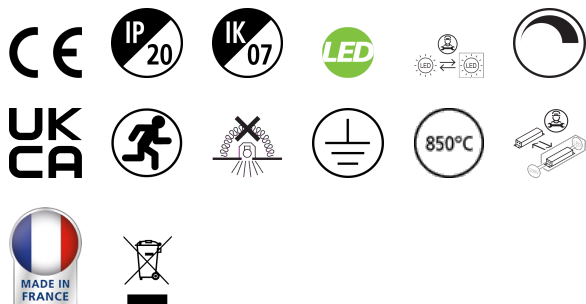


RANA LINEAR S 3KLM NW OPAL D EMPRO

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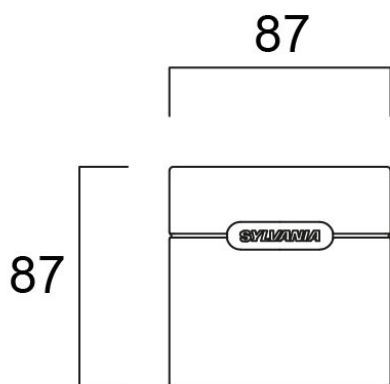
PROTM



Surface or Suspended LED Linear luminaire with Opal diffuser, Dimensions: 1150mm x 87mm x 87mm, Direct, White Body, DALI Dimmable (Switch-Dim), Emergency 3 hours maintained, Neutral White LED (4000K), 3210lm, 35W, 92lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<23, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C

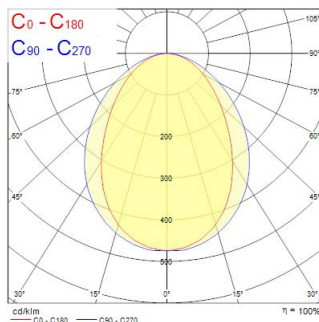
Technical Assets

Dimensions (mm)



Photometrics

Distance [m]	Cone diameter [m]	Beam angle [°]	Beam diameter [m]	Beam area [m²]	Beam illuminance [lx]
0.5	1.13	0.80	1.13	1.00	1130
1.0	2.26	1.60	2.26	4.00	282
1.5	3.39	2.39	3.39	9.00	156
2.0	4.52	3.18	4.52	16.00	90
2.5	5.65	3.96	5.65	25.00	65
3.0	6.78	4.77	6.78	36.00	48



RANA LINEAR S 3KLM NW OPAL D EMPRO

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General data

Product name	RANA LINEAR S 3KLM NW OPAL D EMPRO
Technology	LED
Cap/Base	N/A
Housing	Steel
Mount	Ceiling surface mounting, Suspended
Built in presence detector	NONE
Fixture rating	Enclosed
Environment	Internal
General application	Office, Education, Retail
Operating temperature range (°C)	5°C...+30°C
Performance ambient temperature Tq (°C)	25
Virtual assistant compatibility	N/A
ETIM Class	EC002892
Warranty	5 years

Optical data

Fixture luminous flux (lm)	3210
Luminaire efficacy (lm/W)	92
LOR (%)	100
Correlated colour temperature (k)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Variation Initial (SDCM)	SDCM3
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Distribution type	Symmetric
Glare control	< 25
Photobiological Risk Group	RG0
Luminous flux (emergency) (lm)	452

Electrical data

Emergency mode	Maintained
Emergency type	
Emergency duration (h)	3
Total power consumption (W)	35
Primary Supply/Product voltage - min (V)	220.0
Primary Supply/Product voltage - max (V)	240.0
Lamp power factor	0.98
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)	22.4
Inrush Duration (µs)	176
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 LINEAR S 3KLM NW OPAL D EMPRO

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Lifetime data

Lifespan L70 B50	60000
Lifespan L70 B20	60000
Lifespan L70 B10	60000
Lifespan L80 B50	60000
Lifespan L80 B20	60000
Lifespan L80 B10	60000
Lifespan L90 B50	60000
Lifespan L90 B20	60000
Lifespan L90 B10	60000

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)	1150
Nominal Product Width (mm)	87
Nominal Product Height (mm)	87
Weight (kg)	3.551

Packaging

Product EAN number	5410288512846
Packaging single length / height (cm)	116.59
Packaging single width (cm)	10.52
Packaging single depth (cm)	10.01
DUN14 (inner)	05410288512846
Units per outer package	1
Packaging outer length / height (cm)	116.59
Packaging outer width (cm)	10.52
Packaging outer depth (cm)	10.01

Safety data

Glow Wire Test (°C)	850
Optimal operating condition (°C)	5-30