

MENAKA 54 G2

RAIL SYSTEM DATASHEET | SPECIFICATIONS



CHARACTERISTIC

MENAKA 54 G2 is a quick-fitting rail ideal for lighting industrial spaces, but also interiors.

USE

- Industrial areas
- storage areas
- shelf aisles



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 54
Optical part protection	» IP 54
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 (on order) » cable suspension (on order) » chains (to order)

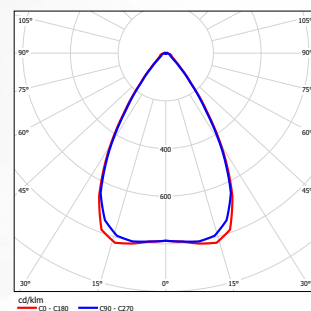
This luminaire contains built-in LED lamps.

The lamps cannot be changed in the luminaire.

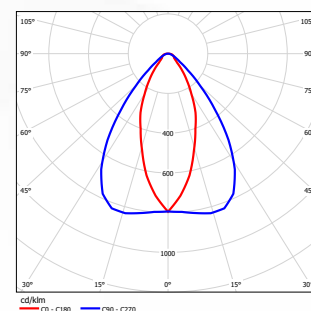
ELEKTRO-LUMEN | MENAKA 54 G2 874/2012

LIGHT DISTRIBUTION CURVE

MENAKA 54 G2 4 C 11k3



MENAKA 54 G2 4 CC 11k3



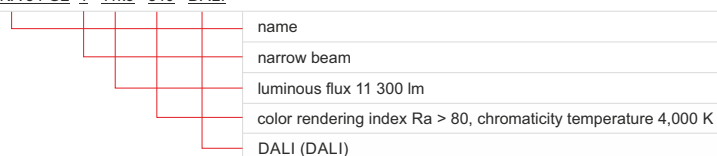
VARIANTS

RAIL SYSTEM DATASHEET | SPECIFICATIONS

TYPE	POWER	LUMINOUS FLUX	COLOR TEMPERATURE	SERVICE LIFE	WEIGHT
NAME	Watt (W)	Lumen (lm)	Kelvin (K)	L80B20 (Std.)	Kilogram (kg)
MENAKA 54 G2 2 ... 4k0 840	25	4 000	4 000	> 60 000	3,0
MENAKA 54 G2 3 ... 6k1 840	36	6 100	4 000	> 60 000	3,0
MENAKA 54 G2 3 ... 8k5 840	51	8 500	4 000	> 60 000	3,0
MENAKA 54 G2 4 ... 10k3 840	62	10 300	4 000	> 60 000	3,0
MENAKA 54 G2 4 ... 11k3 840	68	11 300	4 000	> 60 000	3,0
MENAKA 54 G2 5 ... 10k0 840	62	10 300	4 000	> 60 000	3,0
MENAKA 54 G2 5 ... 12k1 840	71	12 100	4 000	> 60 000	3,0
MENAKA 54 G2 5 ... 12k9 840	76	12 900	4 000	> 60 000	3,0
MENAKA 54 G2 5 ... 14k1 840	84	14 100	4 000	> 60 000	3,0
MN (nouzový modul) MENAKA 54 G2	6	550	5 000	> 60 000	2,1

LEGEND

MENAKA 54 G2 4 11k3 840 DALI



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

TRUNKING RAIL / MOUNTING 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.

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

Execution possibility with 2,5 mm² cross-section.

VARIANTS

RAIL SYSTEM DATASHEET | SPECIFICATIONS

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).

Maximum number of luminaires (drivers) for circuit breaker B and C, U = 230V

10 A		16 A		20 A	
B	C	B	C	B	C
8	14	13	22	16	27

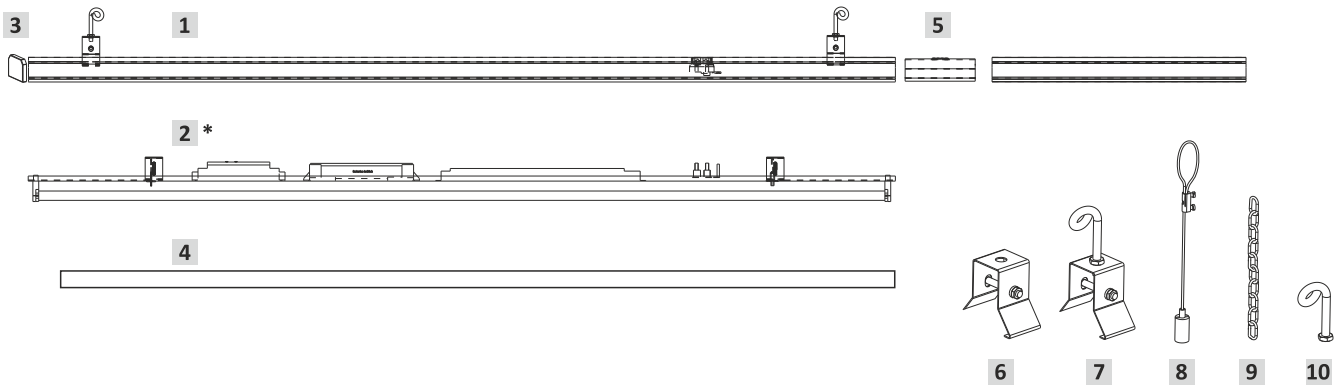


MENAKA

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.

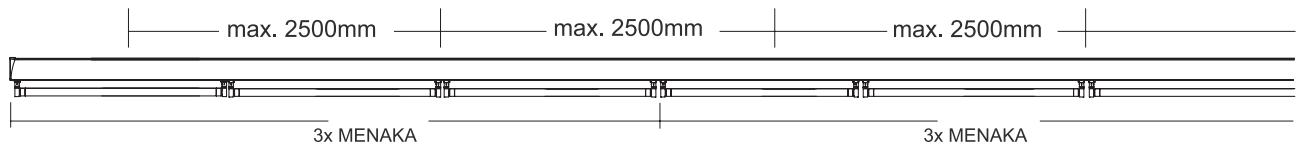
CONSTRUCTION AND MARKING



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

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


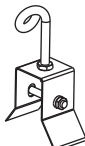

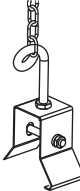
SUSPENSION FIXING POINTS



VARIANTS

RAIL SYSTEM DATASHEET | SPECIFICATIONS

Mounting rail fixing types.

<p>MENAKA ZZ MENAKA cable hanger</p> 	<p>MENAKA ZH MENAKA cable hanger with hook</p> 	<p>MENAKA ZZ + wire MENAKA cable hanger with wire for suspension</p> <p>Wire length (adjustable) max 2m</p> 	<p>MENAKA ZZ + chain MENAKA cable hanger with chain for suspension</p> <p>Length (according to the order)</p> 
---	---	--	--

