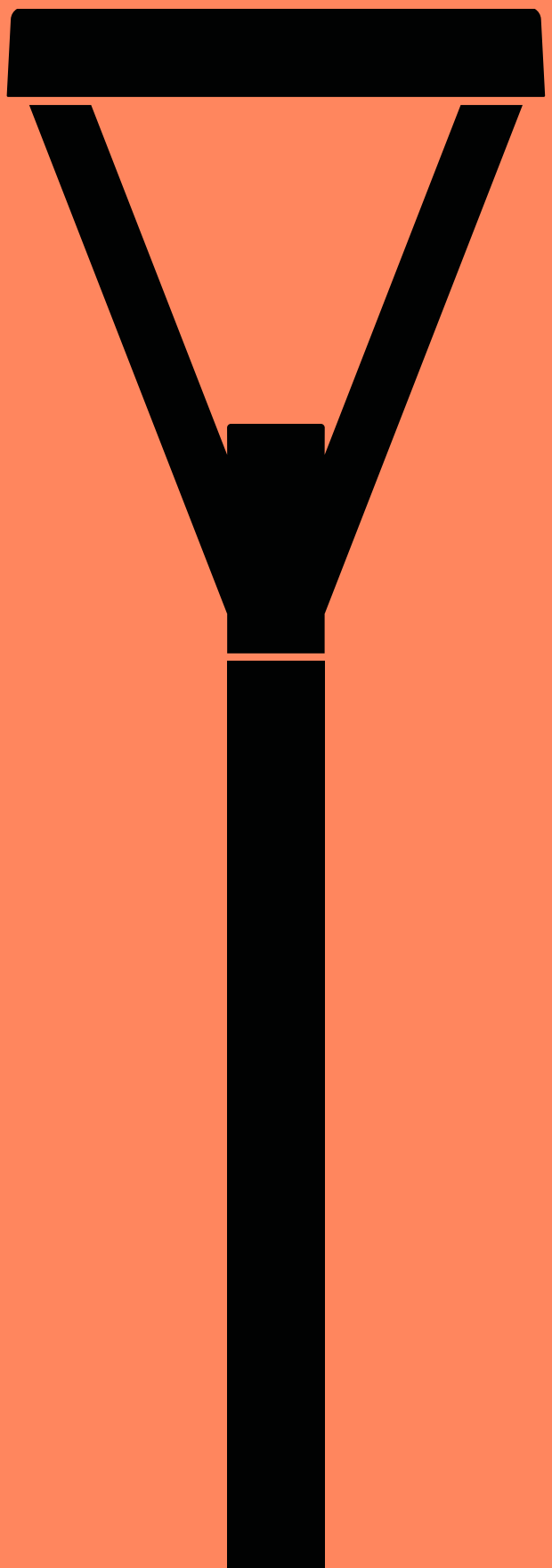
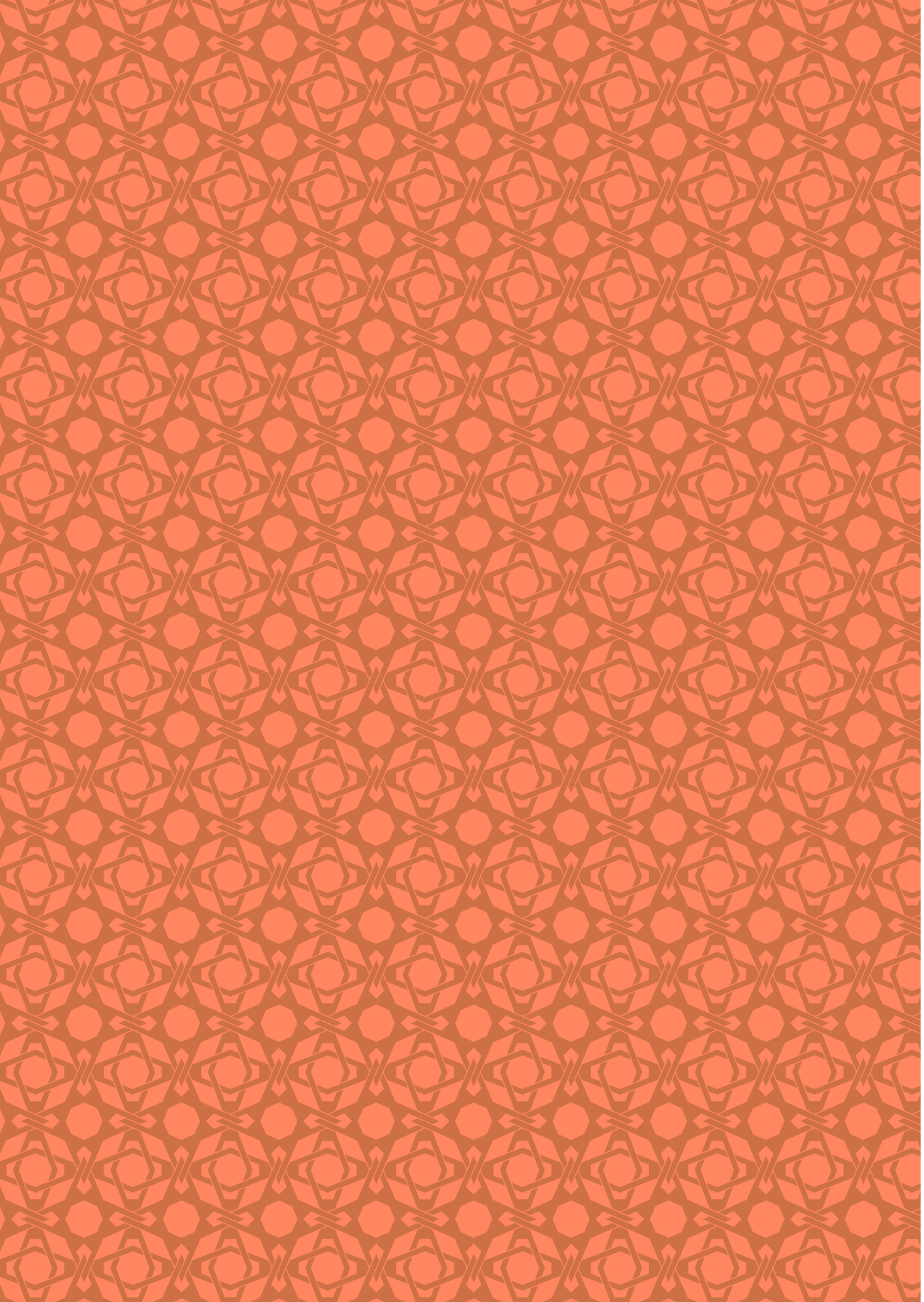
NERI

Lyra





Characterised by contemporary architectural post top design with clean and geometric lines, with its five different distributions, a choice of three glasses as screens and lumen packages up to 7,500 lumens, Lyra optically meets demands of today’s lighting designers, architects and engineers.

LYRA

Design: Neri

Lyra can by installed on top of posts on connection points with a diameter Ø 60mm and can be flush mounted on poles with a diameter of Ø 76mm.

Materials
The luminaire is made of die-cast aluminium and sheet steel with a choice of transparent, prismatic or opal glass. The posts, meanwhile, are made of hot-dip galvanised steel.

Finishes
The standard colour is “Neri Grey”: obtained through a chromatic formula, it is the result of extensive aesthetic research. The posts are painted using a highly-ecological water-based process.

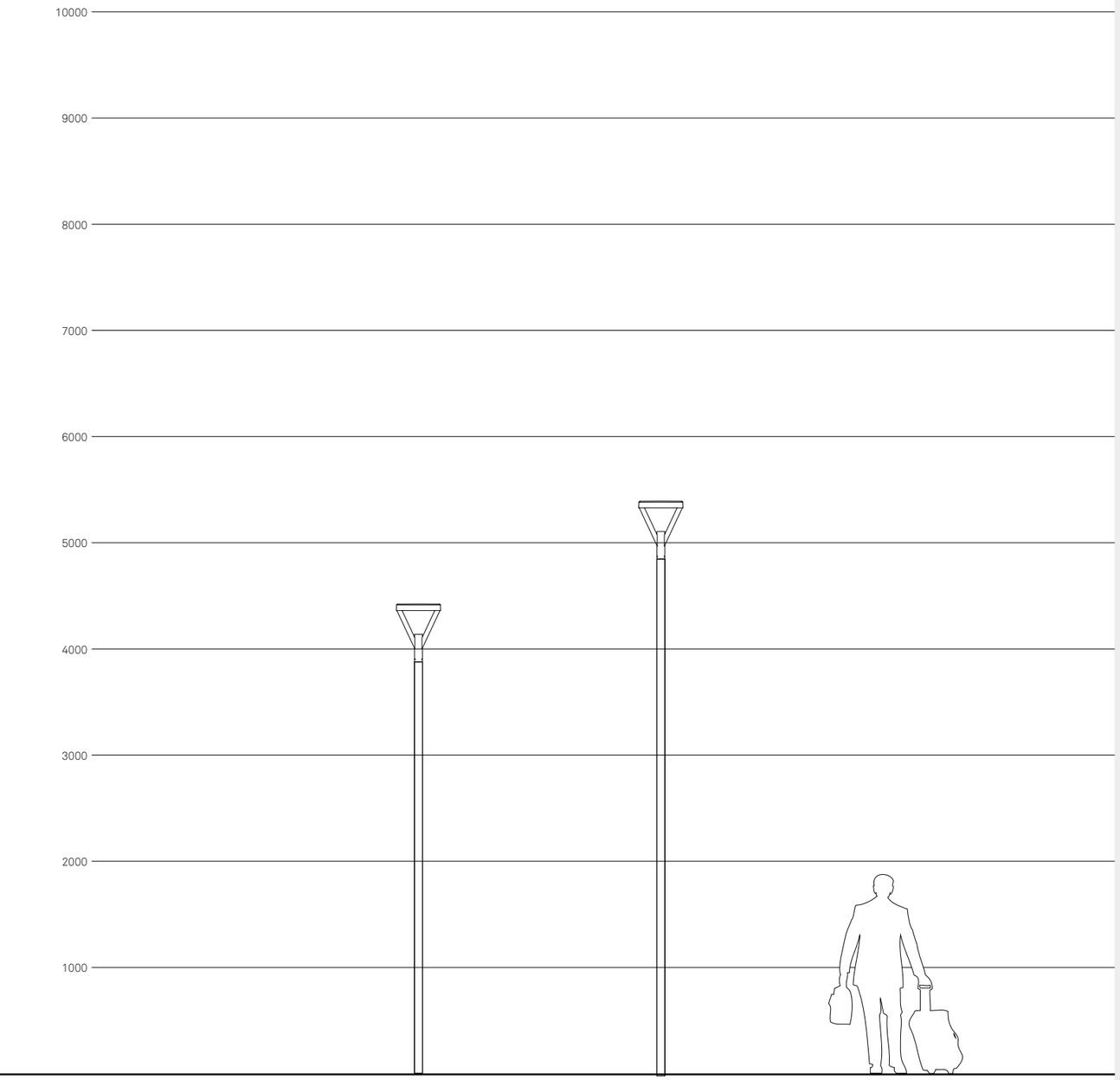
Luminaire main features

- LED optics: multilayer lenses
- CCT: 2,200K, 2,700K, 3,000K and 4,000K
- Surge protection: up to 10kV/10kV
- Luminous flux up to 7,500lm
- Electrical insulation: class II, class I
- Enclousure protection: IP66, IK09
- Optical package consists of 5 geometries
- Estimated life: 120,000 h L90B10
- Supplied with cable
- Zhaga connector ready

LYRA

The system is composed of two posts of two different heights – 4m and 5m – on which the luminaire is flush-mounted.

Scale 1:50
Dimensions in mm



TECHNICAL FEATURES

Fixing
- Used on connection points Ø 60mm. Flush frame with an external diameter of Ø 76mm.

Materials
- Die-cast aluminium, sheet steel.
- PMMA lenses.
- Prismatic glass.
- Transparent glass.
- Opal-white glass.

Finishes
- Standard Neri Grey colour.

Main components
- Upper cylindrical frame in die-cast aluminium.
- Fork frame in welded sheet steel.
- Silicone gasket between upper and lower frame.
- Screen in silk-screened, prismatic or opal-white transparent flat glass.
- Upper frame that can be opened with screws to access the auxiliary compartment.

Electrical auxiliaries
- Programmable electronic power supply with self-diagnostic functions.
- Terminal for 2.5mm² gauge cables
- Cable grommet
- Protection from short-circuiting, overheating and differential/common surges up to 6kV/10kV (CL I, CL II) and with additional 10kV/10kV (CL I, CL II) protection (on request).
- Zhaga connector ready

Power supply
- Lifespan (EN 62722-2-1, LM80 data): 120,000h L90B10 (Tq= 25°C).

TECHNICAL FEATURES:
LED MODULE

MAIN TECHNICAL DATA

SUPPLY VOLTAGE
220V-240V, 50/60Hz frequency

SURGE PROTECTION
Standard surge protection for differential/common mode 6kV/10kV and10kV/10kV in presence of additional protections (on demand).

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 INFORMATIONS
For information related to the combinations between flux size options, power and colour temperature see the web site
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Neri SpA reserves the right to modify its products and documentation without obligation to give prior warning

SCREEN SHAPE
PRISMATIC FLAT GLASS – Cutoff
TRANSPARENT FLAT GLASS – Cutoff
OPAL-WHITE FLAT GLASS – Cutoff

OPTIC SYSTEM
TYPE I *
TYPE III *
TYPE IV *
TYPE V

COLOUR TEMPERATURE
2,200K
2,700K
3,000K
4,000K

FLUX SIZE OPTIONS
1.500lm
2.500lm
3.500lm
4.500lm
6.000lm*
7.500lm**

DRIVER FUNCTIONS
1-10V + NCL
DALI + NCL
NVL6H + NCL
AMPDIM + NCL

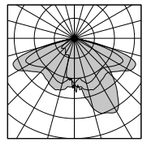
* Not available with opal-white glass
** Not available with prismatic glass and opal-white glass; CCT 2,200K and 2,700K

OPTICAL CONFIGURATIONS

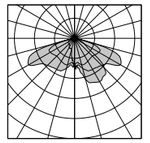
Lyra has 5 optical geometries distributed on three different screens. The available distributions are symmetrical and asymmetrical, types: II, III, IV, V; the luminous flux ranges from 1,500 to 7,500 lm.

TRANSPARENT FLAT GLASS

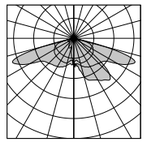
TYPE II – NLG 20



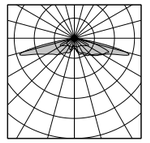
TYPE II – NLG 21



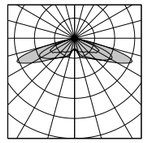
TYPE III – NLG 22



TYPE IV – NLG 24

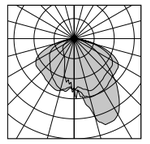


TYPE V – NLG 30

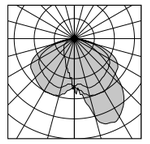


PRISMATIC FLAT GLASS

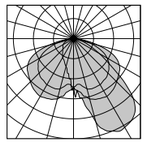
TYPE II – NLG 20



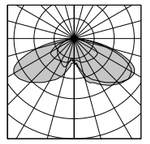
TYPE II – NLG 21



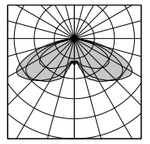
TYPE III – NLG 22



TYPE IV – NLG 24

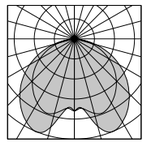


TYPE V – NLG 30



OPAL-WHITE FLAT GLASS

TYPE V – NLG 30



HIGHLIGHTS

Main features
- Lyra is a ‘Performance' category luminaire.
- 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 solution chosen.
- Adoption of best technology on the market.

Multilayer
Lyra 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:
- Prismatic flat glass
- Screen printing on flat transparent glass
- Large light emitting area

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