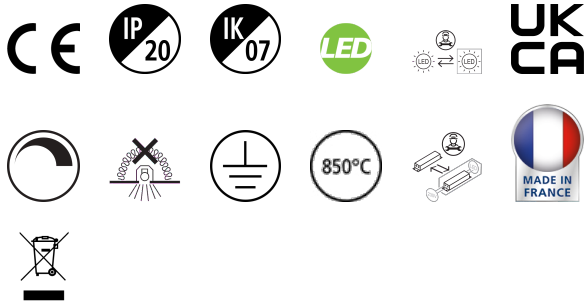


RANA NEO 6800LM S 1200 830 DALI 2L WHITE

Item No: 0054236

SYLVANIA

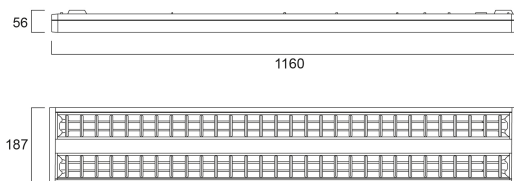
PROTM



Surface or Suspended LED luminaire with Micro Prismatic Optic, Direct Light Distribution, Luminaire Dimensions: 1160x187x56mm, White body colour, IP20, IK07, DALI Dimmable, Low LED flicker (+/-5%), Warm White (3000K) LED Colour Temperature, 6800lm, 58W, 117lm/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)

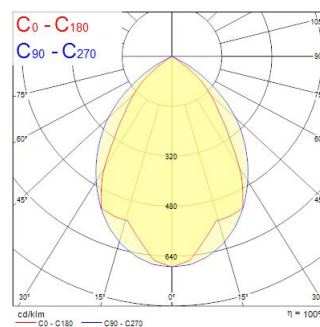


Photometrics

Distance [m]	Cone diameter [m]	E171	E180	E190	E200	E210	E220	E230	E240	E250	E260	E270	E280	E290	E300	Beam angle [°]	Illuminance [lx]
0.5	0.90 0.66	1470	1350	1230	1110	1000	900	800	700	600	500	400	300	200	100	41°	3510
1.0	1.79 1.37	4610	4200	3800	3400	3000	2600	2200	1800	1400	1000	700	500	300	150	41°	820
1.5	2.68 2.05	2080	1900	1720	1540	1360	1180	1000	820	640	460	280	180	100	50	41°	420
2.0	3.59 2.74	1150	1050	950	850	750	650	550	450	350	250	150	100	50	41°	300	
2.5	4.49 3.42	730	660	600	540	480	420	360	300	240	180	120	80	40	41°	230	
3.0	5.38 4.11	510	460	420	380	340	300	260	220	180	140	100	60	30	41°	180	

Distance [m] Cone diameter [m] Illuminance [lx]

— C0 - C180 (Half beam angle: 60.9°)
— C90 - C270 (Half beam angle: 63.9°)



RANA NEO 6800LM S 1200 830 DALI 2L WHITE

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General data

Product name	RANA NEO 6800LM S 1200 830 DALI 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)	117
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

Electrical data

Emergency type	
Total power consumption (W)	58
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	DALI-2
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 (mm ²)	0.75
Connectable conductor cross section - Max (mm ²)	2.5

RANA NEO 6800LM S 1200 830 DALI 2L WHITE

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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	5410288542362
Packaging single length / height (cm)	153.5
Packaging single width (cm)	6.5
Packaging single depth (cm)	21.0
DUN14 (inner)	05410288542362
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