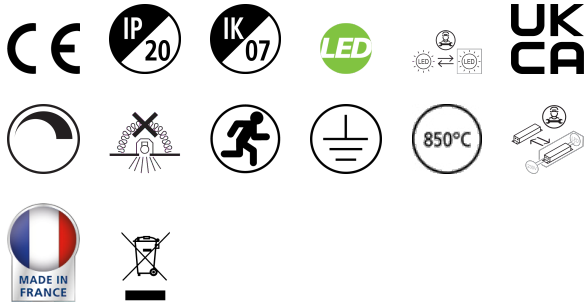


RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE

Item No: 0054242

SYLVANIA

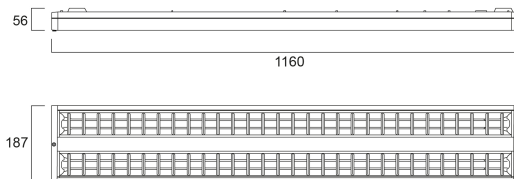
PROTM



Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x56mm, White body colour, IP20, IK07, DALI Dimmable, Emergency 3 hours, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 6800lm, 60W, 113lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse) LED Colour Consistency, UGR<18, 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 [°]	Beam diameter [m]	Beam area [m²]	Beam flux [lm]	Beam illuminance [lx]
0.5	0.90	60.0°	0.90	0.81	15470	19100
1.0	1.79	60.0°	1.79	3.20	4818	1506
1.5	2.69	60.0°	2.69	7.24	2082	286
2.0	3.59	60.0°	3.59	12.88	1134	88
2.5	4.49	60.0°	4.49	20.16	739	36
3.0	5.39	60.0°	5.39	29.04	513	18
3.5	6.29	60.0°	6.29	39.56	388	10
4.0	7.19	60.0°	7.19	51.64	298	6
4.5	8.09	60.0°	8.09	65.44	228	4
5.0	8.99	60.0°	8.99	80.81	173	2
5.5	9.89	60.0°	9.89	97.81	131	1
6.0	10.79	60.0°	10.79	116.41	100	0.9
6.5	11.69	60.0°	11.69	136.61	77	0.6
7.0	12.59	60.0°	12.59	158.41	59	0.4
7.5	13.49	60.0°	13.49	181.81	45	0.3
8.0	14.39	60.0°	14.39	206.81	34	0.2
8.5	15.29	60.0°	15.29	233.41	26	0.1
9.0	16.19	60.0°	16.19	261.61	20	0.1
9.5	17.09	60.0°	17.09	291.41	15	0.05
10.0	17.99	60.0°	17.99	322.81	11	0.03
10.5	18.89	60.0°	18.89	355.81	8	0.02
11.0	19.79	60.0°	19.79	390.41	6	0.01
11.5	20.69	60.0°	20.69	426.61	4	0.01
12.0	21.59	60.0°	21.59	464.41	3	0.005
12.5	22.49	60.0°	22.49	503.81	2	0.003
13.0	23.39	60.0°	23.39	544.81	1	0.001
13.5	24.29	60.0°	24.29	587.41	0.8	0.0005
14.0	25.19	60.0°	25.19	631.61	0.6	0.0002
14.5	26.09	60.0°	26.09	677.41	0.4	0.0001
15.0	26.99	60.0°	26.99	724.81	0.3	0.00005
15.5	27.89	60.0°	27.89	773.81	0.2	0.00002
16.0	28.79	60.0°	28.79	824.41	0.1	0.00001
16.5	29.69	60.0°	29.69	876.61	0.08	0.000005
17.0	30.59	60.0°	30.59	930.41	0.06	0.000002
17.5	31.49	60.0°	31.49	985.81	0.04	0.000001
18.0	32.39	60.0°	32.39	1042.81	0.03	0.0000005
18.5	33.29	60.0°	33.29	1101.41	0.02	0.0000002
19.0	34.19	60.0°	34.19	1161.61	0.01	0.0000001
19.5	35.09	60.0°	35.09	1223.41	0.008	0.00000005
20.0	35.99	60.0°	35.99	1286.81	0.006	0.00000002
20.5	36.89	60.0°	36.89	1351.81	0.004	0.00000001
21.0	37.79	60.0°	37.79	1418.41	0.003	0.000000005
21.5	38.69	60.0°	38.69	1486.61	0.002	0.000000002
22.0	39.59	60.0°	39.59	1556.41	0.001	0.000000001
22.5	40.49	60.0°	40.49	1627.81	0.0008	0.0000000005
23.0	41.39	60.0°	41.39	1700.81	0.0006	0.0000000002
23.5	42.29	60.0°	42.29	1775.41	0.0004	0.0000000001
24.0	43.19	60.0°	43.19	1851.61	0.0003	0.00000000005
24.5	44.09	60.0°	44.09	1929.41	0.0002	0.00000000002
25.0	44.99	60.0°	44.99	2008.81	0.0001	0.00000000001
25.5	45.89	60.0°	45.89	2089.81	0.00008	0.000000000005
26.0	46.79	60.0°	46.79	2172.41	0.00006	0.000000000002
26.5	47.69	60.0°	47.69	2256.61	0.00004	0.000000000001
27.0	48.59	60.0°	48.59	2342.41	0.00003	0.0000000000005
27.5	49.49	60.0°	49.49	2429.81	0.00002	0.0000000000002
28.0	50.39	60.0°	50.39	2518.81	0.00001	0.0000000000001
28.5	51.29	60.0°	51.29	2609.41	0.000008	0.00000000000005
29.0	52.19	60.0°	52.19	2701.61	0.000006	0.00000000000002
29.5	53.09	60.0°	53.09	2795.41	0.000004	0.00000000000001
30.0	53.99	60.0°	53.99	2890.81	0.000003	0.000000000000005
30.5	54.89	60.0°	54.89	2987.81	0.000002	0.000000000000002
31.0	55.79	60.0°	55.79	3086.41	0.000001	0.000000000000001
31.5	56.69	60.0°	56.69	3186.61	0.0000008	0.0000000000000005
32.0	57.59	60.0°	57.59	3288.41	0.0000006	0.0000000000000002
32.5	58.49	60.0°	58.49	3391.81	0.0000004	0.0000000000000001
33.0	59.39	60.0°	59.39	3496.81	0.0000003	0.00000000000000005
33.5	60.29	60.0°	60.29	3603.41	0.0000002	0.00000000000000002
34.0	61.19	60.0°	61.19	3711.61	0.0000001	0.00000000000000001
34.5	62.09	60.0°	62.09	3821.41	0.00000008	0.000000000000000005
35.0	62.99	60.0°	62.99	3932.81	0.00000006	0.000000000000000002
35.5	63.89	60.0°	63.89	4045.81	0.00000004	0.000000000000000001
36.0	64.79	60.0°	64.79	4160.41	0.00000003	0.0000000000000000005
36.5	65.69	60.0°	65.69	4276.61	0.00000002	0.0000000000000000002
37.0	66.59	60.0°	66.59	4394.41	0.00000001	0.0000000000000000001
37.5	67.49	60.0°	67.49	4513.81	0.000000008	0.00000000000000000005
38.0	68.39	60.0°	68.39	4634.81	0.000000006	0.00000000000000000002
38.5	69.29	60.0°	69.29	4757.41	0.000000004	0.00000000000000000001
39.0	70.19	60.0°	70.19	4881.61	0.000000003	0.000000000000000000005
39.5	71.09	60.0°	71.09	5007.41	0.000000002	0.000000000000000000002
40.0	71.99	60.0°	71.99	5134.81	0.000000001	0.000000000000000000001
40.5	72.89	60.0°	72.89	5263.81	0.0000000008	0.0000000000000000000005
41.0	73.79	60.0°	73.79	5394.41	0.0000000006	0.0000000000000000000002
41.5	74.69	60.0°	74.69	5526.61	0.0000000004	0.0000000000000000000001
42.0	75.59	60.0°	75.59	5660.41	0.0000000003	0.00000000000000000000005
42.5	76.49	60.0°	76.49	5795.81	0.0000000002	0.00000000000000000000002
43.0	77.39	60.0°	77.39	5932.81	0.0000000001	0.00000000000000000000001
43.5	78.29	60.0°	78.29	6071.41	0.00000000008	0.000000000000000000000005
44.0	79.19	60.0°	79.19	6211.61	0.00000000006	0.000000000000000000000002
44.5	80.09	60.0°	80.09	6353.41	0.00000000004	0.000000000000000000000001
45.0	80.99	60.0°	80.99	6496.81	0.00000000003	0.0000000000000000000000005
45.5	81.89	60.0°	81.89	6641.81	0.00000000002	0.0000000000000000000000002
46.0	82.79	60.0°	82.79	6788.41	0.00000000001	0.0000000000000000000000001
46.5	83.69	60.0°	83.69	6936.61	0.000000000008	0.00000000000000000000000005
47.0	84.59	60.0°	84.59	7086.41	0.000000000006	0.00000000000000000000000002
47.5	85.49	60.0°	85.49	7237.81	0.000000000004	0.00000000000000000000000001
48.0	86.39	60.0°	86.39	7390.81	0.000000000003	0.000000000000000000000000005
48.5	87.29	60.0°	87.29	7545.41	0.000000000002	0.000000000000000000000000002
49.0	88.19	60.0°	88.19	7701.61	0.000000000001	0.000000000000000000000000001
49.5	89.09	60.0°	89.09	7859.41	0.0000000000008	0.0000000000000000000000000005
50.0	89.99	60.0°	89.99	8018.81	0.0000000000006	0.0000000000000000000000000002
50.5	90.89	60.0°	90.89	8179.81	0.0000000000004	0.0000000000000000000000000001
51.0	91.79	60.0°	91.79	8342.41	0.0000000000003	0.00000000000000000000000000005
51.5	92.69	60.0°	92.69	8506.61	0.0000000000002	0.00000000000000000000000000002
52.0	93.59	60.0°	93.59	8672.41	0.0000000000001	0.00000000000000000000000000001
52.5	94.49	60.0°	94.49	8839.81	0.00000000000008	0.000000000000000000000000000005
53.0	95.39	60.0°	95.39	9008.81	0.00000000000006	0.000000000000000000000000000002
53.5	96.29	60.0°	96.29	9179.41	0.00000000000004	0.000000000000000000000000000001
54.0	97.19	60.0°	97.19	9351.61	0.00000000000003	0.0000000000000000000000000000005
54.5	98.09	60.0°	98.09	9525.41	0.00000000000002	0.0000000000000000000000000000002
55.0	98.99	60.0°	98.99	9700.81	0.00000000000001	0.0000000000000000000000000000001
55.5	99.89	60.0°	99.89	9877.81	0.000000000000008	0.00000000000000000000000000000005
56.0	100.79	60.0°	100.79	10056.41	0.000000000000006	0.00000000000000000000000000000002
56.5	101.69	60.0°	101.69	10236.61	0.000000000000004	0.00000000000000000000000000000001
57.0	102.59	60.0°	102.59	10418.41	0.000000000000003	0.000000000000000000000000000000005
57.5	103.49	60.0°	103.49	10601.81	0.000000000000002	0.000000000000000000000000000000002
58.0	104.39	60.0°	104.39	10786.81	0.000000000000001	0.000000000000000000000000000000001
58.5	105.29	60.0°	105.29	10973.41	0.0000000000000008	0.0000000000000000000000000000000005
59.0	106.19	60.0°	106.19	11161.61	0.0000000000000006	0.0000000000000000000000000000000002
59.5	107.09	60.0°	107.09	11351.41	0.0000000000000004	0.0000000000000000000000000000000001
60.0	107.99	60.0°	107.99	11542.81	0.0000000000000003	0.00000000000000000000000000000000005
60.5	108.89	60.0°	108.89	11735.81	0.0000000000000002	0.00000000000000000000000000000000002
61.0	109.79	60.0°	109.79	11930.41	0.0000000000000001	0.00000000000000000000000000000000001
61.5	110.69	60.0°	110.69	12126.61	0.00000000000000008	0.000000000000000000000000000000000005
62.0	111.59	60.0°	111.59	12324.41	0.00000000000000006	0.000000000000000000000000000000000002
62.5	112.49	60.0°	112.49	12523.81	0.00000000000000004	0.000000000000000000000000000000000001
63.0	113.39	60.0°	113.39	12724.81	0.00000000000000003	0.0000000000000000

RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE

Item No: 0054242

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General data

Product name	RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Built in presence detector	NONE
General application	Office, Education
Operating temperature range (°C)	5°C...+25°C
Performance ambient temperature Tq (°C)	25
Virtual assistant compatibility	N/A
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	6800
Luminaire efficacy (lm/W)	113
Correlated colour temperature (k)	3000
Light colour	Warm White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Distribution type	Symmetric
Glare control	< 19
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	80

Electrical data

Emergency mode	Non-maintained
Emergency type	
Emergency duration (h)	3
Total power consumption (W)	60
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.99
THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x %	9
Electrical protection	Class I
Control gear required	No
Control gear type	LED driver constant current
Dimmable	Yes
Dimming method	SylSmart Standalone (SSC)
Minimum dimming level (%)	1
Drive current (mA)	300
Inrush Current (A)	23
Inrush Duration (µs)	174
Energy Efficiency Class (A->G) of contained light source	C
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
Connectable conductor cross section - Min (mm²)	0.75
Connectable conductor cross section - Max (mm²)	2.5

RANA NEO 6800LM S 1200 830 DALI EM 2L WHITE

Item No: 0054242



Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	96000

Physical data

Housing colour	RAL 9016 - Traffic white / Bezel
IP rating	IP20
IK rating	IK07
Diffuser finish	Opal
Diffuser material	PC Polycarbonate
Reflector finish	Not Applicable
Nominal Product Length (mm)	1160
Nominal Product Width (mm)	187
Nominal Product Height (mm)	47
Weight (kg)	3.2

Packaging

Product EAN number	5410288542423
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (inner)	05410288542423
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