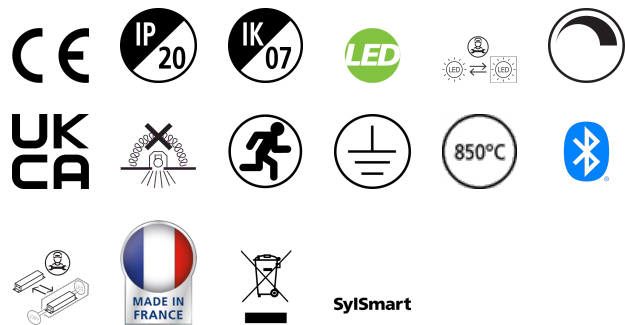


RANA NEO 8800LM S 1500 830 SSC EM 2L WHITE

Item No: 0054268



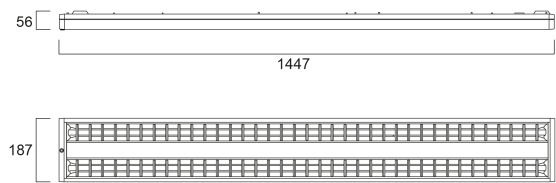
PRO



Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1447x187x56mm, White body colour, IP20, IK07, SylSmart Standalone capable, Emergency 3 hours, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 8800lm, 73W, 120lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<17, Luminance at 65° < 3000 cd/m2, Lifespan: 96,000 hours L80B20, Quick electrical connection with push-connectors in the luminaire, Glow Wire Test 850°C.

Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam angle [°]	Half beam angle [°]	Beam diameter [m]	Beam area [m²]	Beam volume [m³]
0.5	0.30	68.8°	34.4°	0.30	0.07	0.02
1.0	0.60	68.8°	34.4°	0.60	0.28	0.08
1.5	0.90	68.8°	34.4°	0.90	0.64	0.14
2.0	1.20	68.8°	34.4°	1.20	1.13	0.23
2.5	1.50	68.8°	34.4°	1.50	1.77	0.35
3.0	1.80	68.8°	34.4°	1.80	2.54	0.47
3.5	2.10	68.8°	34.4°	2.10	3.46	0.59
4.0	2.40	68.8°	34.4°	2.40	4.52	0.71
4.5	2.70	68.8°	34.4°	2.70	5.73	0.83
5.0	3.00	68.8°	34.4°	3.00	7.07	0.95
5.5	3.30	68.8°	34.4°	3.30	8.54	1.07
6.0	3.60	68.8°	34.4°	3.60	10.17	1.19
6.5	3.90	68.8°	34.4°	3.90	11.94	1.31
7.0	4.20	68.8°	34.4°	4.20	13.86	1.43
7.5	4.50	68.8°	34.4°	4.50	15.94	1.55
8.0	4.80	68.8°	34.4°	4.80	18.17	1.67
8.5	5.10	68.8°	34.4°	5.10	20.56	1.79
9.0	5.40	68.8°	34.4°	5.40	23.11	1.91
9.5	5.70	68.8°	34.4°	5.70	25.82	2.03
10.0	6.00	68.8°	34.4°	6.00	28.69	2.15
10.5	6.30	68.8°	34.4°	6.30	31.72	2.27
11.0	6.60	68.8°	34.4°	6.60	34.92	2.39
11.5	6.90	68.8°	34.4°	6.90	38.29	2.51
12.0	7.20	68.8°	34.4°	7.20	41.83	2.63
12.5	7.50	68.8°	34.4°	7.50	45.54	2.75
13.0	7.80	68.8°	34.4°	7.80	49.42	2.87
13.5	8.10	68.8°	34.4°	8.10	53.47	2.99
14.0	8.40	68.8°	34.4°	8.40	57.69	3.11
14.5	8.70	68.8°	34.4°	8.70	62.09	3.23
15.0	9.00	68.8°	34.4°	9.00	66.67	3.35
15.5	9.30	68.8°	34.4°	9.30	71.43	3.47
16.0	9.60	68.8°	34.4°	9.60	76.37	3.59
16.5	9.90	68.8°	34.4°	9.90	81.49	3.71
17.0	10.20	68.8°	34.4°	10.20	86.79	3.83
17.5	10.50	68.8°	34.4°	10.50	92.27	3.95
18.0	10.80	68.8°	34.4°	10.80	97.94	4.07
18.5	11.10	68.8°	34.4°	11.10	103.79	4.19
19.0	11.40	68.8°	34.4°	11.40	109.82	4.31
19.5	11.70	68.8°	34.4°	11.70	116.03	4.43
20.0	12.00	68.8°	34.4°	12.00	122.43	4.55
20.5	12.30	68.8°	34.4°	12.30	129.01	4.67
21.0	12.60	68.8°	34.4°	12.60	135.78	4.79
21.5	12.90	68.8°	34.4°	12.90	142.73	4.91
22.0	13.20	68.8°	34.4°	13.20	149.87	5.03
22.5	13.50	68.8°	34.4°	13.50	157.19	5.15
23.0	13.80	68.8°	34.4°	13.80	164.69	5.27
23.5	14.10	68.8°	34.4°	14.10	172.37	5.39
24.0	14.40	68.8°	34.4°	14.40	180.23	5.51
24.5	14.70	68.8°	34.4°	14.70	188.27	5.63
25.0	15.00	68.8°	34.4°	15.00	196.49	5.75
25.5	15.30	68.8°	34.4°	15.30	204.89	5.87
26.0	15.60	68.8°	34.4°	15.60	213.47	5.99
26.5	15.90	68.8°	34.4°	15.90	222.23	6.11
27.0	16.20	68.8°	34.4°	16.20	231.17	6.23
27.5	16.50	68.8°	34.4°	16.50	240.29	6.35
28.0	16.80	68.8°	34.4°	16.80	249.59	6.47
28.5	17.10	68.8°	34.4°	17.10	259.07	6.59
29.0	17.40	68.8°	34.4°	17.40	268.73	6.71
29.5	17.70	68.8°	34.4°	17.70	278.57	6.83
30.0	18.00	68.8°	34.4°	18.00	288.59	6.95
30.5	18.30	68.8°	34.4°	18.30	298.79	7.07
31.0	18.60	68.8°	34.4°	18.60	309.17	7.19
31.5	18.90	68.8°	34.4°	18.90	319.73	7.31
32.0	19.20	68.8°	34.4°	19.20	330.47	7.43
32.5	19.50	68.8°	34.4°	19.50	341.39	7.55
33.0	19.80	68.8°	34.4°	19.80	352.49	7.67
33.5	20.10	68.8°	34.4°	20.10	363.77	7.79
34.0	20.40	68.8°	34.4°	20.40	375.23	7.91
34.5	20.70	68.8°	34.4°	20.70	386.87	8.03
35.0	21.00	68.8°	34.4°	21.00	398.69	8.15
35.5	21.30	68.8°	34.4°	21.30	410.69	8.27
36.0	21.60	68.8°	34.4°	21.60	422.87	8.39
36.5	21.90	68.8°	34.4°	21.90	435.23	8.51
37.0	22.20	68.8°	34.4°	22.20	447.77	8.63
37.5	22.50	68.8°	34.4°	22.50	460.49	8.75
38.0	22.80	68.8°	34.4°	22.80	473.39	8.87
38.5	23.10	68.8°	34.4°	23.10	486.47	8.99
39.0	23.40	68.8°	34.4°	23.40	499.73	9.11
39.5	23.70	68.8°	34.4°	23.70	513.17	9.23
40.0	24.00	68.8°	34.4°	24.00	526.79	9.35
40.5	24.30	68.8°	34.4°	24.30	540.59	9.47
41.0	24.60	68.8°	34.4°	24.60	554.57	9.59
41.5	24.90	68.8°	34.4°	24.90	568.73	9.71
42.0	25.20	68.8°	34.4°	25.20	583.07	9.83
42.5	25.50	68.8°	34.4°	25.50	597.59	9.95
43.0	25.80	68.8°	34.4°	25.80	612.29	10.07
43.5	26.10	68.8°	34.4°	26.10	627.17	10.19
44.0	26.40	68.8°	34.4°	26.40	642.23	10.31
44.5	26.70	68.8°	34.4°	26.70	657.47	10.43
45.0	27.00	68.8°	34.4°	27.00	672.89	10.55
45.5	27.30	68.8°	34.4°	27.30	688.49	10.67
46.0	27.60	68.8°	34.4°	27.60	704.27	10.79
46.5	27.90	68.8°	34.4°	27.90	720.23	10.91
47.0	28.20	68.8°	34.4°	28.20	736.37	11.03
47.5	28.50	68.8°	34.4°	28.50	752.69	11.15
48.0	28.80	68.8°	34.4°	28.80	769.19	11.27
48.5	29.10	68.8°	34.4°	29.10	785.87	11.39
49.0	29.40	68.8°	34.4°	29.40	802.73	11.51
49.5	29.70	68.8°	34.4°	29.70	819.77	11.63
50.0	30.00	68.8°	34.4°	30.00	836.99	11.75
50.5	30.30	68.8°	34.4°	30.30	854.39	11.87
51.0	30.60	68.8°	34.4°	30.60	871.97	11.99
51.5	30.90	68.8°	34.4°	30.90	889.73	12.11
52.0	31.20	68.8°	34.4°	31.20	907.67	12.23
52.5	31.50	68.8°	34.4°	31.50	925.79	12.35
53.0	31.80	68.8°	34.4°	31.80	944.09	12.47
53.5	32.10	68.8°	34.4°	32.10	962.57	12.59
54.0	32.40	68.8°	34.4°	32.40	981.23	12.71
54.5	32.70	68.8°	34.4°	32.70	1000.07	12.83
55.0	33.00	68.8°	34.4°	33.00	1019.09	12.95
55.5	33.30	68.8°	34.4°	33.30	1038.29	13.07
56.0	33.60	68.8°	34.4°	33.60	1057.67	13.19
56.5	33.90	68.8°	34.4°	33.90	1077.23	13.31
57.0	34.20	68.8°	34.4°	34.20	1096.97	13.43
57.5	34.50	68.8°	34.4°	34.50	1116.89	13.55
58.0	34.80	68.8°	34.4°	34.80	1136.99	13.67
58.5	35.10	68.8°	34.4°	35.10	1157.27	13.79
59.0	35.40	68.8°	34.4°	35.40	1177.73	13.91
59.5	35.70	68.8°	34.4°	35.70	1198.37	14.03
60.0	36.00	68.8°	34.4°	36.00	1219.19	14.15
60.5	36.30	68.8°	34.4°	36.30	1240.19	14.27
61.0	36.60	68.8°	34.4°	36.60	1261.37	14.39
61.5	36.90	68.8°	34.4°	36.90	1282.73	14.51
62.0	37.20	68.8°	34.4°	37.20	1304.27	14.63
62.5	37.50	68.8°	34.4°	37.50	1325.99	14.75
63.0	37.80	68.8°	34.4°	37.80	1347.89	14.87
63.5	38.10	68.8°	34.4°	38.10	1369.97	14.99
64.0	38.40	68.8°	34.4°	38.40	1392.23	15.11
64.5	38.70	68.8°	34.4°	38.70	1414.67	15.23
65.0	39.00	68.8°	34.4°	39.00	1437.29	15.35
65.5	39.30	68.8°	34.4°	39.30	1460.09	15.47
66.0	39.60	68.8°	34.4°	39.60	1483.07	15.59
66.5	39.90	68.8°	34.4°	39.90	1506.23	15.71
67.0	40.20	68.8°	34.4°	40.20	1529.57	15.83
67.5	40.50	68.8°	34.4°	40.50	1553.09	15.95
68.0	40.80	68.8°	34.4°	40.80	1576.79	16.07
68.5	41.10	68.8°	34.4°	41.10	1600.67	16.19
69.0	41.40	68.8°	34.4°	41.40	1624.73	16.31
69.5	41.70	68.8°	34.4°	41.70	1648.97	16.43
70.0	42.00	68.8°	34.4°	42.00	1673.39	16.55
70.5	42.30	68.8°	34.4°	42.30	1697.99	16.67
71.0	42.60	68.8°	34.4°	42.60	1722.77	16.79
71.5	42.90	68.8°	34.4°	42.90	1747.73	16.91
72.0	43.20	68.8°	34.4°	43.20	1772.87	17.03
72.5	43.50	68.8°	34.4°	43.50	1798.19	17.15
73.0	43.80	68.8°	34.4°	43.80	1823.69	17.27
73.5	44.10	68.8°	34.4°	44.10	1849.37	17.39
74.0	44.40	68.8°	34.4°	44.40	1875.23	17.51
74.5	44.70	68.8°	34.4°	44.70	1901.27	17.63
75.0	45.00	68.8°	34.4°	45.00	1927.49	17.75
75.5	45.30	68.8°	34.4°	45.30	1953.89	17.87
76.0	45.60	68.8°	34.4°	45.60	1980.47	17.99
76.5	45.90	68.8°	34.4°	45.90	2007.23	18.11
77.0	46.20	68.8°	34.4°	46.20	2034.17	18.23
77.5	46.50	68.8°	34.4°	46.50	2061.29	18.35
78.0	46.80	68.8°	34.4°	46.80	2088.59	18.47
78.5	47.10	68.8°	34.4°	47.10	2116.07	18.59
79.0	47.40	68.8°	34.4°	47.40	2143.73	18.71
79.5	47.70	68.8°	34.4°	47.70	2171.57	18.83
80.0	48.00	68.8°	34.4°	48.00	2200.00	18.95
80.5	48.30	68.8°	34.4°	48.30	2229.11	19.07
81.0	48.60	68.8°	34.4°	48.60	2258.89	19.19
81.5	48.90	68.8°	34.4°	48.90	2289.34	19.31
82.0	49.20	68.8°	34.4°	49.20	2320.47	19.43
82.5	49.50	68.8°	34.4°	49.50	2352.27	19.55
83.0	49.80	68.8°	34.4°	49.80	2384.74	19.67
83.5	50.10	68.8°	34.4°	50.10	2417.89	19.79
84.0	50.40	68.8°	34.4°	50.40	2451.71	19.91
84.5	50.70	68.8°	34.4°			

RANA NEO 8800LM S 1500 830 SSC EM
2L WHITE

Item No: 0054268

SYLVANIA

General data

Product name	RANA NEO 8800LM S 1500 830 SSC EM 2L WHITE
Technology	LED (3 SDCM)
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
General application	Education, Office
Operating temperature range (°C)	-5°C...+25°C
Performance ambient temperature Tq (°C)	25
ETIM Class	EC002892
Warranty	5 years

Optical data

Useful luminous flux (Φuse)	8800
Fixture luminous flux (lm)	8800
Luminous flux (lm)	8800
Luminaire efficacy (lm/W)	121
Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Glare control	< 17
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80
Emergency duration (h)	3

Electrical data

Total power consumption (W)	80
Primary Supply/Product voltage - min (V)	220
Primary Supply/Product voltage - max (V)	240
Lamp power factor	0.95
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	SylSmart SSC
Drive current (mA)	300
Inrush Current (A)	29
Inrush Duration (µs)	180
Energy Efficiency Class (A->G) of contained light source	D
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	21
Max. products per 13A C Breaker	28
Max. products per 16A C Breaker	36
Max. products per 20A C Breaker	45
Max. products per 10A B Breaker	13
Max. products per 13A B Breaker	17
Max. products per 16A B Breaker	22
Max. products per 20A B Breaker	27

Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	96000

RANA NEO 8800LM S 1500 830 SSC EM 2L WHITE

Item No: 0054268



Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Nominal Product Length (mm)	1440
Nominal Product Width (mm)	187
Nominal Product Height (mm)	47
Weight (kg)	3.9

Packaging

Product EAN number	5410288542683
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (inner)	05410288542683
Units per outer package	1
Packaging outer length / height (cm)	153.5
Packaging outer width (cm)	6.5
Packaging outer depth (cm)	21.0

Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	-5-25