

RANA Linear Recessed - Louvre+Prismatic Optic
RANA LINEAR R 3KLM TW LOUV+PRI SSC01 WHITE
0052485



Product features

- Ceiling recessed LED Linear luminaire with Louvre+MicroPrismatic Optic, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, SylSmart Standalone capable, Electric Class 1, Tunable White LED (3000-6000K), 2900lm, 31W, 94lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<19, L90B10 at 50,000 hours, Glow Wire Test 850°C, Can be covered with building insulation of Glass Wool type.



PRODUCT OVERVIEW

Product name	RANA LINEAR R 3KLM TW LOUV+PRI SSC01 WHITE
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Education, Office
Warranty	5 years
Fixture luminous flux (lm)	2900
Luminous flux (lm)	2900
Luminaire efficacy (lm/W)	94
Colour temperature (K)	3000
Light colour	Tuneable White
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 17
Photobiological Risk Group	RG1
Total power consumption (W)	31
Electrical protection	Class I
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	SylSmart SSC
Minimum dimming level (%)	1
LED Flickering Rate	Ultra low (5% or less)
Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Product EAN number	5410288524856

DATA TABLE

General data	
Product name	RANA LINEAR R 3KLM TW LOUV+PRI SSC01 WHITE

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Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling recessed mounting
Fixture rating	Enclosed
General application	Education, Office
Operating temperature range (°C)	-25°C...+40°C
Performance ambient temperature Tq (°C)	25
Warranty	5 years

Optical data

Fixture luminous flux (lm)	2900
Luminous flux (lm)	2900
Luminaire efficacy (lm/W)	94
Colour temperature (K)	3000
Correlated colour temperature range (K)	3000 - 6000
Light colour	Tuneable White
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 17
Photobiological Risk Group	RG1

Electrical data

Total power consumption (W)	31
Mains voltage (V)	220-240V
Lamp power factor	0.97
THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x %	10
Electrical protection	Class I
Control gear required	No
Control gear type	Electronic ballast
Dimmable	Yes
Dimming method	SylSmart SSC
Minimum dimming level (%)	1
Inrush Current (A)	29
Glow Wire Test (°C)	850
Energy Efficiency Class (A->G) of contained light source	C
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. Luminaires per 10A C Breaker	21
Max. Luminaires per 13A C Breaker	28
Max. Luminaires per 10A B Breaker	13
Max. Luminaires per 16A B Breaker	22
Max. Luminaires per 20A B Breaker	27

Lifetime data

Lifespan L70 B50	60000
Lifespan L80 B10	60000

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Lifespan L90 B50	45000
Lifespan L90 B20	41000
Lifespan L90 B10	39000

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Prismatic
Diffuser material	PC Polycarbonate
Reflector finish	Matt
Nominal Product Length (mm)	1150
Nominal Product Width (mm)	90
Weight (kg)	3.15

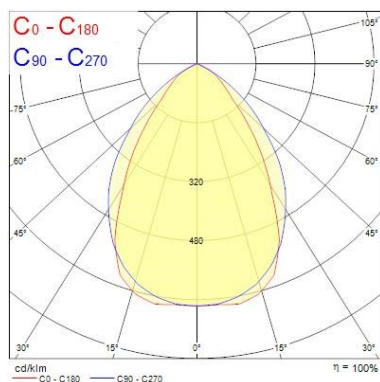
Packaging

Single packaging type	Carton
Product EAN number	5410288524856
Packaging single length / height (cm)	117.0
Packaging single width (cm)	10.5
Packaging single depth (cm)	11.5
Units per outer package	1
Packaging outer width (cm)	10.5
Packaging outer depth (cm)	11.5

Safety data

Optimal operating condition (°C)	-25-40
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PHOTOMETRY



Distance [m]	Cone diameter [m]	Beam angle [°]	Beam diameter [m]	Beam diameter [ft]	Beam diameter [in]
0.5	0.87	67.8°	0.87	3.43	34.3
1.0	1.74	67.8°	1.74	6.86	68.6
1.5	2.61	67.8°	2.61	10.29	102.9
2.0	3.48	67.8°	3.48	13.72	137.2
2.5	4.35	67.8°	4.35	17.15	171.5
3.0	5.22	67.8°	5.22	20.58	205.8
3.5	6.09	67.8°	6.09	24.01	240.1
4.0	6.96	67.8°	6.96	27.44	274.4
4.5	7.83	67.8°	7.83	30.87	308.7
5.0	8.70	67.8°	8.70	34.30	343.0
5.5	9.57	67.8°	9.57	37.73	377.3
6.0	10.44	67.8°	10.44	41.16	411.6
6.5	11.31	67.8°	11.31	44.59	445.9
7.0	12.18	67.8°	12.18	48.02	480.2
7.5	13.05	67.8°	13.05	51.45	514.5
8.0	13.92	67.8°	13.92	54.88	548.8
8.5	14.79	67.8°	14.79	58.31	583.1
9.0	15.66	67.8°	15.66	61.74	617.4
9.5	16.53	67.8°	16.53	65.17	651.7
10.0	17.40	67.8°	17.40	68.60	686.0
10.5	18.27	67.8°	18.27	72.03	720.3
11.0	19.14	67.8°	19.14	75.46	754.6
11.5	20.01	67.8°	20.01	78.89	788.9
12.0	20.88	67.8°	20.88	82.32	823.2
12.5	21.75	67.8°	21.75	85.75	857.5
13.0	22.62	67.8°	22.62	89.18	891.8
13.5	23.49	67.8°	23.49	92.61	926.1
14.0	24.36	67.8°	24.36	96.04	960.4
14.5	25.23	67.8°	25.23	99.47	994.7
15.0	26.10	67.8°	26.10	102.90	1029.0
15.5	26.97	67.8°	26.97	106.33	1063.3
16.0	27.84	67.8°	27.84	109.76	1097.6
16.5	28.71	67.8°	28.71	113.19	1131.9
17.0	29.58	67.8°	29.58	116.62	1166.2
17.5	30.45	67.8°	30.45	120.05	1200.5
18.0	31.32	67.8°	31.32	123.48	1234.8
18.5	32.19	67.8°	32.19	126.91	1269.1
19.0	33.06	67.8°	33.06	130.34	1303.4
19.5	33.93	67.8°	33.93	133.77	1337.7
20.0	34.80	67.8°	34.80	137.20	1372.0
20.5	35.67	67.8°	35.67	140.63	1406.3
21.0	36.54	67.8°	36.54	144.06	1440.6
21.5	37.41	67.8°	37.41	147.49	1474.9
22.0	38.28	67.8°	38.28	150.92	1509.2
22.5	39.15	67.8°	39.15	154.35	1543.5
23.0	40.02	67.8°	40.02	157.78	1577.8
23.5	40.89	67.8°	40.89	161.21	1612.1
24.0	41.76	67.8°	41.76	164.64	1646.4
24.5	42.63	67.8°	42.63	168.07	1680.7
25.0	43.50	67.8°	43.50	171.50	1715.0
25.5	44.37	67.8°	44.37	174.93	1749.3
26.0	45.24	67.8°	45.24	178.36	1783.6
26.5	46.11	67.8°	46.11	181.79	1817.9
27.0	46.98	67.8°	46.98	185.22	1852.2
27.5	47.85	67.8°	47.85	188.65	1886.5
28.0	48.72	67.8°	48.72	192.08	1920.8
28.5	49.59	67.8°	49.59	195.51	1955.1
29.0	50.46	67.8°	50.46	198.94	1989.4
29.5	51.33	67.8°	51.33	202.37	2023.7
30.0	52.20	67.8°	52.20	205.80	2058.0
30.5	53.07	67.8°	53.07	209.23	2092.3
31.0	53.94	67.8°	53.94	212.66	2126.6
31.5	54.81	67.8°	54.81	216.09	2160.9
32.0	55.68	67.8°	55.68	219.52	2195.2
32.5	56.55	67.8°	56.55	222.95	2229.5
33.0	57.42	67.8°	57.42	226.38	2263.8
33.5	58.29	67.8°	58.29	229.81	2298.1
34.0	59.16	67.8°	59.16	233.24	2332.4
34.5	60.03	67.8°	60.03	236.67	2366.7
35.0	60.90	67.8°	60.90	240.10	2401.0
35.5	61.77	67.8°	61.77	243.53	2435.3
36.0	62.64	67.8°	62.64	246.96	2469.6
36.5	63.51	67.8°	63.51	250.39	2503.9
37.0	64.38	67.8°	64.38	253.82	2538.2
37.5	65.25	67.8°	65.25	257.25	2572.5
38.0	66.12	67.8°	66.12	260.68	2606.8
38.5	66.99	67.8°	66.99	264.11	2641.1
39.0	67.86	67.8°	67.86	267.54	2675.4
39.5	68.73	67.8°	68.73	270.97	2709.7
40.0	69.60	67.8°	69.60	274.40	2744.0
40.5	70.47	67.8°	70.47	277.83	2778.3
41.0	71.34	67.8°	71.34	281.26	2812.6
41.5	72.21	67.8°	72.21	284.69	2846.9
42.0	73.08	67.8°	73.08	288.12	2881.2
42.5	73.95	67.8°	73.95	291.55	2915.5
43.0	74.82	67.8°	74.82	294.98	2949.8
43.5	75.69	67.8°	75.69	298.41	2984.1
44.0	76.56	67.8°	76.56	301.84	3018.4
44.5	77.43	67.8°	77.43	305.27	3052.7
45.0	78.30	67.8°	78.30	308.70	3087.0
45.5	79.17	67.8°	79.17	312.13	3121.3
46.0	80.04	67.8°	80.04	315.56	3155.6
46.5	80.91	67.8°	80.91	318.99	3189.9
47.0	81.78	67.8°	81.78	322.42	3224.2
47.5	82.65	67.8°	82.65	325.85	3258.5
48.0	83.52	67.8°	83.52	329.28	3292.8
48.5	84.39	67.8°	84.39	332.71	3327.1
49.0	85.26	67.8°	85.26	336.14	3361.4
49.5	86.13	67.8°	86.13	339.57	3395.7
50.0	87.00	67.8°	87.00	343.00	3430.0
50.5	87.87	67.8°	87.87	346.43	3464.3
51.0	88.74	67.8°	88.74	349.86	3498.6
51.5	89.61	67.8°	89.61	353.29	3532.9
52.0	90.48	67.8°	90.48	356.72	3567.2
52.5	91.35	67.8°	91.35	360.15	3601.5
53.0	92.22	67.8°	92.22	363.58	3635.8
53.5	93.09	67.8°	93.09	367.01	3670.1
54.0	93.96	67.8°	93.96	370.44	3704.4
54.5	94.83	67.8°	94.83	373.87	3738.7
55.0	95.70	67.8°	95.70	377.30	3773.0
55.5	96.57	67.8°	96.57	380.73	3807.3
56.0	97.44	67.8°	97.44	384.16	3841.6
56.5	98.31	67.8°	98.31	387.59	3875.9
57.0	99.18	67.8°	99.18	391.02	3910.2
57.5	100.05	67.8°	100.05	394.45	3944.5
58.0	100.92	67.8°	100.92	397.88	3978.8
58.5	101.79	67.8°	101.79	401.31	4013.1
59.0	102.66	67.8°	102.66	404.74	4047.4
59.5	103.53	67.8°	103.53	408.17	4081.7
60.0	104.40	67.8°	104.40	411.60	4116.0
60.5	105.27	67.8°	105.27	415.03	4150.3
61.0	106.14	67.8°	106.14	418.46	4184.6
61.5	107.01	67.8°	107.01	421.89	4218.9
62.0	107.88	67.8°	107.88	425.32	4253.2
62.5	108.75	67.8°	108.75	428.75	4287.5
63.0	109.62	67.8°	109.62	432.18	4321.8
63.5	110.49	67.8°	110.49	435.61	4356.1
64.0	111.36	67.8°	111.36	439.04	4390.4
64.5	112.23	67.8°	112.23	442.47	4424.7
65.0	113.10	67.8°	113.10	445.90	4459.0
65.5	113.97	67.8°	113.97	449.33	4493.3
66.0	114.84	67.8°	114.84	452.76	4527.6
66.5	115.71	67.8°	115.71	456.19	4561.9
67.0	116.58	67.8°	116.58	459.62	4596.2
67.5	117.45	67.8°	117.45	463.05	4630.5
68.0	118.32	67.8°	118.32	466.48	4664.8
68.5	119.19	67.8°	119.19	469.91	4699.1
69.0	120.06	67.8°	120.06	473.34	4733.4
69.5	120.93	67.8°	120.93	476.77	4767.7
70.0	121.80	67.8°	121.80	480.20	4802.0
70.5	122.67	67.8°	122.67	483.63	4836.3
71.0	123.54	67.8°	123.54	487.06	4870.6
71.5	124.41	67.8°	124.41	490.49	4904.9
72.0	125.28	67.8°	125.28	493.92	4939.2
72.5	126.15	67.8°	126.15	497.35	4973.5
73.0	127.02	67.8°	127.02	500.78	5007.8
73.5	127.89	67.8°	127.89	504.21	5042.1
74.0	128.76	67.8°	128.76	507.64	5076.4
74.5	129.63	67.8°	129.63	511.07	5110.7
75.0	130.50	67.8°	130.50	514.50	5145.0
75.5	131.37	67.8°	131.37	517.93	5179.3
76.0	132.24	67.8°	132.24	521.36	5213.6
76.5	133.11	67.8°	133.11	524.79	5247.9
77.0	133.98	67.8°	133.98	528.22	5282.2
77.5	134.85	67.8°	134.85	531.65	5316.5
78.0	135.72	67.8°	135.72	535.08	5350.8
78.5	136.59	67.8°	136.59	538.51	5385.1
79.0	137.46	67.8°	137.46	541.94	5419.4
79.5	138.33	67.8°	138.33	545.37	5453.7
80.0	139.20	67.8°	139.20	548.80	5488.0
80.5	140.07	67.8°	140.07	552.23	5522.3
81.0	140.94	67.8°	140.94	555.66	5556.6
81.5	141.81	67.8°	141.81	559.09	5590.9
82.0	142.68	67.8°	142.68	562.52	5625.2
82.5	143.55	67.8°	143.55	565.95	5659.5
83.0	144.42	67.8°	144.42	569.38	5693.8

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