

MARS ARCHITECTURAL Recessed 62 SW Opal

Area: **Indoor Luminaires**

Category: **General lighting & task lighting**

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



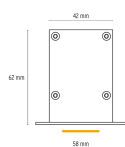
Timeless design luminaire for general lighting with a very wide variety of options.

- 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.

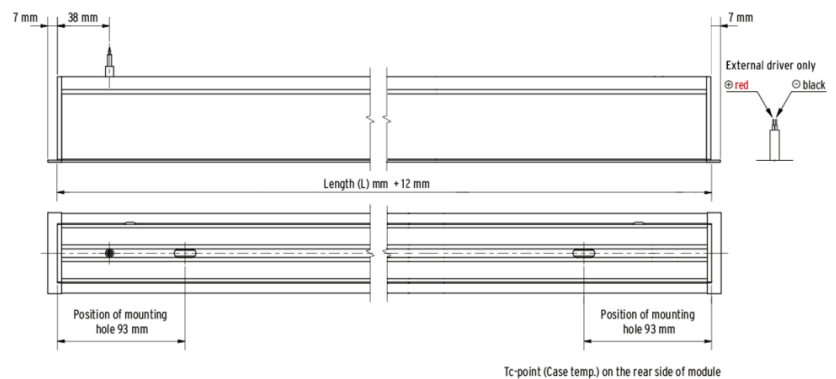
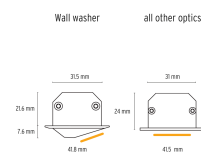
Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS

Type 62 (new)



Type 24 (new)



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.

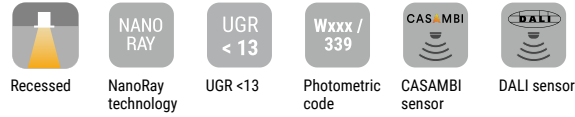
Fixture built to length (not field cuttable): $L = (N \times 125 \text{ mm}) + 12 \text{ mm}$; $N = 3 \dots$ (as follows); $L_{\min} = 387 \text{ mm}$; LD15/LD25: $N_{\max} = 24$; $L = 3,012 \text{ mm}$; LD40: $N_{\max} = 16$; $L_{\min} = 2,012 \text{ mm}$; With integrated driver the minimum length increases to 762 mm; with driver and controller to 1,012 mm.

TECHNICAL SPECIFICATIONS

Certifications



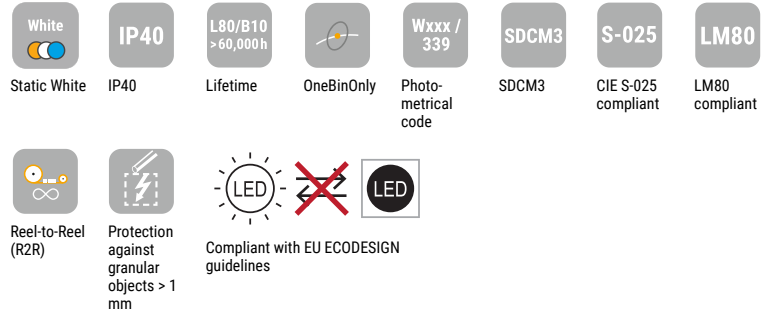
Family Key Features



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 Opal ---	LD15	LD25	LD40
Power (W/m) ^{B D}	15	25	40
Efficacy (lm/W) ^{B D}	76	75	65
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 Opal	low output			high output
	LD15	LD25	LD40	
Color temperature	luminaire lumens/meter (lm/m)^A @ 40° optics, white antiglare			
● W927 2,700K	1310	2170	3000	
● W930 3,000K	1360	2240	3100	
● W935 3,500K	1380	2280	3160	
● W940 4,000K	1420	2350	3260	

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

Please note: The orange values are CRI 90 specifications.

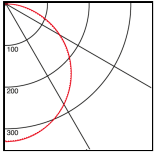
^BThe given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%

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

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

AVAILABLE OPTICS

Cover



opal

ORDER CODE

TYPICAL APPLICATIONS

Example:

MARS ARCHITECTURAL
 R1S62 OL 15W927 BXIC

CONFIGURE NOW!

Options for the order code:

Your selections ■ :

Variant

Stand-alone — ■

Driver

Integrated driver — ■ I

External driver — ■ E

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

Power supply

Integrated driver (220 V) — ■ I

Integrated driver (220 V) for emergency lighting — ■ N

External driver (220 V) — ■ E

Without driver — ■ X

Control

CASAMBI — ■ C

DALI DT-6 — ■ D

Controller + integrated CASAMBI sensor — ■ E

DALI controller + integrated DALI sensor — ■ F

Without controller — ■ X

Length

L_{min}: 387 mm — ■ 0387

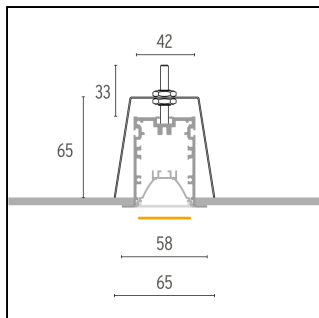
L_{max}: 3,012 mm — ■ 3012

Fixture built to length (not field cuttable): L = (N x 125 mm) + 12 mm; N = 3 ... (as follows); L_{min} = 387 mm; LD15/LD25: N_{max} = 24; L = 3,012 mm; LD40: N_{max} = 16; L_m = 2,012 mm; With integrated driver the minimum length increases to 762 mm; with driver and controller to 1,012 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

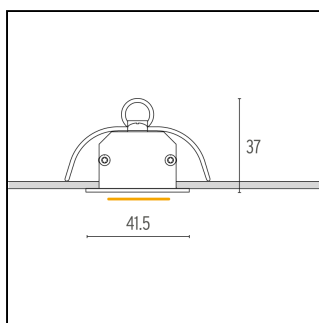
Description

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 Opal	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 Opal	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.