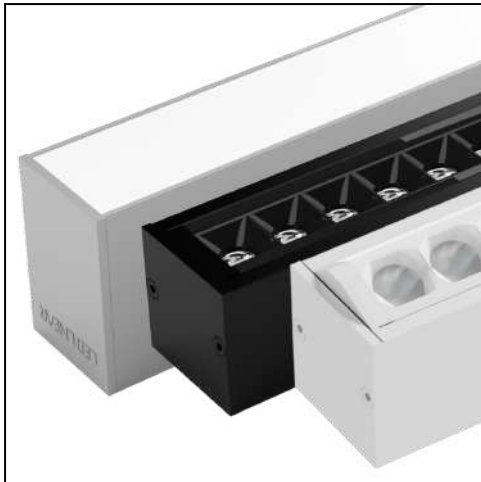


MARS ARCHITECTURAL Surface 62 SW NANO

Area: **Indoor Luminaires**
 Category: **General lighting & task lighting**
 Mounting: **Surface-mounted, horizontal**

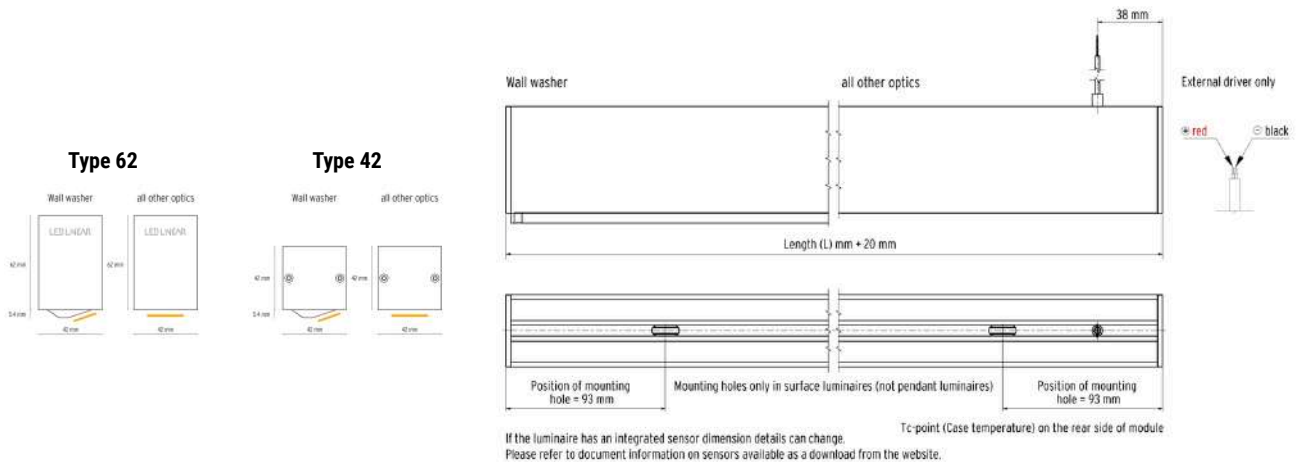


Timeless design luminaire for general lighting with a very wide variety of options.

- 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 symmetrical beam angles plus a wallwasher provide near invisible light due to their antiglare louvers, resulting in an UGR as low as <8 (depending on type). An additional variant with an opal diffuser rounds out the options.
- 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 - the housing type 62 offers both choices whereas the smaller type 42 caters to the choice of an external driver.
- The type 62 also features magnetically fastened end caps to provide a clean finish.

Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS



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

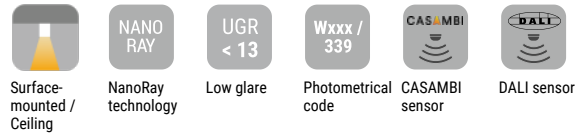
Certifications



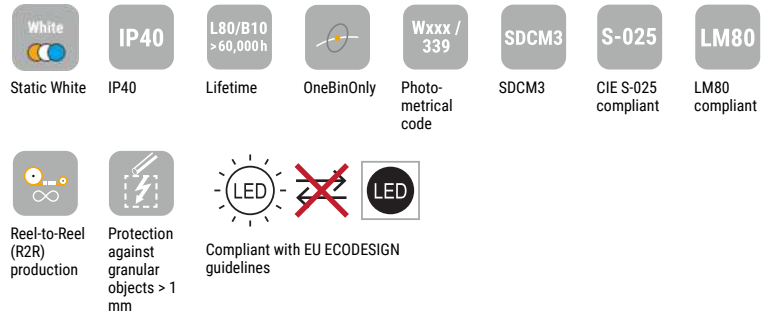
Awards



Family Key Features



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

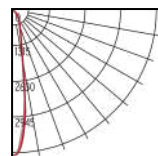
^C The Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

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

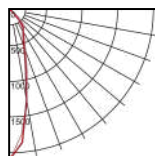
Info: lumen/m with black antiglare ca. 13% reduced

AVAILABLE OPTICS

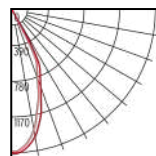
Nano optics



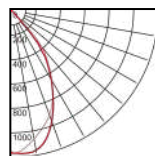
15°



25°

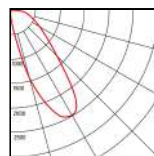


40°



65°

Wall washer



ORDER CODE

TYPICAL APPLICATIONS

Example:

MARS ARCHITECTURAL
 S1562 15 15W927 BBIC

CONFIGURE NOW!

Options for the order code:

Your selections ■ :

Variant

Stand-alone — ■

Driver

Integrated driver — ■ I
 External driver — ■ E

Optics

15° nano optics — ■ 15
 25° nano optics — ■ 25
 40° nano optics — ■ 40
 65° nano optics — ■ 65
 Wall wash with optimal glare control — ■ WW

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
 External driver (220 V) — ■ E
 Canopy with driver (220 V) — ■ C
 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}: 395 mm — ■ 0395



**Options for the order
code:**

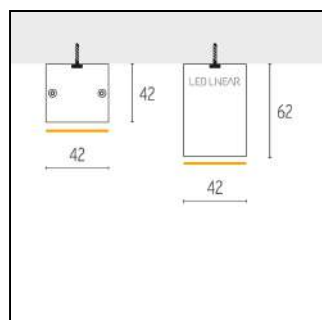
Your selections ■ :

L_{max}: 3,020 mm —→ ■ 3020

Fixture built to length (not field cuttable): $L = (N \times 125 \text{ mm}) + 20 \text{ mm}$; $N = 3$
... (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

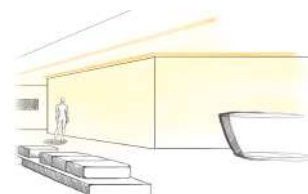
1. Surface-mounted, horizontal



No additional accessories are required for this mounting option

Description

Example of application



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

0.34 mm² / AWG 22

MARS ARCHITECTURAL Surface 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 Surface 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 compatibility (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 compatibility 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.