

RANA Linear Recessed - MicroPrismatic Optic

RANA LINEAR R 3KLM NW MPO 1-10 EM
0052350



Product features

- Ceiling recessed LED Linear luminaire with Micro Prismatic Optic, Dimensions: 1154mm x 90mm x 91mm, Direct, White Body, 1-10V Dimmable, Emergency 3 hours maintained, Neutral White LED (4000K), 2890lm, 35W, 83lm/W efficacy, CRI>80, 3 SDCM (3-step MacAdam ellipse), Low LED Flicker (+/-5%), UGR<21, L90B10 at 50,000 hours, Electric Class1, Glow Wire Test 850°C, Can be covered with building insulation of Glass wool type



PRODUCT OVERVIEW

IPC Code	0052350
Product name	RANA LINEAR R 3KLM NW MPO 1-10 EM
Technology	LED
Housing	Steel
Mount	Ceiling recessed
Fixture rating	Enclosed
Environment	Internal
General application	Office,Hospitality,Retail,Education,
Certifications	EUNEW001
ETIM Class	EC002892
Fixture luminous flux (lm)	2890
Luminaire efficacy (lm/W)	82.57
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Glare control	UGR<23
Photobiological Risk Group	Group 0
Total power consumption (W)	35
Electrical protection	Class I
Control gear type	Electronic
Minimum dimming level (%)	90
Housing colour	White RAL 9016
IP rating	IP20
IK rating	IK07
Product EAN number	5410288523507
Luminous flux (emergency) (lm)	463
Lamps	Yes
Included lamp	INTEGRATED LED

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DATA TABLE

General data

IPC Code	0052350
Product name	RANA LINEAR R 3KLM NW MPO 1-10 EM
Technology	LED
Housing	Steel
Mount	Ceiling recessed
Fixture rating	Enclosed
Environment	Internal
General application	Office,Hospitality,Retail,Education,
Operating temperature range (°C)	+5 to +30
Certifications	EUNEW001
ETIM Class	EC002892

Optical data

Fixture luminous flux (lm)	2890
Luminaire efficacy (lm/W)	82.57
LOR (%)	100
Colour temperature (K)	4000
Light colour	Neutral White
CRI (Ra)	80
Colour Consistency (SDCM)	3
Adjustable chromaticity	N
Distribution type	Direct
Glare control	UGR<23
Photobiological Risk Group	Group 0
Emergency duration (h)	3.0

Electrical data

Total power consumption (W)	35
Mains voltage (V)	220-240V~
Electrical protection	Class I
Control gear type	Electronic
Minimum dimming level (%)	90
Drive current (mA)	300
Inrush Current (A)	45
Inrush Duration (µs)	100
Glow Wire Test (°C)	850
Lamp Energy Label (class)	A++
Nominal Frequency (Hz)	50/60Hz
Max. Luminaires per 16A C Breaker	31

Lifetime data

Lumen maintenance - L70 B50	60000
Lumen maintenance - L70 B20	60000
Lumen maintenance - L70 B10	60000
Lumen maintenance - L80 B50	60000
Lumen maintenance - L80 B20	60000

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Lumen maintenance - L80 B10	60000
Lumen maintenance - L90 B50	60000
Lumen maintenance - L90 B20	60000
Lumen maintenance - L90 B10	60000

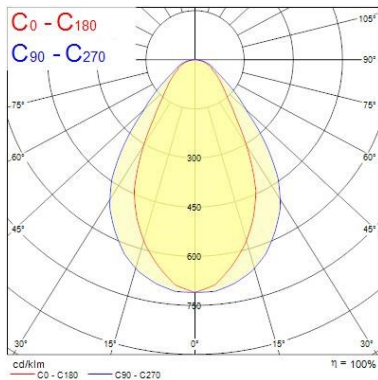
Physical data

Housing colour	White RAL 9016
IP rating	IP20
IK rating	IK07
Diffuser finish	Micro Prismatic Optic
Diffuser material	Polycarbonate
Nominal Product Length (mm)	1150
Nominal Product Width (mm)	90
Nominal Product Height (mm)	91
Weight (kg)	3.75
Recessed Depth (mm)	90

Packaging

Single packaging type	Carton
Product EAN number	5410288523507
Packaging single length / height (cm)	117.0
Packaging single width (cm)	10.5
Packaging single depth (cm)	11.5
DUN14 (outer)	5410288523507
Units per outer package	1
Packaging outer length / height (cm)	117.0
Packaging outer width (cm)	10.5
Packaging outer depth (cm)	11.5

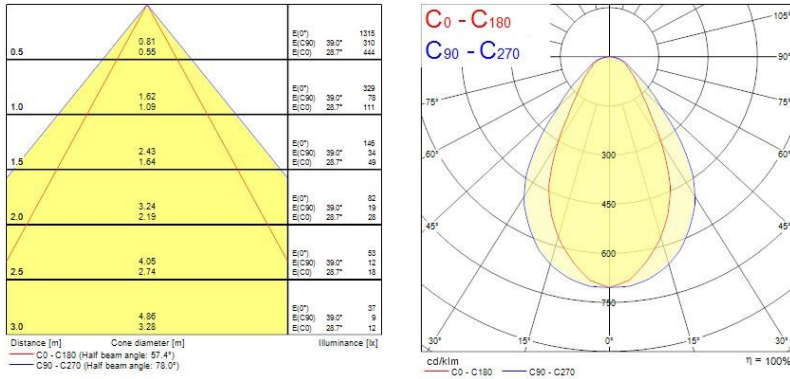
PHOTOMETRY



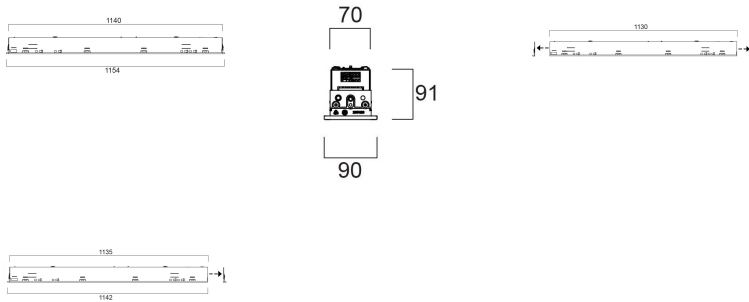
Distance [m]	Cone diameter [m]	E ₀ [lx]	E _{10%} [lx]	E _{5%} [lx]
0.5	0.82 0.65	8140	39.2° 190	23.8° 2740
1.0	1.63 1.10	2035	39.2° 475	23.8° 886
1.5	2.45 1.65	904	39.2° 211	23.8° 305
2.0	3.26 2.20	509	39.2° 119	23.8° 171
2.5	4.08 2.75	325	39.2° 78	23.8° 110
3.0	4.89 3.30	225	39.2° 53	23.8° 75

Distance [m] Cone diameter [m] Illuminance [lx]
 C0 - C180 (Half beam angle: 57.6°)
 C90 - C270 (Half beam angle: 76.4°)

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TECHNICAL DRAWINGS



RANA Linear Recessed - MicroPrismatic Optic RANA LINEAR R 3KLM NW MPO 1-10 EM 0052350

The image shows a standard EU energy label for a luminaire. At the top, it features the SYLVANIA logo and the product number 0052350. Below this, there is a blue icon of a luminaire and the text: "This luminaire is compatible with bulbs of the energy classes:". To the right of this text is a black arrow pointing left towards the A++ energy class. On the left side, there is a vertical scale of energy classes represented by colored arrows: A++ (green), A+ (light green), A (yellow-green), B (yellow), C (orange), D (red), and E (dark red). Below the scale, the text reads: "This luminaire is sold with a bulb of the energy class:". At the bottom of the label, the unit "kWh/1000h" is indicated.