

Mechanical properties

Protection class	I
Degree of protection	IP44 / IP64
IK-classification	IK08
Operating temperature	-25...+40 °C -40...+50 °C (Industry) -40...+40 °C (Industry 145W and 155W)



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 SI has been developed specifically for the needs of industry and it is at its best, for example, warehouse shelf slots, and the ice hockey halls up to 12 meters height. The recycled aluminum body removes heat from the electronic components of the luminaire and optics options allow for innovative applications. The Linear SI meets the requirements of the sporting ballast test (DIN 18032-3) and replaces traditional illumination solutions with its excellent light output. With the industrial connector Linear SI is an excellent choice for challenging conditions and versatile coupling and mounting solutions make it possible for the luminaire to be fit in any space even in the design phase. 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.

Electrical values

Voltage	220 - 240 V	
Frequency	50 / 60 Hz	
Power	110 / 130 / 145 W / 155W	
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	1520 mm	
B	85 mm	
C	75 mm	
D	1550 mm	
Weight	3,8 kg	

1 LED properties		2 Optical properties		3 Mechanical properties	
8	30	P1	C	44	S
Minimum CRI	Colour temperature	Optics	Optical cover	Degree of protection	Colour
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	

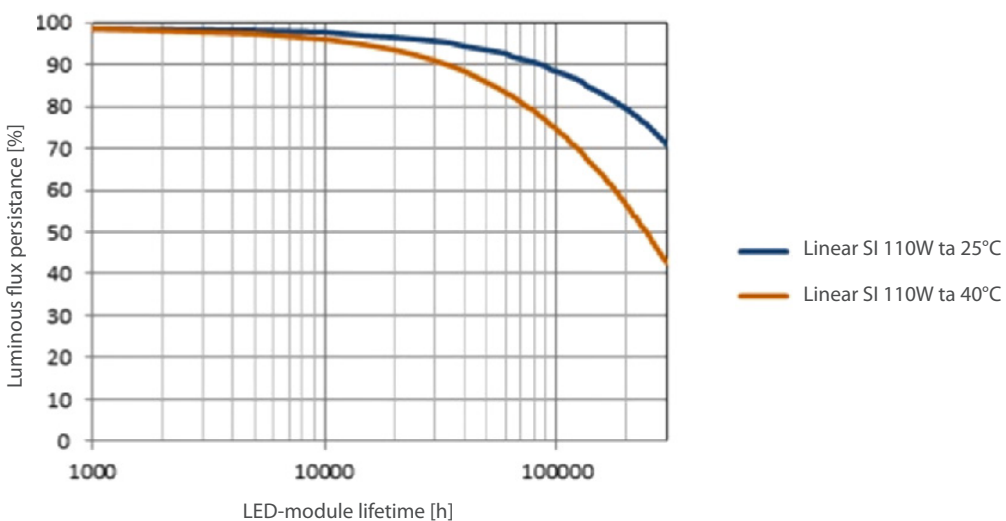
4 Electrical properties				
11	0	0	0	0
Power	Connection type	Cable length	Connector	Electronics
Power options 11 = 110 W 13 = 130 W 15 = 145 W (Max. T _a +40°C) 16 = 155 W (Max. T _a +40°C)		Cable length options 0 = no cable 1 = 1,5m 2 = 4m Through-wiring (*) 3 = 1,5m+1,9m 4 = 2,4m+1,9m 5 = 1,5m+3,9m 6 = 1,5m+0,9m *The stated cable lengths are the actual lengths that the cable comes out of the luminaire (±0,1 m)		Connector options 0 = No connector 1 = Wago Winsta (IP 20) 2 = Enstonet (IP 20) 3 = Schuko plug
Connection 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				Control options 0 = No control 2 = DALI 4 = Industrial 110-130 W -40...+50°C 145-155 W -40...+40°C 5 = Industrial DALI 110-130 W -40...+50°C 145-155 W -40...+40°C

Every combination is not possible

Linear SI- standard products

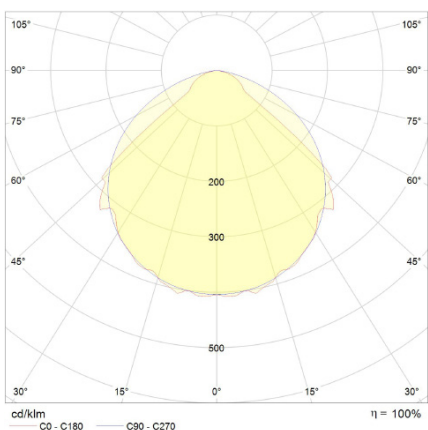
Type	Degree of protection	Operating temperature	IK-class	Optics	Power	Luminous flux (luminaire)
SNEP Linear SI 840-P1C-44S-111200	IP44	-25...+40°C	IK08	P1C	110W	16780 lm
SNEP Linear SI 840-P1M-44S-111200	IP44	-25...+40°C	IK08	P1M	110W	15640 lm
SNEP Linear SI 840-P1S-44S-111200	IP44	-25...+40°C	IK08	P1S	110W	16210 lm

Luminous flux persistence

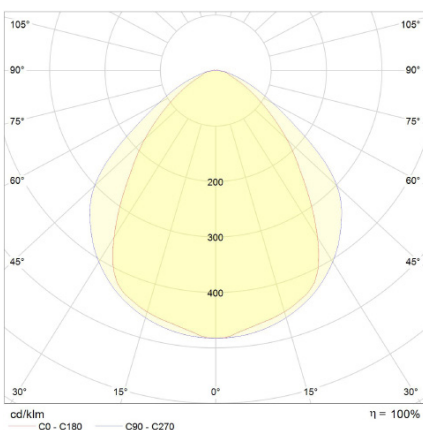


Light distribution charts

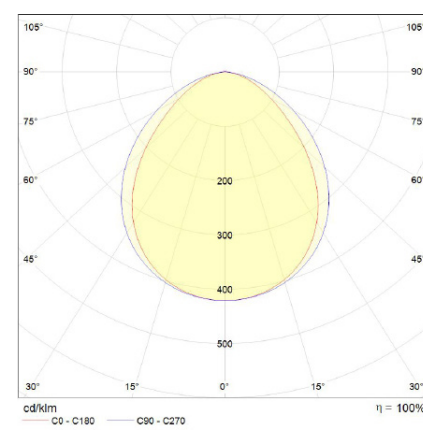
P1C



P1M



P1S



P1C

Power W	Colour temperature (CCT)	CRI (Ra)	Luminous flux lm (luminaire)	Luminous efficacy lm/W (luminaire)
110	4000K	typ. 85	16780	153
110	5000K	typ. 85	17240	157
130	4000K	typ. 85	18560	143
130	5000K	typ. 85	19060	147
145	4000K	typ. 85	20520	142
145	5000K	typ. 85	21080	145
155	4000K	typ. 85	21470	139
155	5000K	typ. 85	22050	142

P1M

Power W	Colour temperature (CCT)	CRI (Ra)	Luminous flux lm (luminaire)	Luminous efficacy lm/W (luminaire)
110	4000K	typ. 85	15640	142
110	5000K	typ. 85	16060	146
130	4000K	typ. 85	17290	133
130	5000K	typ. 85	17760	137
145	4000K	typ. 85	19120	132
145	5000K	typ. 85	19640	135
155	4000K	typ. 85	20010	129
155	5000K	typ. 85	20550	133

P1S

Power W	Colour temperature (CCT)	CRI (Ra)	Luminous flux lm (luminaire)	Luminous efficacy lm/W (luminaire)
110	4000K	typ. 85	16210	147
110	5000K	typ. 85	16650	151
130	4000K	typ. 85	17930	138
130	5000K	typ. 85	18410	142
145	4000K	typ. 85	19820	137
145	5000K	typ. 85	20360	140
155	4000K	typ. 85	20740	134
155	5000K	typ. 85	21300	137