

Mechanical properties

Protection class	I
Degree of protection	IP44 / IP64
IK-classification	IK08
Operating temperature	-25...+40 °C -40...+50 °C (Industry)



Body structure / other technical information	Frame aluminium profile, ends durable and fire-retardant V-0-fire classified PC-plastic.
General information / product information	SNEP Linear S + is the latest addition to the S-luminaire family. The cost-effective general lighting fits especially for lattice installations in renovation and new buildings. The recycled aluminum body removes heat from the electronic components of the luminaire and applications vary depending on the chosen optic options, including from shelf spaces to the production spaces. The Linear S +, which meets the requirements of the sporting ballast test (DIN 18032-3), is also suitable for sports facilities and coupling options make installation easy. Lighting is manufactured in Finland.
Diffuser / optics	Optical diffuser, high efficiency optical cover micro prism, clear or satin PC.
Mounting	Ceiling, lighting suspension rail, cable, suspended or with adjustable ramp bracket. Installation kits available separately.

Sähkötekniset ominaisuudet

Voltage	220 - 240 V	
Frequency	50 / 60 Hz	
Power	54 / 68 / 88 W	
Control / dimming	On/off, DALI	
Light source	LED	
Electrical connection **	Quick connector or preassembled connection cable (3x1,5mm ² /5x2,5mm ²)	
Power factor	> 0,95	
Luminaire lifespan *	L80B50 100.000 h	
Failure rate *	100.000h /10%	

* In normal room temperature $T_a +25^{\circ}\text{C}$

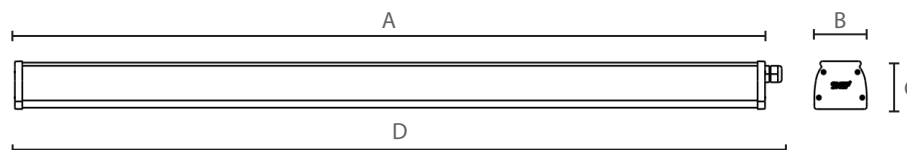
** Also available with different types of cables, lengths, connectors and through-wirings

Not to be installed in condensing environments

There is a $\pm 5\%$ tolerance in output power and luminous flux

Measurements

A	1510 mm
B	85 mm
C	75 mm
D	1550 mm
Weight	3,7 kg



1 LED properties	2 Optical properties	3 Mechanical properties
<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;">8 30</div> <div style="display: flex; justify-content: space-around; font-size: 0.8em;"> Minimum CRI Colour temperature </div>	<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;">P1 C</div> <div style="display: flex; justify-content: space-around; font-size: 0.8em;"> Optics Optical cover </div>	<div style="display: flex; justify-content: space-around; font-size: 2em; font-weight: bold;">44 S</div> <div style="display: flex; justify-content: space-around; font-size: 0.8em;"> Degree of protection Colour </div>

LED options

830 = CRI min. 80 typ. 85, CCT 3000K

840 = CRI min. 80 typ. 85, CCT 4000K

850 = CRI min. 80 typ. 85, CCT 5000K

Light distributions

Polarised light distributions can be found at the end of this datasheet.

P1C = High efficiency optical diffuser and clear cover

P1M = High efficiency optical diffuser and micro prism cover

P1S = High efficiency optical diffuser and satin cover

Degree of protection options

44 = IP44 Protection against object sized over a 1mm and splashing of water

64 = IP64 Cover against dust and splashing water

Colour options

S = Anodised grey

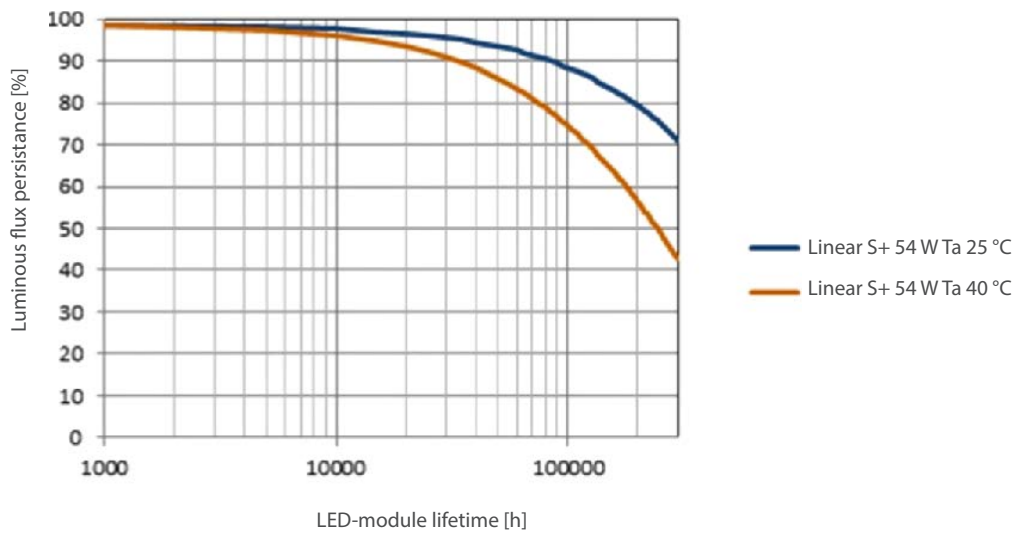
4 Electrical properties				
<div style="font-size: 2em; font-weight: bold;">56</div> <div style="font-size: 0.8em;">Power</div>	<div style="font-size: 2em; font-weight: bold;">1</div> <div style="font-size: 0.8em;">Connection type</div>	<div style="font-size: 2em; font-weight: bold;">1</div> <div style="font-size: 0.8em;">Cable length</div>	<div style="font-size: 2em; font-weight: bold;">0</div> <div style="font-size: 0.8em;">Connector</div>	<div style="font-size: 2em; font-weight: bold;">0</div> <div style="font-size: 0.8em;">Electronics</div>
Power options	Cable length options		Connector options	
56 = 54W 70 = 68W 90 = 88W	0 = no cable 1 = 1,5m 2 = 4m Through-wiring (*) 3 = 1,5m+1,9m 4 = 2,4m+1,9m 5 = 1,5m+3,9m 6 = 1,5m+0,9m		0 = No connector 1 = Wago Winsta (IP 20) 2 = Enstonet (IP 20) 3 = Schuko plug	
Connection options	*The stated cable lengths are the actual lengths that the cable comes out of the luminaire (±0,1 m)		Control options	
0. Quick connection Phoenix QPD 3x1,0-1,5mm ² 1. Connection cable from end (MSK) 1,5mm ² 3. Rubber cable from end (VSKB) 1,5mm ² 4. Connection cable through-wiring (MSK) 2,5mm ² 5. Connection cable through-wiring (VSKB) 2,5mm ² 6. Quick connection through-wiring 5x1,5-2,5mm ² 7. Connection cover 5x2,5mm ² 8. Connection cover through-wiring 5x2,5mm ²			0 = No control 2 = DALI 4 = Industrial (-40...+50°C) 5 = Industrial DALI (-40...+50°C)	

Every combination is not possible

Linear S+ Vakiotuotteet

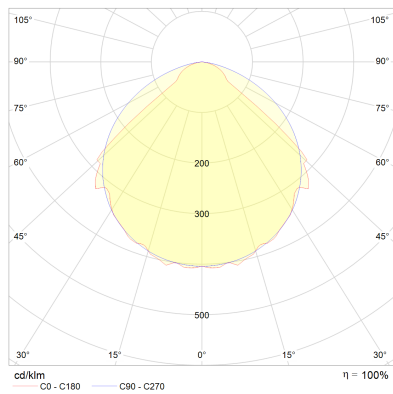
Type	Degree of protection	Operating temperature	IK-class	Optics	Power	Luminous flux (luminaire)
SNEP Linear S+ 840-P1C-44S-701100	IP44	-25...+40°C	IK08	P1C	68W	11180 lm
SNEP Linear S+ 840-P1M-44S-701100	IP44	-25...+40°C	IK08	P1M	68W	9960 lm
SNEP Linear S+ 840-P1S-44S-701100	IP44	-25...+40°C	IK08	P1S	68W	10820 lm
SNEP Linear S+ 840-P1S-44S-901100	IP44	-25...+40°C	IK08	P1S	88W	12930 lm

Luminous flux persistence

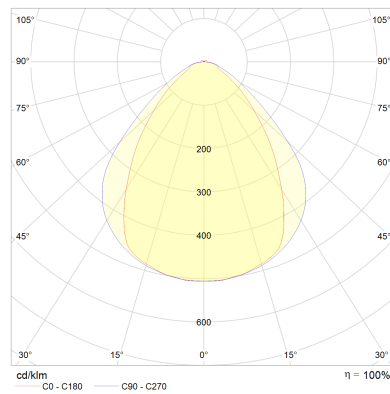


Light distribution charts

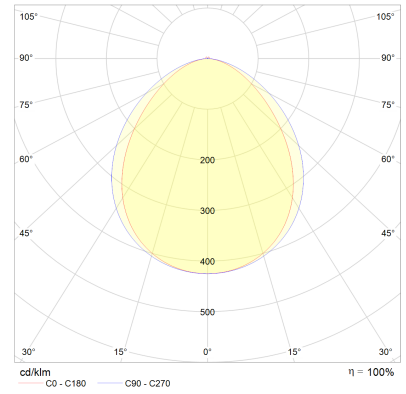
P1C



P1M



P1S



P1C				
Power W	Colour temperature (CCT)	CRI (Ra)	Luminous flux lm (luminaire)	Luminous efficacy lm/W (luminaire)
54	3000K	typ. 85	8590	159
54	4000K	typ. 85	8950	166
54	5000K	typ. 85	9200	170
68	3000K	typ. 85	10710	158
68	4000K	typ. 85	11180	164
68	5000K	typ. 85	11490	169
88	3000K	typ. 85	12820	146
88	4000K	typ. 85	13370	152
88	5000K	typ. 85	13730	156

P1M				
Power W	Colour temperature (CCT)	CRI (Ra)	Luminous flux lm (luminaire)	Luminous efficacy lm/W (luminaire)
54	3000K	typ. 85	7660	142
54	4000K	typ. 85	7980	148
54	5000K	typ. 85	8200	152
68	3000K	typ. 85	9560	141
68	4000K	typ. 85	9960	146
68	5000K	typ. 85	10230	150
88	3000K	typ. 85	11430	130
88	4000K	typ. 85	11920	135
88	5000K	typ. 85	12240	139

P1S				
Power W	Colour temperature (CCT)	CRI (Ra)	Luminous flux lm (luminaire)	Luminous efficacy lm/W (luminaire)
54	3000K	typ. 85	8310	154
54	4000K	typ. 85	8660	160
54	5000K	typ. 85	8900	165
68	3000K	typ. 85	10370	153
68	4000K	typ. 85	10820	159
68	5000K	typ. 85	11100	163
88	3000K	typ. 85	12410	141
88	4000K	typ. 85	12930	147
88	5000K	typ. 85	13280	151