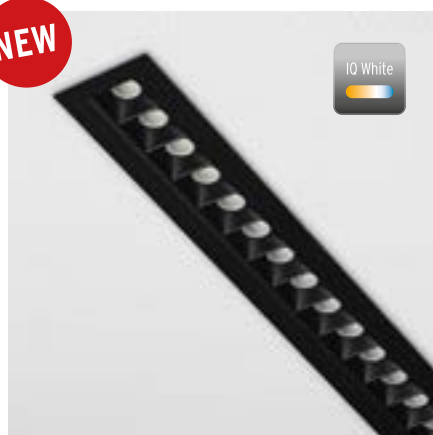


MARS NANO CV IQ White Recessed IP40

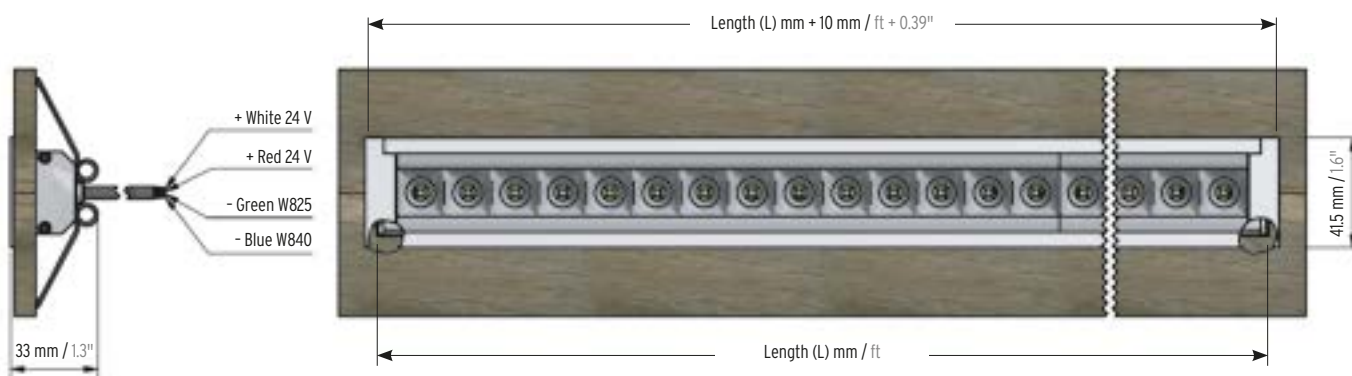
NEW



24 V slim linear LED invisible downlight luminaire in IP40 with optimal glare control available as recessed with a remarkable low depth of installation of 33 mm (1.3") or surface-mounted & pendant version in a robust 42 mm x 62 mm (1.65" x 2.44") housing. Extruded and anodized aluminum casing profiles and magnetic aluminum end caps (for surface and pendant) available in silver, black or white colors. Easy tool free recessed installation with pre-mounted springs. Delivered with 2 m (6.56') open end black cable. Nanometric lenses optics technology enabling accurate 15°, 25°, 40° or 65° beam angle gaussian lighting distribution. Antiglare optics available in black or white offering a UGR as low as < 13 for an optimal visual comfort. Color temperature tunable between 2,500 K and 5,000 K for an optimal CCT tuning along the Planckian Locus. Assembled using state of the art automated Reel to Reel (R2R) production process supporting LED Linear™ Tj Away® thin flexible circuit board technology. In

combination with CSP LED packages a thermal resistivity of 5.33 K/W is achieved for an optimal heat dissipation (junction to installation surface) which guarantees an outstanding lifetime of > 60,000 hrs L80/B10. Each steps embeds 14 high quality CSP LEDs with 3 step MacAdams (SDCM3) binning centered on target CCT (One Bin Only) with an extended photometric code of Wxxx/339 insuring an exceptional color consistency over the rated lifetime. Premium color rendition with a CRI of 85 and TM-30-15 up to $R_i = 84 / R_a = 101$ ensuring a remarkable light quality. Consistent light intensity all along the strip length is obtained thanks to active current regulation operated by dedicated integrated circuits (ICs) on each step. Protected against electrostatic discharge $\pm 2,000$ V and polarity miswiring. Fully PWM dimmable for frequency > 0 Hz up to 2 kHz (flicker free for frequency higher than 1.2 kHz according to IEEE P1789 standard). Engineered and produced in Germany.

Dimensions & available lengths



Fixture build to length (not field cuttable):

L_{min} : 264 mm; L_{max} : 3,014 mm; in 250 mm increments
 L_{min} : 10.39"; L_{max} : 9.89"; in 9.84" increments

Electrical & output data

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Power (W/m / W/ft) ^A	40 / 12
Efficacy (lm/W) ^A	110
Temperature ^B	T _{Cmin} = -25°C / -13°F, T _{Cmax} = 75°C / 167°F
Storage temperature	T _{Smin} = -30°C / -22°F, T _{Smax} = 80°C / 176°F
Ambient temperature	T _{Amin} = -25°C / -13°F, T _{Amax} = 40°C / 104°F
max. length	12 x 250 mm + 14 mm = 3,014 mm / 12 x 9.84" + 0.55" = 9.9'
CRI / R9	up to 85 / up to 25

MARS NANO CV IQ White LD40 IP40		lumen/meter (lm/m) ^A	lumen/feet (lm/ft) ^A @ 15° Optics ^C	Color temperature ^A
W822			1,540 / 470	
W850			2,090 / 640	
Total			3,630 / 1,110	2,200 K - 5,000 K

^A The given data are typical values. Due to tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

^B The T_C-point should be measured in thermal equilibrium according to IEC EN 60598-1

^C 25°, 40° and 65° reflectors -5% lumen/m.

NanoRay
LED LINEAR™ TECHNOLOGY

ONE BIN ONLY

L80/B10
> 60.000 h

Wxxx/
339

LM 79

LM 80

Please click [here](#) to configure your fixture online

Order code

MARS NANO CV IQ White Recessed IP40

Your order code	MARS NANO CV IQ W LD40	---	---	R	---	IP40
Order code example	MARS NANO CV IQ W LD40	385	BB	R	65	IP40

Length

L_{min}: 264 mm (10.39");
L_{max}: 3,014 mm (9.89");
in 250 mm (9.84") increments

Color

Black profile with black glare reduction BB
Silver profile with black glare reduction SB
White profile with white glare reduction WW
White profile with black glare reduction WB

Mounting

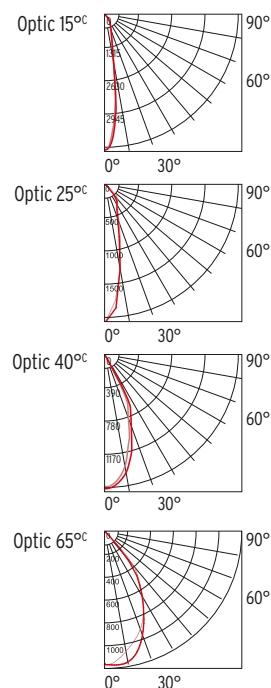
Recessed R

Optics (DIN 5040:A60)

15° Optic 15
25° Optic 25
40° Optic 40
65° Optic 65

Ingress protection

IP40 IP40



cd/1.000 lumen C0/C180 — C90/C270 •••
° DIN 5040:A60



Colors

Black profile with
black glare reduction



Silver profile with
black glare reduction



White profile with
black glare reduction



White profile with
white glare reduction



Please choose your accessories

☒ Fixture comes equipped with mounting brackets and 2 m / 6.56' open end cable pre-equipped.

Recommended power supply	Art.-#	Recommended control unit	Art.-#
<input type="checkbox"/> Power Supply Unit IP20	16000178	<input type="checkbox"/> Control System White/IQ-White	16000268-DT6

For max. cable length between driver and fixture please visit www.led-linear.com/cable-length

For actual data, further options and detailed information, please visit our website www.led-linear.com

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