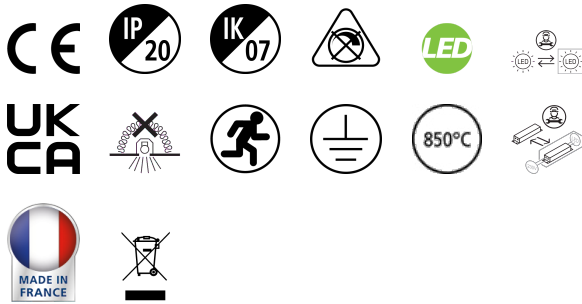


# RANA NEO 8800LM S 1500 830 CC EM 2L WHITE

Item No: 0054264

**SYLVANIA**

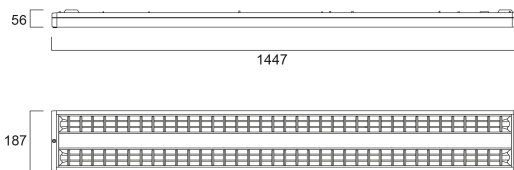
**PRO**<sup>TM</sup>



Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1447x187x56mm, White body colour, IP20, IK07, Constant Current, Emergency 3 hours, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 8800lm, 72W, 122lm/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]	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144	E145	E146	E147	E148	E149	E150	E151	E152	E153	E154	E155	E156	E157	E158	E159	E160	E161	E162	E163	E164	E165	E166	E167	E168	E169	E170	E171	E172	E173	E174	E175	E176	E177	E178	E179	E180	E181	E182	E183	E184	E185	E186	E187	E188	E189	E190	E191	E192	E193	E194	E195	E196	E197	E198	E199	E200	E201	E202	E203	E204	E205	E206	E207	E208	E209	E210	E211	E212	E213	E214	E215	E216	E217	E218	E219	E220	E221	E222	E223	E224	E225	E226	E227	E228	E229	E230	E231	E232	E233	E234	E235	E236	E237	E238	E239	E240	E241	E242	E243	E244	E245	E246	E247	E248	E249	E250	E251	E252	E253	E254	E255	E256	E257	E258	E259	E260	E261	E262	E263	E264	E265	E266	E267	E268	E269	E270																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
0.5	0.90 0.66	2095	4190	6285	8380	10475	12570	14665	16760	18855	20950	23045	25140	27235	29330	31425	33520	35615	37710	39805	41900	43995	46090	48185	50280	52375	54470	56565	58660	60755	62850	64945	67040	69135	71230	73325	75420	77515	79610	81705	83800	85895	87990	90085	92180	94275	96370	98465	100560	102655	104750	106845	108940	111035	113130	115225	117320	119415	121510	123605	125700	127795	129890	131985	134080	136175	138270	140365	142460	144555	146650	148745	150840	152935	155030	157125	159220	161315	163410	165505	167600	169695	171790	173885	175980	178075	180170	182265	184360	186455	188550	190645	192740	194835	196930	199025	201120	203215	205310	207405	209500	211595	213690	215785	217880	219975	222070	224165	226260	228355	230450	232545	234640	236735	238830	240925	243020	245115	247210	249305	251400	253495	255590	257685	259780	261875	263970	266065	268160	270255	272350	274445	276540	278635	280730	282825	284920	287015	289110	291205	293300	295395	297490	299585	301680	303775	305870	307965	310060	312155	314250	316345	318440	320535	322630	324725	326820	328915	331010	333105	335200	337295	339390	341485	343580	345675	347770	349865	351960	354055	356150	358245	360340	362435	364530	366625	368720	370815	372910	375005	377100	379195	381290	383385	385480	387575	389670	391765	393860	395955	398050	400145	402240	404335	406430	408525	410620	412715	414810	416905	419000	421095	423190	425285	427380	429475	431570	433665	435760	437855	439950	442045	444140	446235	448330	450425	452520	454615	456710	458805	460900	462995	465090	467185	469280	471375	473470	475565	477660	479755	481850	483945	486040	488135	490230	492325	494420	496515	498610	500705	502800	504895	506990	509085	511180	513275	515370	517465	519560	521655	523750	525845	527940	530035	532130	534225	536320	538415	540510	542605	544700	546795	548890	550985	553080	555175	557270	559365	561460	563555	565650	567745	569840	571935	574030	576125	578220	580315	582410	584505	586600	588695	590790	592885	594980	597075	599170	601265	603360	605455	607550	609645	611740	613835	615930	618025	620120	622215	624310	626405	628500	630595	632690	634785	636880	638975	641070	643165	645260	647355	649450	651545	653640	655735	657830	659925	662020	664115	666210	668305	670400	672495	674590	676685	678780	680875	682970	685065	687160	689255	691350	693445	695540	697635	699730	701825	703920	706015	708110	710205	712300	714395	716490	718585	720680	722775	724870	726965	729060	731155	733250	735345	737440	739535	741630	743725	745820	747915	750010	752105	754200	756295	758390	760485	762580	764675	766770	768865	770960	773055	775150	777245	779340	781435	783530	785625	787720	789815	791910	794005	796100	798195	800290	802385	804480	806575	808670	810765	812860	814955	817050	819145	821240	823335	825430	827525	829620	831715	833810	835905	838000	840095	842190	844285	846380	848475	850570	852665	854760	856855	858950	861045	863140	865235	867330	869425	871520	873615	875710	877805	879900	882000	884095	886190	888285	890380	892475	894570	896665	898760	900855	902950	905045	907140	909235	911330	913425	915520	917615	919710	921805	923900	926000	928095	930190	932285	934380	936475	938570	940665	942760	944855	946950	949045	951140	953235	955330	957425	959520	961615	963710	965805	967900	970000	972095	974190	976285	978380	980475	982570	984665	986760	988855	990950	993045	995140	997235	999330	1001425	1003520	1005615	1007710	1009805	1011900	1014000	1016095	1018190	1020285	1022380	1024475	1026570	1028665	1030760	1032855	1034950	1037045	1039140	1041235	1043330	1045425	1047520	1049615	1051710	1053805	1055900	1058000	1060095	1062190	1064285	1066380	1068475	1070570	1072665	1074760	1076855	1078950	1081045	1083140	1085235	1087330	1089425	1091520	1093615	1095710	1097805	1099900	1102000	1104095	1106190	1108285	1110380	1112475	1114570	1116665	1118760	1120855	1122950	1125045	1127140	1129235	1131330	1133425	1135520	1137615	1139710	1141805	1143900	1146000	1148095	1150190	1152285	1154380	1156475	1158570	1160665	1162760	1164855	1166950	1169045	1171140	1173235	1175330	1177425	1179520	1181615	1183710	1185805	1187900	1190000	1192095	1194190	1196285	1198380	1200475	1202570	1204665	1206760	1208855	1210950	1213045	1215140	1217235	1219330	1221425	1223520	1225615	1227710	1229805	1231900	1234000	1236095	1238190	1240285	1242380	1244475	1246570	1248665	1250760	1252855	1254950	1257045	1259140	1261235	1263330	1265425	1267520	1269615	1271710	1273805	1275900	1278000	1280095	1282190	1284285	1286380	1288475	1290570	1292665	1294760	1296855	1298950	1301045	1303140	1305235	1307330	1309425	1311520	1313615	1315710	1317805	1319900	1322000	1324095	1326190	1328285	1330380	1332475	1334570	1336665	1338760	1340855	1342950	1345045	1347140	1349235	1351330	1353425	1355520	1357615	1359710	1361805	1363900	1366000	1368095	1370190	1372285	1374380	1376475	1378570	1380665	1382760	1384855	1386950	1389045	1391140	1393235	1395330	1397425	1399520	1401615	1403710	1405805	1407900	1410000	1412095	1414190	1416285	1418380	1420475	1422570	1424665	1426760	1428855	1430950	1433045	1435140	1437235	1439330	1441425	1443520	1445615	144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**SYLVANIA**

## General data

Product name	RANA NEO 8800LM S 1500 830 CC 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)	8800
Luminaire efficacy (lm/W)	122
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)	78
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.95
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	LED driver constant current
Dimmable	No
Dimming method	N/A
Drive current (mA)	300
Inrush Current (A)	45
Inrush Duration (µs)	100
Energy Efficiency Class (A->G) of contained light source	C, D(more than 1 Light Source)
Nominal Frequency (Hz)	50/60Hz
LED Flickering Rate	Ultra low (5% or less)
Max. products per 10A C Breaker	31
Max. products per 16A C Breaker	51
Max. products per 20A C Breaker	62
Max. products per 10A B Breaker	18
Max. products per 16A B Breaker	30
Max. products per 20A B Breaker	37
Connectable conductor cross section - Min (mm <sup>2</sup> )	0.75
Connectable conductor cross section - Max (mm <sup>2</sup> )	2.5

## Lifetime data

Lifespan L70 B50	100000
Lifespan L80 B20	96000

# RANA NEO 8800LM S 1500 830 CC EM 2L WHITE

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**SYLVANIA**

## 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)	1440
Nominal Product Width (mm)	187
Nominal Product Height (mm)	47
Weight (kg)	3.9

## Packaging

Product EAN number	5410288542645
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (inner)	05410288542645
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