

Functional lighting becomes tailor made. 5 parameters can be personalised to make Milos extremely flexible and able to match identity and needs of different spaces.

- **Colours and finishes can be personalised**
- **Colour temperature from 2,200K to 4,000K***
- **Versatile driver programming**
- **System efficacy up to 138lm/W**
- **Photometric distribution suitable for to any environment (more than 100 different solutions)**

*Personalizations are on demand.

MILOS

Design: EMO Design

Designed by the EMO Design firm, Milos encompasses design, visual comfort, performance and energy savings in a single luminaire. Milos has 5 standard optics, along with an adjustable inclination joint that allows post-top mounting and side mounting on an arm, thereby guaranteeing maximum flexibility of use.

Materials

Made of cast aluminium, IP66 protection rating, the screen is made of extra-clear transparent silk screened flat glass, IK09 mechanical resistance.

Finishes

Monochrome version: Superdurable textured RAL 9006 colour.

Bicolour version: RAL 9006 grey colour and RAL 9005 black colour, both Superdurable textured.





‘The urban makeup proposed by industrial design through the serial multiplication of standardised objects, as if it were just any merchandise, has no relationship with the context, nor does it interpret the real needs (and dreams) of its residents. City signs are reproduced endlessly based on a functional logic that excludes the users, first and foremost the residents, from the decision process.’ Claudio Germak

TAILOR MADE FINISHES

Every location tells a story and Milos is the device that is capable of matching the identity and needs of the various settings in which it is installed.

Perfect for streets, motorways, urban centres, car parks, shopping centres, parks, schools and residential areas thanks to its extreme flexibility and high level of aesthetic personalisation, Milos blends perfectly with its surroundings, so much that it becomes an icon thereof.

Neri offers the possibility of requesting RAL painting, single colour or two-tone, different from the standard colour in order to meet the various needs of each urban space.



Top, Superdurable textured RAL 9006. Bottom, RAL 9006 grey colour and RAL 9005 black colour, both Superdurable textured. Grey and bicolour are standard versions.

On the right, a flavour of the endless combinations your creativity can produce.





Performance

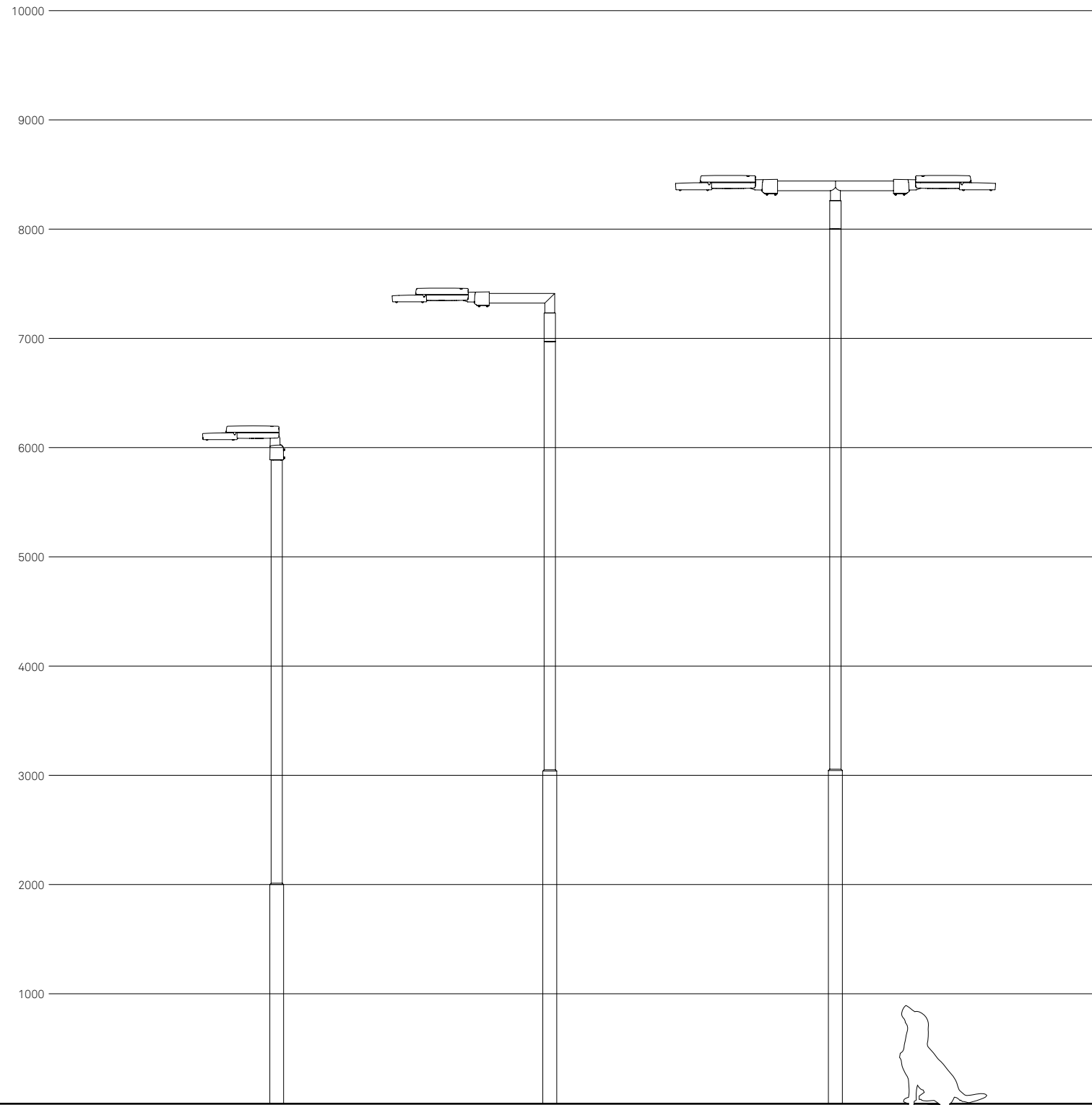
- Electrical insulation: class II
- Enclosure protection: IP66, IK09
- LED optics: multilayer lenses
- From 2,200K to 4,000K*
- High efficiency: up to 138lm/W*
- Reflector for flow recovery and reduced glare
- Surge protection: up to 10kV/10kV*
- Estimated life: 120,000h, L90B10

* On demand.

MILOS

The system is composed of three posts of three different heights – 6m, 7m and 8m – on which the luminaire is flush-mounted, or on a cantilever top.

Scale 1:50
Dimensions in mm





TECHNICAL FEATURES

Fixing

- Code MNMILL-Side or post top mounting on tubes from Ø 46mm to Ø 76mm, external diameter Ø 95mm.
- Code ONMILL-Side and post top mounting on tubes from Ø 46mm to Ø 60mm, external diameter Ø 76mm.

Materials

- Die-cast aluminum
- Extra-clear transparent silk screened flat glass
- Fixing elements in stainless steel
- Internal reflector in PC

Finishes

- Monochrome version: Superdurable textured RAL 9006 colour
- Bicolour version: RAL 9006 grey colour and RAL 9005 black colour, both Superdurable textured

Structure – Main components

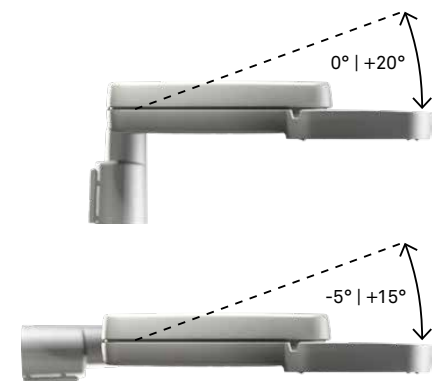
- Upper swinging frame in aluminium to access the auxiliaries compartment.
- Shield in extra-clear tempered glass with impact resistance IK 09 (EN 62262) fixed by angle brackets.
- Integrated heat sink in cast aluminium in continuity with the external frame.
- Osmotic valve to balance internal/external pressure.
- Dedicated space for any surge protection devices or remote control systems.
- Upper frame with possibility to install auxiliary devices (NEMA Socket and Zhaga Book 18).

Electrical auxiliaries

- Electronic power supply with protection against short circuits, overheating and power surges with an estimated B10 duration of 100,000 h.
- Automatic disconnecter when opening.
- Terminal block for wires with max. section of 2.5mm².
- Input power cable with PG16 cable gland (Ø 10-14mm).
- Standard surge protection for differential/common mode 6kV/10kV (CL I, CL II) and 10kV/10kV (CL I, CL II) in presence of additional protections (on demand).

Power supply

- Estimated life (EN 62722-2-1, LM80 data): 120,000h L90B10 (Tq= 25°C)



Bracket with a tilting system from 0° to +20° and from -5° to +15° (5° step).

TECHNICAL FEATURES: LED MODULE

MAIN TECHNICAL DATA



SUPPLY VOLTAGE

220V-240V, 50/60Hz frequency

SURGE PROTECTION

6kV L-N / 10kV L/N-frame

POWER SUPPLY

Programmable Electronic

POWER FACTOR CORRECTION

PFC > cos φ 0.9

ELECTRICAL INSULATION

Class II, Class I

ENCLOSURE PROTECTION

Water and dust IP66

Mechanical impacts IK09

PLANNING INFORMATION

For information related to the combinations between flux size options, power and colour temperature see the web site

Neri SpA reserves the right to modify its products and documentation without obligation to give prior warning

SCREEN TYPE

EXTRA-CLEAR TRANSPARENT FLAT GLASS – Full Cutoff

OPTICAL DISTRIBUTIONS

TYPE II

TYPE III

TYPE IV

TYPE V

COLOUR TEMPERATURE

3,000K

4,000K

FLUX SIZE OPTIONS

2,500lm

3,500lm

4,500lm

6,000lm

7,500lm

9,000lm

10,500lm

DRIVER FUNCTIONS

1-10V + NCL

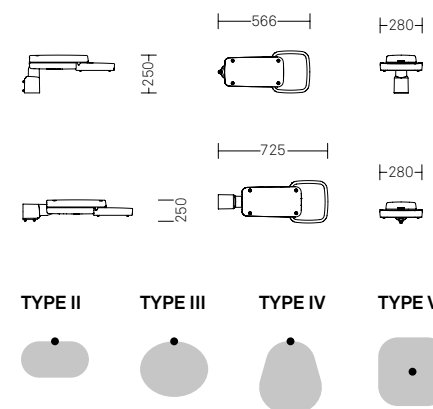
DALI + NCL

PRESENCE DETECTOR

NVL + NCL

ELECTRICAL FEATURES

AUTOMATIC DISCONNECTOR



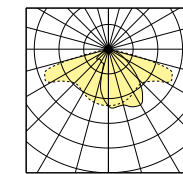
OPTICAL CONFIGURATIONS



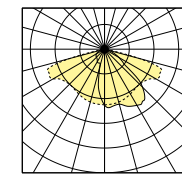
Milos has 5 optical geometries distributed on three different screens. The available distributions are symmetrical and asymmetrical, types: II, III, IV, V; the luminous flux ranges from 2,500 to 10,500 lm.

TRANSPARENT FLAT GLASS

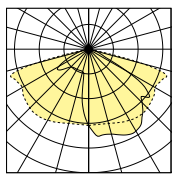
TYPE II - A



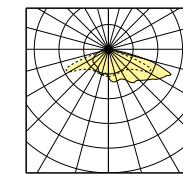
TYPE III - A



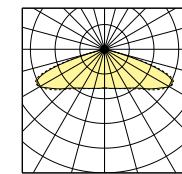
TYPE III - D



TYPE IV - A



TYPE V - A



HIGHLIGHTS

Main features

- Particularly suited for roads and lanes with mixed traffic, essentially vehicular
- Designed in full compliance with the lighting standards, with minimal energy consumption, using LEDs and high performance optical solutions
- Designed to reduce glare, without compromising the lighting effectiveness

Flux sizes

- The main factors in lighting design are system flux and photometry
- Neri presents products with their flux sizes and photometries, to ensure values and geometries remain constant over time

This approach allows:

- Same flux regardless of the solution chosen
- Adoption of the best technology on the market

Multilayer

Milos adopts a technology with multilayer lenses:

- Each LED is associated with a lens
- All lenses are equal and cover the entire area to be illuminated; in case of failure of a single source, there is no loss in the uniformity of illumination on the ground

Light emitting area

The glaring effect, typical of the individual point sources, is drastically reduced due to some technical devices:

- White color PCB
- Perimeter reflector
- Large light emitting area



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