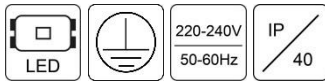


SERPENS LED

Aluminium Profile Luminaires



Images for the product family and options:



Description:

A recessed medium profile LED luminaire for in-line connection without gaps
 Light distribution type: direct
 Optical system: opal polycarbonate diffuser/ matt micro-prismatic polycarbonate diffuser, low glare
 Housing: aluminium
 Colour: white (RAL9003S)

General data:

Mains voltage: 220-240V, 0/50/60Hz
 LED lifetime, h: 100000/L80B50
 SDCM: 3
 Protection class IEC: I
 Ingress protection code: IP40 (IP44 optional)
 Mechanical impact resistance: IK05
 Glow wire test, °C: 650
 Operating temperature range, °C: ta -15...+35

Installation:

In ceilings with cut-out openings (mounting brackets included), with L/LL option is designed for in-line connection. Push-in terminal, 5x2x2,5mm²

Environment:

Indoor

Application:

Office, education, hotel, corridor, retail, public place

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI* (Ra)	CCT*, K	Weight, kg
Serpens LED1x850 G183 T830 OP LO1 SB	592	77	68	767	6,8	114	80+	3000	1,5
Serpens LED1x1100 G184 T830 OP LO2 SB	592	77	68	1046	9,6	109	80+	3000	1,5
Serpens LED1x1550 G185 T830 OP LO3 SB	592	77	68	1438	13,3	108	80+	3000	1,5
Serpens LED1x2300 J662 T830 OP LO4 SB	592	77	68	2157	18,9	114	80+	3000	1,5
Serpens LED1x1250 G186 T830 OP LO1 SB	872	77	68	1151	10,1	114	80+	3000	2
Serpens LED1x1650 G187 T830 OP LO2 SB	872	77	68	1569	13,6	115	80+	3000	2
Serpens LED1x2300 G188 T830 OP LO3 SB	872	77	68	2157	18,9	114	80+	3000	2
Serpens LED1x3400 J663 T830 OP LO4 SB	872	77	68	3234	28,7	113	80+	3000	2,0
Serpens LED1x1650 G189 T830 OP LO1 SB	1152	77	68	1535	12,7	121	80+	3000	2,5
Serpens LED1x2200 G190 T830 OP LO2 SB	1152	77	68	2092	17,1	122	80+	3000	2,5
Serpens LED1x3050 G191 T830 OP LO3 SB	1152	77	68	2875	24,7	117	80+	3000	2,5
Serpens LED1x4550 J664 T830 OP LO4 SB	1152	77	68	4313	38,6	112	80+	3000	2,5
Serpens LED1x2050 G192 T830 OP LO1 SB	1432	77	68	1919	15,9	121	80+	3000	2,9
Serpens LED1x2750 G193 T830 OP LO2 SB	1432	77	68	2614	21,4	122	80+	3000	2,9
Serpens LED1x3800 G194 T830 OP LO3 SB	1432	77	68	3594	30,8	117	80+	3000	2,9
Serpens LED1x5650 J665 T830 OP LO4 SB	1432	77	68	5391	47,8	113	80+	3000	2,9
Serpens LED1x2450 G195 T830 OP LO1 SB	1712	77	68	2302	18	128	80+	3000	3,4
Serpens LED1x3300 G196 T830 OP LO2 SB	1712	77	68	3137	25,2	124	80+	3000	3,4
Serpens LED1x4550 G197 T830 OP LO3 SB	1712	77	68	4313	37	117	80+	3000	3,4

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI* (Ra)	CCT*, K	Weight, kg
Serpens LED1x6800 J666 T830 OP LO4 SB	1712	77	68	6469	56,7	114	80+	3000	3,4
Serpens LED1x2850 G198 T830 OP LO1 SB	1992	77	68	2686	21	128	80+	3000	4
Serpens LED1x3850 G199 T830 OP LO2 SB	1992	77	68	3660	29,3	125	80+	3000	4
Serpens LED1x5300 G200 T830 OP LO3 SB	1992	77	68	5032	43,2	117	80+	3000	4
Serpens LED1x8500 J667 T830 OP LO4 SB	2132	77	68	8086	70,1	115	80+	3000	4,2
Serpens LED1x3250 G201 T830 OP LO1 SB	2272	77	68	3070	23,5	131	80+	3000	4,3
Serpens LED1x4400 G202 T830 OP LO2 SB	2272	77	68	4183	33,6	125	80+	3000	4,3
Serpens LED1x6050 G203 T830 OP LO3 SB	2272	77	68	5750	48,7	118	80+	3000	4,3
Serpens LED1x9050 J668 T830 OP LO4 SB	2272	77	68	8625	77,3	112	80+	3000	4,3
Serpens LED1x3650 G204 T830 OP LO1 SB	2552	77	68	3454	26,4	131	80+	3000	5,4
Serpens LED1x4950 G205 T830 OP LO2 SB	2552	77	68	4706	37,7	125	80+	3000	5,4
Serpens LED1x6800 G206 T830 OP LO3 SB	2552	77	68	6469	54,8	118	80+	3000	5,4
Serpens LED1x10200 J669 T830 OP LO4 SB	2552	77	68	9704	83,2	117	80+	3000	5,4
Serpens LED1x4250 G207 T830 OP LO1 SB	2972	77	68	4029	30,9	131	80+	3000	5,8
Serpens LED1x5750 G208 T830 OP LO2 SB	2972	77	68	5490	44	125	80+	3000	5,8
Serpens LED1x7950 G209 T830 OP LO3 SB	2972	77	68	7547	64	118	80+	3000	5,8
Serpens LED1x850 G183 T840 OP LO1 SB	592	77	68	803	6,8	119	80+	4000	1,5
Serpens LED1x1100 G184 T840 OP LO2 SB	592	77	68	1095	9,6	114	80+	4000	1,5
Serpens LED1x1550 G185 T840 OP LO3 SB	592	77	68	1505	13,3	113	80+	4000	1,5
Serpens LED1x2300 J662 T840 OP LO4 SB	592	77	68	2258	18,9	119	80+	4000	1,5
Serpens LED1x1250 G186 T840 OP LO1 SB	872	77	68	1206	10,1	119	80+	4000	2
Serpens LED1x1650 G187 T840 OP LO2 SB	872	77	68	1642	13,6	120	80+	4000	2
Serpens LED1x2300 G188 T840 OP LO3 SB	872	77	68	2258	18,9	120	80+	4000	2
Serpens LED1x3400 J663 T840 OP LO4 SB	872	77	68	3387	28,7	118	80+	4000	2,0
Serpens LED1x1650 G189 T840 OP LO1 SB	1152	77	68	1607	12,7	126	80+	4000	2,5
Serpens LED1x2200 G190 T840 OP LO2 SB	1152	77	68	2190	17,1	128	80+	4000	2,5
Serpens LED1x3050 G191 T840 OP LO3 SB	1152	77	68	3010	24,7	122	80+	4000	2,5
Serpens LED1x4550 J664 T840 OP LO4 SB	1152	77	68	4516	38,6	117	80+	4000	2,5
Serpens LED1x2050 G192 T840 OP LO1 SB	1432	77	68	2009	15,9	126	80+	4000	2,9
Serpens LED1x2750 G193 T840 OP LO2 SB	1432	77	68	2737	21,4	128	80+	4000	2,9
Serpens LED1x3800 G194 T840 OP LO3 SB	1432	77	68	3763	30,8	122	80+	4000	2,9
Serpens LED1x5650 J665 T840 OP LO4 SB	1432	77	68	5645	47,8	118	80+	4000	2,9
Serpens LED1x2450 G195 T840 OP LO1 SB	1712	77	68	2410	18	134	80+	4000	3,4
Serpens LED1x3300 G196 T840 OP LO2 SB	1712	77	68	3285	25,2	130	80+	4000	3,4
Serpens LED1x4550 G197 T840 OP LO3 SB	1712	77	68	4516	37	122	80+	4000	3,4
Serpens LED1x6800 J666 T840 OP LO4 SB	1712	77	68	6773	56,7	119	80+	4000	3,4
Serpens LED1x2850 G198 T840 OP LO1 SB	1992	77	68	2812	21	134	80+	4000	4
Serpens LED1x3850 G199 T840 OP LO2 SB	1992	77	68	3832	29,3	131	80+	4000	4
Serpens LED1x5300 G200 T840 OP LO3 SB	1992	77	68	5268	43,2	122	80+	4000	4
Serpens LED1x8500 J667 T840 OP LO4 SB	2132	77	68	8466	70,1	121	80+	4000	4,2
Serpens LED1x3250 G201 T840 OP LO1 SB	2272	77	68	3214	23,5	137	80+	4000	4,3
Serpens LED1x4400 G202 T840 OP LO2 SB	2272	77	68	4380	33,6	130	80+	4000	4,3
Serpens LED1x6050 G203 T840 OP LO3 SB	2272	77	68	6021	48,7	124	80+	4000	4,3
Serpens LED1x9050 J668 T840 OP LO4 SB	2272	77	68	9030	77,3	117	80+	4000	4,3
Serpens LED1x3650 G204 T840 OP LO1 SB	2552	77	68	3616	26,4	137	80+	4000	5,4
Serpens LED1x4950 G205 T840 OP LO2 SB	2552	77	68	4927	37,7	131	80+	4000	5,4
Serpens LED1x6800 G206 T840 OP LO3 SB	2552	77	68	6773	54,8	124	80+	4000	5,4
Serpens LED1x10200 J669 T840 OP LO4 SB	2552	77	68	10159	83,2	122	80+	4000	5,4
Serpens LED1x4250 G207 T840 OP LO1 SB	2972	77	68	4219	30,9	137	80+	4000	5,8

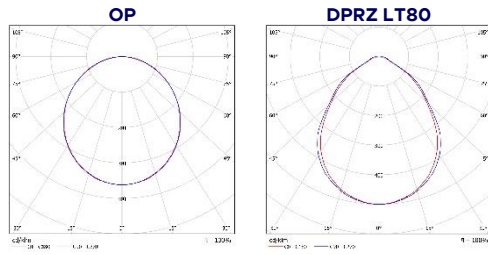
Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI* (Ra)	CCT*, K	Weight, kg
Serpens LED1x5750 G208 T840 OP LO2 SB	2972	77	68	5748	44	131	80+	4000	5,8
Serpens LED1x7950 G209 T840 OP LO3 SB	2972	77	68	7902	64	124	80+	4000	5,8
Serpens LED1x750 G183 T830 DPRZ LT80 LO1 SB	592	77	68	670	6,8	99	80+	3000	1,5
Serpens LED1x1000 G184 T830 DPRZ LT80 LO2 SB	592	77	68	914	9,6	95	80+	3000	1,5
Serpens LED1x1350 G185 T830 DPRZ LT80 LO3 SB	592	77	68	1256	13,3	94	80+	3000	1,5
Serpens LED1x2000 J662 T830 DPRZ LT80 LO4 SB	592	77	68	1884	18,9	100	80+	3000	1,5
Serpens LED1x1100 G186 T830 DPRZ LT80 LO1 SB	872	77	68	1005	10,1	99	80+	3000	2
Serpens LED1x1450 G187 T830 DPRZ LT80 LO2 SB	872	77	68	1370	13,6	100	80+	3000	2
Serpens LED1x2000 G188 T830 DPRZ LT80 LO3 SB	872	77	68	1884	18,9	100	80+	3000	2
Serpens LED1x3000 J663 T830 DPRZ LT80 LO4 SB	872	77	68	2825	28,7	98	80+	3000	2,0
Serpens LED1x1450 G189 T830 DPRZ LT80 LO1 SB	1152	77	68	1341	12,7	106	80+	3000	2,5
Serpens LED1x1950 G190 T830 DPRZ LT80 LO2 SB	1152	77	68	1827	17,1	107	80+	3000	2,5
Serpens LED1x2650 G191 T830 DPRZ LT80 LO3 SB	1152	77	68	2511	24,7	102	80+	3000	2,5
Serpens LED1x3950 J664 T830 DPRZ LT80 LO4 SB	1152	77	68	3767	38,6	98	80+	3000	2,5
Serpens LED1x1800 G192 T830 DPRZ LT80 LO1 SB	1432	77	68	1676	15,9	106	80+	3000	2,9
Serpens LED1x2400 G193 T830 DPRZ LT80 LO2 SB	1432	77	68	2283	21,4	106	80+	3000	2,9
Serpens LED1x3300 G194 T830 DPRZ LT80 LO3 SB	1432	77	68	3139	30,8	102	80+	3000	2,9
Serpens LED1x4950 J665 T830 DPRZ LT80 LO4 SB	1432	77	68	4709	47,8	99	80+	3000	2,9
Serpens LED1x2150 G195 T830 DPRZ LT80 LO1 SB	1712	77	68	2011	18	112	80+	3000	3,4
Serpens LED1x2900 G196 T830 DPRZ LT80 LO2 SB	1712	77	68	2740	25,2	109	80+	3000	3,4
Serpens LED1x3950 G197 T830 DPRZ LT80 LO3 SB	1712	77	68	3767	37	102	80+	3000	3,4
Serpens LED1x5950 J666 T830 DPRZ LT80 LO4 SB	1712	77	68	5650	56,7	100	80+	3000	3,4
Serpens LED1x2500 G198 T830 DPRZ LT80 LO1 SB	1992	77	68	2346	21	112	80+	3000	4
Serpens LED1x3350 G199 T830 DPRZ LT80 LO2 SB	1992	77	68	3197	29,3	109	80+	3000	4
Serpens LED1x4650 G200 T830 DPRZ LT80 LO3 SB	1992	77	68	4395	43,2	102	80+	3000	4
Serpens LED1x7400 J667 T830 DPRZ LT80 LO4 SB	2132	77	68	7063	70,1	101	80+	3000	4,2
Serpens LED1x2850 G201 T830 DPRZ LT80 LO1 SB	2272	77	68	2681	23,5	114	80+	3000	4,3
Serpens LED1x3850 G202 T830 DPRZ LT80 LO2 SB	2272	77	68	3654	33,6	109	80+	3000	4,3
Serpens LED1x5300 G203 T830 DPRZ LT80 LO3 SB	2272	77	68	5022	48,7	103	80+	3000	4,3
Serpens LED1x7900 J668 T830 DPRZ LT80 LO4 SB	2272	77	68	7533	77,3	97	80+	3000	4,3
Serpens LED1x3200 G204 T830 DPRZ LT80 LO1 SB	2552	77	68	3016	26,4	114	80+	3000	5,4
Serpens LED1x4350 G205 T830 DPRZ LT80 LO2 SB	2552	77	68	4110	37,7	109	80+	3000	5,4
Serpens LED1x5950 G206 T830 DPRZ LT80 LO3 SB	2552	77	68	5650	54,8	103	80+	3000	5,4
Serpens LED1x8900 J669 T830 DPRZ LT80 LO4 SB	2552	77	68	8475	83,2	102	80+	3000	5,4
Serpens LED1x3700 G207 T830 DPRZ LT80 LO1 SB	2972	77	68	3519	30,9	114	80+	3000	5,8
Serpens LED1x5050 G208 T830 DPRZ LT80 LO2 SB	2972	77	68	4795	44	109	80+	3000	5,8
Serpens LED1x6950 G209 T830 DPRZ LT80 LO3 SB	2972	77	68	6592	64	103	80+	3000	5,8
Serpens LED1x750 G183 T840 DPRZ LT80 LO1 SB	592	77	68	702	6,8	104	80+	4000	1,5
Serpens LED1x1000 G184 T840 DPRZ LT80 LO2 SB	592	77	68	956	9,6	99	80+	4000	1,5
Serpens LED1x1350 G185 T840 DPRZ LT80 LO3 SB	592	77	68	1314	13,3	99	80+	4000	1,5
Serpens LED1x2000 J662 T840 DPRZ LT80 LO4 SB	592	77	68	1972	18,9	104	80+	4000	1,5
Serpens LED1x1100 G186 T840 DPRZ LT80 LO1 SB	872	77	68	1053	10,1	104	80+	4000	2
Serpens LED1x1450 G187 T840 DPRZ LT80 LO2 SB	872	77	68	1435	13,6	105	80+	4000	2
Serpens LED1x2000 G188 T840 DPRZ LT80 LO3 SB	872	77	68	1972	18,9	104	80+	4000	2
Serpens LED1x3000 J663 T840 DPRZ LT80 LO4 SB	872	77	68	2958	28,7	103	80+	4000	2,0
Serpens LED1x1450 G189 T840 DPRZ LT80 LO1 SB	1152	77	68	1403	12,7	110	80+	4000	2,5
Serpens LED1x1950 G190 T840 DPRZ LT80 LO2 SB	1152	77	68	1913	17,1	112	80+	4000	2,5
Serpens LED1x2650 G191 T840 DPRZ LT80 LO3 SB	1152	77	68	2629	24,7	107	80+	4000	2,5

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy*, lm/W	CRI* (Ra)	CCT*, K	Weight, kg
Serpens LED1x3950 J664 T840 DPRZ LT80 LO4 SB	1152	77	68	3944	38,6	102	80+	4000	2,5
Serpens LED1x1800 G192 T840 DPRZ LT80 LO1 SB	1432	77	68	1755	15,9	110	80+	4000	2,9
Serpens LED1x2400 G193 T840 DPRZ LT80 LO2 SB	1432	77	68	2391	21,4	111	80+	4000	2,9
Serpens LED1x3300 G194 T840 DPRZ LT80 LO3 SB	1432	77	68	3286	30,8	107	80+	4000	2,9
Serpens LED1x4950 J665 T840 DPRZ LT80 LO4 SB	1432	77	68	4930	47,8	103	80+	4000	2,9
Serpens LED1x2150 G195 T840 DPRZ LT80 LO1 SB	1712	77	68	2105	18	117	80+	4000	3,4
Serpens LED1x2900 G196 T840 DPRZ LT80 LO2 SB	1712	77	68	2869	25,2	114	80+	4000	3,4
Serpens LED1x3950 G197 T840 DPRZ LT80 LO3 SB	1712	77	68	3944	37	107	80+	4000	3,4
Serpens LED1x5950 J666 T840 DPRZ LT80 LO4 SB	1712	77	68	5915	56,7	104	80+	4000	3,4
Serpens LED1x2500 G198 T840 DPRZ LT80 LO1 SB	1992	77	68	2456	21	117	80+	4000	4
Serpens LED1x3350 G199 T840 DPRZ LT80 LO2 SB	1992	77	68	3347	29,3	114	80+	4000	4
Serpens LED1x4650 G200 T840 DPRZ LT80 LO3 SB	1992	77	68	4601	43,2	107	80+	4000	4
Serpens LED1x7400 J667 T840 DPRZ LT80 LO4 SB	2132	77	68	7395	70,1	105	80+	4000	4,2
Serpens LED1x2850 G201 T840 DPRZ LT80 LO1 SB	2272	77	68	2807	23,5	120	80+	4000	4,3
Serpens LED1x3850 G202 T840 DPRZ LT80 LO2 SB	2272	77	68	3825	33,6	114	80+	4000	4,3
Serpens LED1x5300 G203 T840 DPRZ LT80 LO3 SB	2272	77	68	5258	48,7	108	80+	4000	4,3
Serpens LED1x7900 J668 T840 DPRZ LT80 LO4 SB	2272	77	68	7887	77,3	102	80+	4000	4,3
Serpens LED1x3200 G204 T840 DPRZ LT80 LO1 SB	2552	77	68	3158	26,4	120	80+	4000	5,4
Serpens LED1x4350 G205 T840 DPRZ LT80 LO2 SB	2552	77	68	4304	37,7	114	80+	4000	5,4
Serpens LED1x5950 G206 T840 DPRZ LT80 LO3 SB	2552	77	68	5915	54,8	108	80+	4000	5,4
Serpens LED1x8900 J669 T840 DPRZ LT80 LO4 SB	2552	77	68	8873	83,2	107	80+	4000	5,4
Serpens LED1x3700 G207 T840 DPRZ LT80 LO1 SB	2972	77	68	3685	30,9	119	80+	4000	5,8
Serpens LED1x5050 G208 T840 DPRZ LT80 LO2 SB	2972	77	68	5020	44	114	80+	4000	5,8
Serpens LED1x6950 G209 T840 DPRZ LT80 LO3 SB	2972	77	68	6901	64	108	80+	4000	5,8

*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Available options:

T830	Colour temperature 3000K, CRI 80+	EM3B	Emergency version 3 hours (best available technology)
T840	Colour temperature 4000K, CRI 80+	EM3A	Emergency version equipped with an autonomous testing system, 3 hours
OP	Opal diffuser with high light transmittance	EM3D	Emergency version 3 hours with DALI interface
DPRZ LT80	De-glaring micro-prismatic diffuser with matt light scattering layer	*note - EM options applicable for models longer than 1000mm	
LO1	Light output level 1	*note - Operating temperature range for Luminaires with EM option, C: ta 0..+35	
LO2	Light output level 2	5TB	5-pole terminal block in middle of luminaire for easy through wiring
LO3	Light output level 3	1LIN	Through wiring single phase d=1.5 mm ² with two push-in terminal blocks
LO4	Light output level 4	2LIN	Through wiring two phases d=1.5 mm ² with two push-in terminal blocks
DALI	Driver with DALI interface and switch-control dimming	3LIN	Through wiring three phases d=1.5 mm ² with two push-in terminal blocks
*note - for DALI LIN option wires are 2x0.5mm ²		*note - LIN options applicable for models longer than 800mm, for shorter models 5TB option	
EAIRB	Integrated smart sensor and driver with wireless communication and grouping possibilities for lighting control	2G	Strain relief for power supply cable, 2pcs
*note - ingress protection IP20		L	for in-line connection end/first luminaire (lengths: 578/ 858/ 1138/ 1418/ 1698/ 1978/ 2118/ 2258/ 2538/ 2958mm)
*note - EAIRB option is not applicable for lengths under 800mm		LL	for in-line connection intermediate luminaire (lengths: 563/ 843/ 1123/ 1403/ 1683/ 1963/ 2103/ 2243/ 2523/ 2943mm)
*note - EAIRB sensor is positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm		*note - for L and LL models joint kit and 1LIN option included (5TB option for lengths up to 800mm)	
MW	Integrated microwave (MW) motion sensor with on-off control	SB	Support brackets for installation into a plasterboard ceiling
*note - for option MW luminaire housing is 72mm longer		*note - SB option included	
*note - MW sensor is positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm		IP44	IP44 protection degree (not applicable for L and LL type luminaires)
PIR	Integrated PIR sensor with on-off control	*note - IP44 option not applicable for L and LL models	
*note - PIR option is not applicable for length under 800mm		RAL	RAL colour
*note - ingress protection IP40			
*note - for option PIR luminaire housing is 50mm longer			
*note - PIR sensor is positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm			
TW	Integrated light source and driver for Tuneable white control 2700-6500 K		
*note - Please ask for special models with options EAIRB and TW.			
EM3	Emergency version 3 hours		



Available accessories:



Product: BLANK Serpens LED L1000mm LL RAL9003S
Description: Blank part kit for connecting luminaires in-line
1000mm long, 1pcs
**note - indicate length, location and RAL colour before
placing order*
**note - BLANK through wiring option must meet luminaire
options*

Applications:

