

MENAKA G2

RAIL SYSTEM DATASHEET | SPECIFICATIONS

Rail System Advantages:

- Continuous luminaire rows
- Easy and quick installation
- Ongoing interconnection
- Connector connection
- Quality optical system
- kvalitní optický systém
- Lighting regulation possibility
- Energy savings



DETAIL



TECHNICAL SPECIFICATIONS

ELECTRICAL PARAMETERS

Light source	» LED
AC voltage	» AC 220–240 V / 50
Connection	» terminal block
Driver	» electronic driver
Possibility of regulation	» non-dimmable (not labeled), DALI (DALI), corridor function (EPS-C) » no module
Emergency module	» integrated emergency module, the autonomy of 1 hrs. (NM1) » integrated emergency module, the autonomy of 3 hrs. (NM3) » high altitude (GH), corridor (C)

LIGHT PARAMETERS

Optical system	» wide beam (C), narrow beam (D), racking aisles (CC)
Light distribution	» direct
Color rendering index	» Ra > 80
Color temperature	» 3 000 K, 4 000 K
Service life	» > 60,000 hrs. (L80B20)

CONSTRUCTION

Housing	» powder-coated steel sheet
Color	» RAL 9003, other RAL (on request)
Surface	» gloss
Cover	» coated sheet, PMMA optics

SAFETY

Protection class	» I
Ambient operating temperature	» +5 / +40 °C
Electrical part protection	» IP 20
Optical part protection	» IP 40
Mounting on normally flammable materials	» YES

MOUNTING

Type	» suspension, surface mounted
Recommended height	» from 3 to 20 m

ACCESSORIES

Clips	» YES
Suspension accessories	» suspension hook; wire suspension and chain (on request)

CHARACTERISTIC

LED luminaire MENAKA is quick-to-mountage continuous-row system to be ideally installed not only in the industrial buildings but also in the interior spaces.

USE

- Industrial areas
- Libraries
- Schools
- Shops
- Warehouses
- Racking aisles



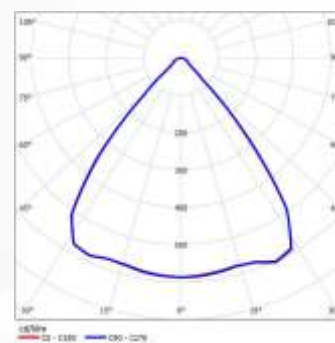
This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

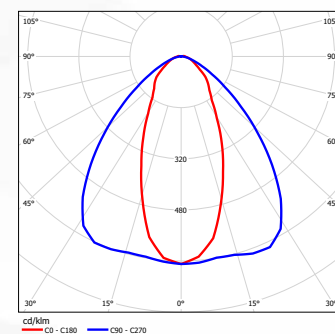
ELEKTRO-LUMEN MENAKA G2 874/2012

LIGHT DISTRIBUTION CURVE

MENAKA G2 5 D 12k1 840



MENAKA G2 5 CC 12k1 840



VARIANTS

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TYPE	POWER	LUMINOUS FLUX	COLOR TEMPERATURE	SERVICE LIFE	WEIGHT
Name	Watt (W)	Lumen (lm)	Kelvin (K)	L80 B20 (hrs.)	Kilogram (kg)
MENAKA G2 2 ... 4k0 840	25	4 000	4 000	> 60 000	2,1
MENAKA G2 3 ... 6k1 840	36	6 100	4 000	> 60 000	2,3
MENAKA G2 3 ... 8k5 840	51	8 500	4 000	> 60 000	2,3
MENAKA G2 4 ... 10k3 840	62	10 300	4 000	> 60 000	2,4
MENAKA G2 4 ... 11k3 840	68	11 300	4 000	> 60 000	2,4
MENAKA G2 5 ... 10k8 840	62	10 800	4 000	> 60 000	2,6
MENAKA G2 5 ... 12k1 840	71	12 100	4 000	> 60 000	2,6
MENAKA G2 5 ... 12k9 840	76	12 900	4 000	> 60 000	2,6
MENAKA G2 5 ... 14k1 840	84	14 100	4 000	> 60 000	2,6
MENAKA G2 double row					
MENAKA G2 8 ... 17k2 840	100	17 200	4 000	> 60 000	4,3
MENAKA G2 8 ... 19k4 840	114	19 400	4 000	> 60 000	4,3
MENAKA G2 10 ... 21k6 840	123	21 600	4 000	> 60 000	4,5
NM (emergency module) MENAKA	6	550	5 000	> 60 000	2,1

LEGEND

MENAKA G2 5 C 11k9 840 DALI

name
number of led modules
narrow beam
luminous flux 11 900 lm
color rendering index Ra > 80, color temperature 4 000 K
dimming DALI (DALI)

Optical and electrical parameters tolerance $\pm 10\%$

TRUNKING RAIL / MOUTHING RAIL

Trunking rail is made of 0,6mm powder-coated steel sheet. Standard color is RAL 9003 or other on order, and we offer two variants in lengths 2,97m or 4,45m. Inside the profile there are placed conductors with connectors for luminaire connectivity and mutual cover strip combinations in executions:

- a) 3 x 1,5mm / 2,5mm
- b) 5 x 1,5mm / 2,5mm
- c) 7 x 1,5mm / 2,5mm

The supply voltage is connected into the screwless terminal block at the beginning of the first trunking rail.

NAME	CONDUCTOR	LENGHT	WEIGHT
Lišta MENAKA II	3 x 1,5 mm ²	2 970 mm	3,70 kg
Lišta MENAKA III	3 x 1,5 mm ²	4 455 mm	5,60 kg
Lišta MENAKA II	5 x 1,5 mm ²	2 970 mm	3,90 kg
Lišta MENAKA III	5 x 1,5 mm ²	4 455 mm	5,80 kg
Lišta MENAKA II	7 x 1,5 mm ²	2 970 mm	4,10 kg
Lišta MENAKA III	7 x 1,5 mm ²	4 455 mm	6,00 kg

Execution possibility with 2,5 mm² cross-section

VARIANTS

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WIRING

3-Conductor

basic single-phase connection - phase conductor, neutral conductor, protective conductor.

5-Conductor

three-phase connection - allows you to create a long luminaire row and also to separate luminaires into three circuits.

7-Conductor

a) three-phase connection + lighting control - allows you to create a long luminaire row and also to separate luminaires into three circuits. Contains two conductors for regulated ballasts control. It's possible to solve the emergency lighting with the DALI regulation.

b) three-phase connection + continuous phase with emergency source (7th conductor is not connected).

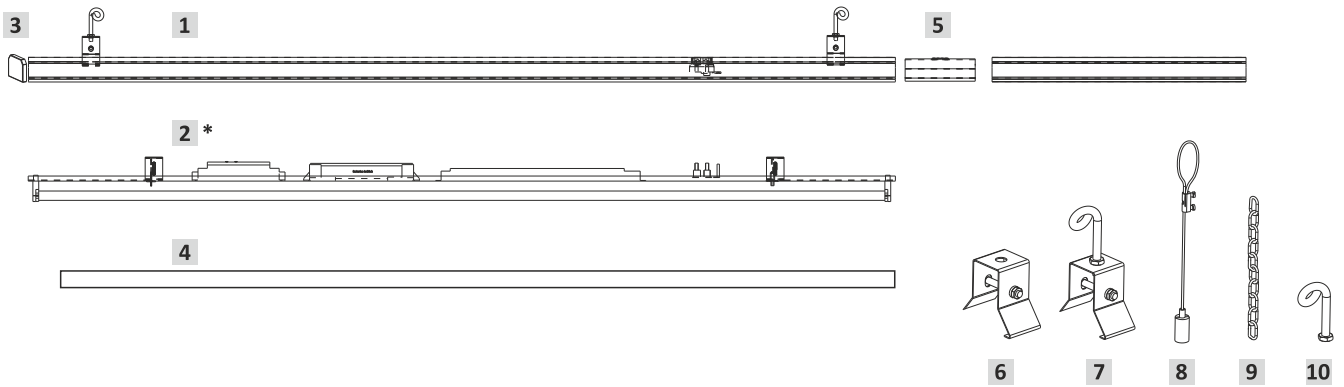


MENAKA

Luminaire contains installation strip made of white powder-coated steel sheet (RAL 9003) with efficient LED modules with optical system, electronic driver and connector. Wiring is placed inside of the trunking rail.

Cover strip installation to the trunking rail doesn't require any tools. The locking levers provide the securing. Emergency module is possible to order on request.

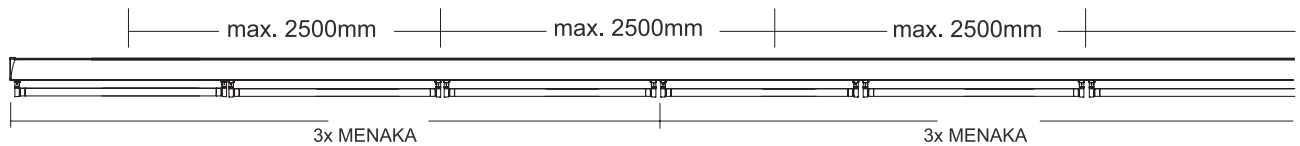
CONSTRUCTION AND MARKING



Rail system consists of trunking rail, luminaires, optical system, cover strips and accessories.

- | | | |
|-------------------------------|--|--------------------------------|
| 1 CARME strip | 5 SL CARME strip conjunction | 9 Nodal chain |
| 2 Luminaire MANEKA | 6 CARME ZZ cable hanger | 10 CARME suspended hook |
| 3 KL CARME ending | 7 CARME ZH cable hanger with hook | |
| 4 CARME LK cover strip | 8 L3 wire cable hanger (3 m) | |

SUSPENSION FIXING POINTS



VARIANTS

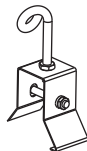
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Mounting rail fixing types.

CARME ZZ
CARME cable hanger



CARME ZH
CARME cable hanger
with hook



CARME ZZ+wire
CARME cable hanger
with wire for suspension

Wire length (adjustable)
max 2m



CARME ZZ+chain
CARME cable hanger
with chain for
suspension

Length (according
to the order)

