

MARS ARCHITECTURAL Recessed 62 SW NANO

Area: **Indoor Luminaires**

Category: **General lighting & task lighting**

Mounting: **Recessed with trim (integrated driver) / Recessed with trim (external driver)**



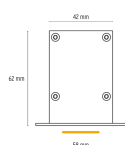
Timeless design luminaire for general lighting with a very wide variety of options.

- The MARS ARCHITECTURAL comes in several shapes and sizes. It has 3 different mounting possibilities (pendant, recessed and surface-mounted) for design consistency throughout a building.
- True nano optics in four precise beam angles combined with an anti-glare provide near invisible light and an UGR as low as < 13. An additional variant with an opal diffuser rounds off the optics.
- A multitude of further options include three housing colors, as well as up to 4 power levels and color temperatures plus options in Tunable White and RGBW.
- Driver and controls can be integrated or external - installations that suit external drivers benefit from the small luminaire height of 31 mm including mounting springs, allowing installation in shallow spaces.
- Smaller luminaires are also more sustainable as less raw materials are used in production and less energy consumed during transport to site.

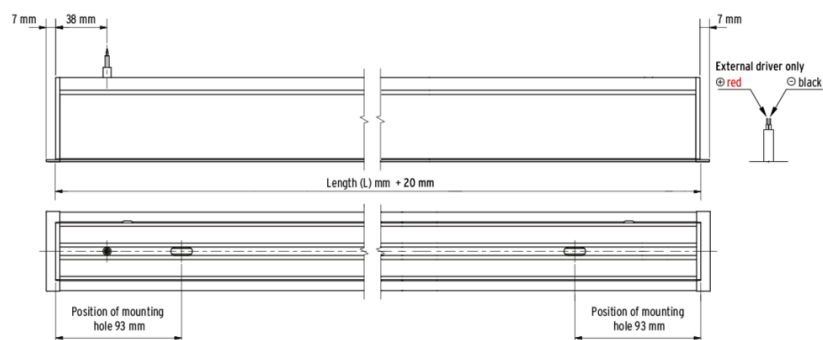
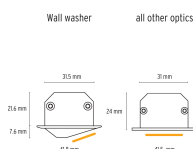
Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS

Type 62 (new)



Type 24 (new)



Tc-point (Case temp.) on the rear side of module

If the luminaire has an integrated sensor dimension details can change. Please refer to the document Information on sensors available as a download from the website.

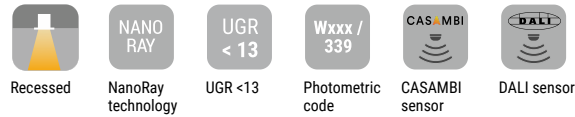
Fixture built to length (not field cuttable): $L = (N \times 125 \text{ mm}) + 20 \text{ mm}$; $N = 3 \dots$ (as follows); $L_{\min} = 395 \text{ mm}$; LD15/LD25: $N_{\max} = 24$; $L = 3,020 \text{ mm}$; LD40: $N_{\max} = 16$; $L = 2,020 \text{ mm}$; With integrated driver the minimum length increases to 770 mm; with driver and controller to 1,020 mm.

TECHNICAL SPECIFICATIONS

Certifications



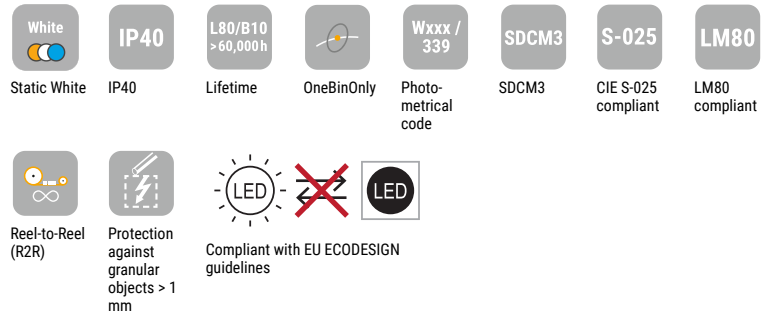
Family Key Features



Awards



Technical Data/Performance



ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V _{min} , 25 V _{max}); 230 Volt
Housing temperature (T _{Cmin} & T _{Cmax})	T _{Cmin} = -25°C, T _{Cmax} = specific, see Table below
Storage Temperature (T _{Smin} & T _{Smax})	T _{Smin} = -30°C, T _{Smax} = 85°C
Ambient temperature (T _{Amin} & T _{Amax})	T _{Amin} = -25°C, T _{Amax} = specific, see Table below
Electrical Class	I (internal PSU); III (external PSU)

MARS ARCHITECTURAL Recessed 62 SW NANO ---	LD15	LD25	LD40
Power (W/m) ^{B D}	15	25	40
Efficacy (lm/W) ^{B D}	100	100	86
max. length (m)	3.02	3.02	2.02
CRI / R9 (up to)	95 / 86	95 / 86	95 / 86
max. Housing temperature (T _{Cmax}) ^C	55°C	60°C	70°C
max. Ambient temperature (T _{Amax})	45°C	40°C	35°C

MARS ARCHITECTURAL Recessed 62 SW NANO	low output			high output
	LD15	LD25	LD40	
Color temperature	luminaire lumens/meter (lm/m)^A @ 40° optics, white antiglare			
● W927 2,700K	1510	2490	3450	
● W930 3,000K	1560	2580	3570	
● W935 3,500K	1580	2620	3630	
● W940 4,000K	1640	2700	3740	

! To configure the specific luminaire please use the online configurator.

Please note: The orange values are CRI 90 specifications.

^A @ 40° optics, white antiglare

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

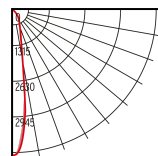
^C The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

^D Efficacy and wattage refer to light engine and optics, without consideration of driver.

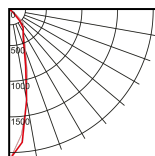
Info: lumen/m with black antiglare ca. 13% reduced

AVAILABLE OPTICS

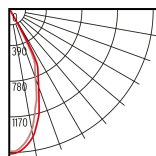
Nano optics



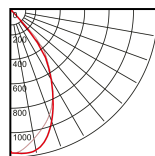
15°



25°

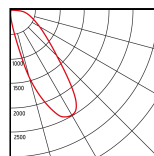


40°



65°

Wall washer



ORDER CODE

TYPICAL APPLICATIONS

Example:

MARS ARCHITECTURAL
 RIS62 15 15W927 BBID

CONFIGURE NOW!

Options for the order code:

Your selections :

Variant

Stand-alone

Optics

15° nano optics 15
 25° nano optics 25
 40° nano optics 40
 65° nano optics 65

LED tape

LD15 (15 W/m) 15
 LD25 (25 W/m) 25
 LD40 (40 W/m) 40

Color temperature

2,700 K W927
 3,000 K W930
 3,500 K W935
 4,000 K W940

Housing color

Black B
 White W
 Silver S

Antiglare color

Black B
 White W

Power supply

Integrated driver (220 V) I
 Integrated driver (220 V) for emergency lighting N

Control

DALI DT-6 D
 DALI controller + integrated DALI sensor F
 Controller + integrated CASAMBI sensor E
 Without controller X

Length

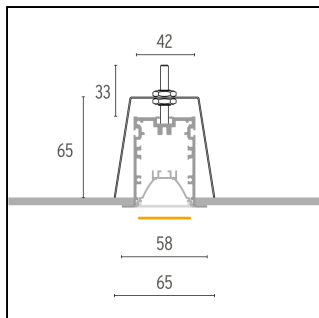
L_{min}: 395 mm 0395
 L_{max}: 3,020 mm 3020

Fixture built to length (not field cuttable): L = (N x 125 mm) + 20 mm; N = 3 ... (as follows); L_{min} = 395 mm; LD15/LD25: N_{max} = 24; L = 3,020 mm; LD40: N_{max} = 16; L = 2,020 mm; With integrated driver the minimum length increases to 770 mm; with driver and controller to 1,020 mm.



MOUNTING

1. Recessed with trim (integrated driver)



Mounting accessories

The required brackets for recessed mounting are included with the luminaire.



VarioClamp Vario Contour 4262R
Recessed clamp for Vario Contour 4262R
Art.-#: 13000080

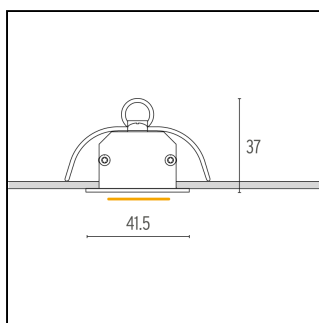
Description

The clamps can be adjusted in height to properly fit the thickness of the ceiling by tightening up the screw/bolt before clicking the light insert in.

Example of application



2. Recessed with trim (external driver)



Mounting accessories

The mounting springs are already fitted to the luminaire.

No additional accessories are required for this mounting option

Description

VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (PSU / CONTROL TO FIXTURE)

0.34 mm² / AWG 22

MARS ARCHITECTURAL Recessed 62 SW NANO	LD15	LD25	LD40
Product run Length	max. cable length between PSU / Control unit and the luminaire		
1 m	12.9 m	7.7 m	4.8 m
2 m	6.4 m	3.8 m	2.4 m
3 m	4.3 m	2.5 m	-
4 m	-	-	-
5 m	-	-	-

1.5 mm² / AWG 15

MARS ARCHITECTURAL Recessed 62 SW NANO	LD15	LD25	LD40
Product run Length	max. cable length between PSU / Control unit and the luminaire		
1 m	57.1 m	34.2 m	21.4 m
2 m	28.5 m	17.1 m	10.7 m
3 m	19 m	11.4 m	-
4 m	-	-	-
5 m	-	-	-

Calculation refers to the cable configuration on site.

The information listed in the table is only refers to the conductor-based voltage drop of max. 0.85V at 24V DC input voltage.

Regarding the electromagnetic combability (EMC) the maximum cable length is defined by the power supply manufacturer.

A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic combability can then be influenced by the conditions of the installation site. There is no data on electromagnetic compatibility for longer cable lengths, which might lead to the necessity of an evaluation of the electromagnetic compatibility by a third party.

Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.