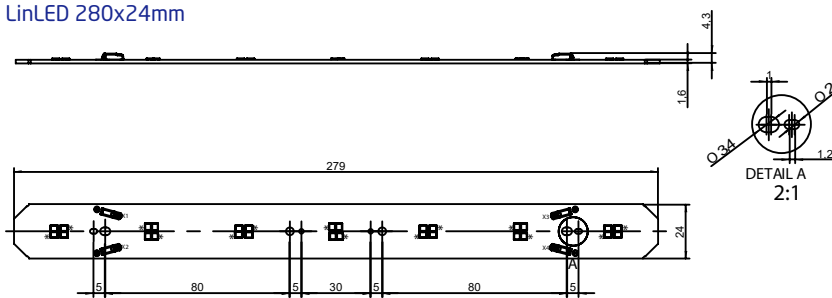
reported data based on LM80 LED data (17000h)

Linear LED modules DAISY-7X1 & DAISY-28X1 2C

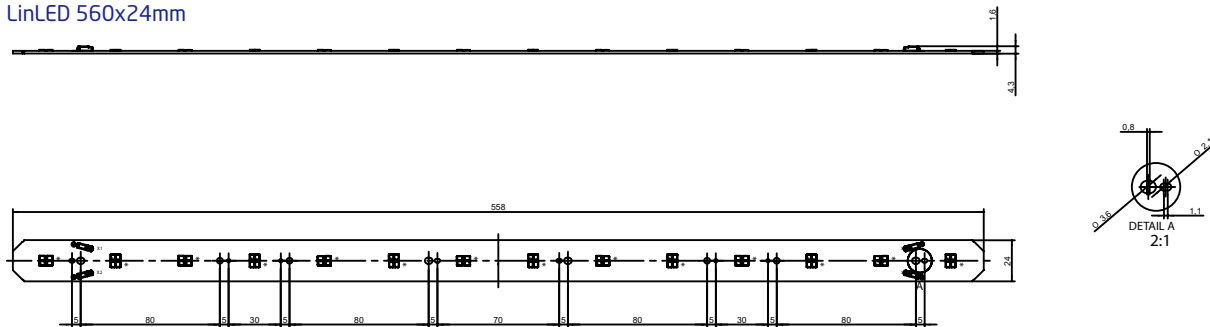
Dimensions

Product name	Connectors (X2,X4)	LED (*)
LinLED 280x24mm 1100lm	No	Yes
LinLED 560x24mm 2200lm	No	Yes
LinLED 1120x24mm 4400lm	No	Yes
LinLED 280x24mm 2x550lm 827-865	Yes	Yes
LinLED 560x24mm 2x1100lm 827-865	Yes	Yes
LinLED 1120x24mm 2x2200lm 827-865	Yes	Yes

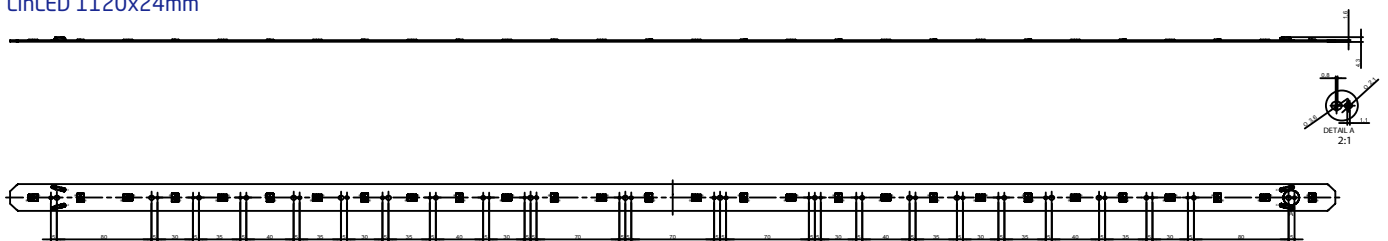
LinLED 280x24mm



LinLED 560x24mm



LinLED 1120x24mm



Linear LED modules DAISY-7X1 & DAISY-28X1 2C

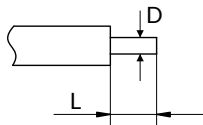
Mounting

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.

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

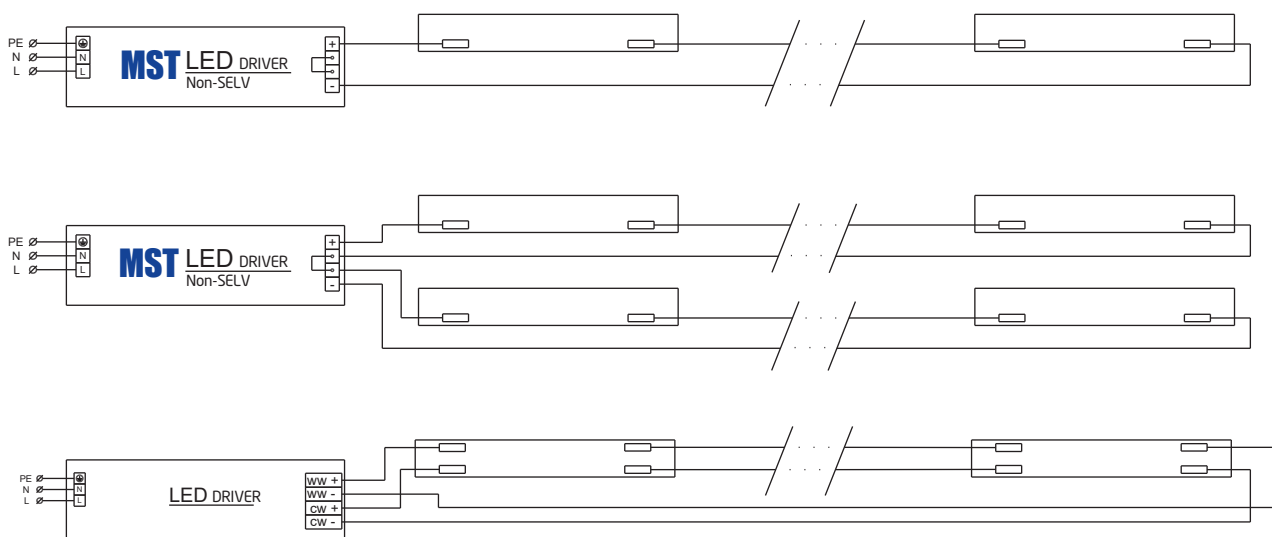
Opening for the release of wires from the top with release tool BJB art. 46.141.U801.89:



Connections

Max number of modules	Unit	Series	Parallel
LinLED 280x24mm...	[pcs]	13	-
LinLED 560x24mm...	[pcs]	6	-
LinLED 1120x24mm...	[pcs]	3	-

Wiring for series connection system (2C)



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.

Linear LED modules DAISY-7X1 & DAISY-28X1 2C

Ordering codes

Product name	Ordering code	Pieces per box	Pieces per pallet	Box dimensions [mm]
LinLED 280x24mm 1100lm 827 2C 21V DAISY-7X1 S8 G5	1010 147 94246	170	20400	300 x 266 x 83
LinLED 560x24mm 2200lm 827 2C 42V DAISY-7X1 S8 G5	1010 147 94346	170	10200	603 x 266 x 83
LinLED 1120x24mm 4400lm 827 2C 84V DAISY-28X1 S8 G5	1010 147 94446	170	5100	1198 x 266 x 83
LinLED 280x24mm 1100lm 830 2C 21V DAISY-7X1 S8 G5	1010 147 94646	170	20400	300 x 266 x 83
LinLED 560x24mm 2200lm 830 2C 42V DAISY-7X1 S8 G5	1010 147 94746	170	10200	603 x 266 x 83
LinLED 1120x24mm 4400lm 830 2C 84V DAISY-28X1 S8 G5	1010 147 94846	170	5100	1198 x 266 x 83
LinLED 280x24mm 1100lm 840 2C 21V DAISY-7X1 S8 G5	1010 147 95046	170	20400	300 x 266 x 83
LinLED 560x24mm 2200lm 840 2C 42V DAISY-7X1 S8 G5	1010 147 95146	170	10200	603 x 266 x 83
LinLED 1120x24mm 4400lm 840 2C 84V DAISY-28X1 S8 G5	1010 147 95246	170	5100	1198 x 266 x 83
LinLED 280x24mm 2x550lm 827-865 2x2C 21V DAISY-7X1 S8 G5	1010 147 95446	160	19200	300 x 266 x 83
LinLED 560x24mm 2x1100lm 827-865 2x2C 42V DAISY-7X1 S8 G5	1010 147 95546	160	9600	603 x 266 x 83
LinLED 1120x24mm 2x2200lm 827-865 2x2C 84V DAISY-28X1 S8 G5	1010 147 95646	160	4800	1128 x 266 x 83
LinLED 280x24mm 1100lm 830 2C 21V DAISY-7X1 CN G3	1010 147 21246	170	20400	300 x 266 x 83
LinLED 560x24mm 2200lm 830 2C 42V DAISY-7X1 CN G3	1010 147 21346	170	10200	603 x 266 x 83
LinLED 1120x24mm 4400lm 830 2C 84V DAISY-28X1 CN G3	1010 147 21446	170	5100	1198 x 266 x 83
LinLED 280x24mm 1100lm 840 2C 21V DAISY-7X1 CN G3	1010 147 21546	170	20400	300 x 266 x 83
LinLED 560x24mm 2200lm 840 2C 42V DAISY-7X1 CN G3	1010 147 21646	170	10200	603 x 266 x 83
LinLED 1120x24mm 4400lm 840 2C 84V DAISY-28X1 CN G3	1010 147 21746	170	5100	1198 x 266 x 83