

COSTRUITO

ACQUARIO ROMANO

MDCCLXXXV

NEOS 1 | 2



Schröder Group GIE



Design: Michel Tortel

## CHARACTERISTICS – FLOODLIGHT

Tightness level:		IP 66 (*)
Impact resistance (glass):		IK 08 (**)
Nominal voltage:		230 V
Electrical class:		II (*)
Weight:	Neos 1:	3,4 kg
	Neos 2:	8,0 kg

(\*) according to IEC - EN 60598

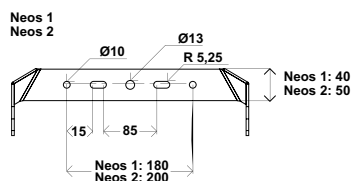
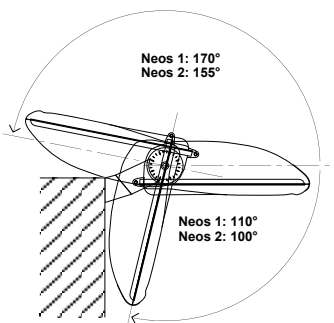
(\*\*) according to IEC - EN 62262

## ADVANTAGES

- Two sizes
- Numerous symmetrical light distributions
- Static (monochromatic) or dynamic (RGB) versions (RGB or + 1 colour)
- Tightness: IP 66
- Robust mechanical design: aluminium and glass

## OPTIONS

- Painted power supply box, all RAL colours



## DESCRIPTION

The Neos floodlight range incorporates LED technology. A range of high-tightness floodlights (IP 66), they are available in 2 sizes: Neos 1 is equipped with 30 LEDs and Neos 2 with 80 LEDs.

This range is offered in a static monochromatic version:

- Neos 1: 30 LEDs of 1.2W in warm white, cold white, neutral white, red, green, blue or amber;
- Neos 2: 80 LEDs of 1.2W in warm white, cold white, neutral white, red, green, blue or amber;

or in a dynamic version:

- Neos 1: 10 LEDs of 1.2W in red, 10 in green and 10 in blue
- Neos 2: 20 LEDs of 1.2W in red, 20 in green, 20 in blue and 20 in amber or white.

Numerous light distributions are available for each of these configurations.

This floodlight is particularly suited to the architectural illumination of facades or any architectural component. The floodlight is composed of a painted housing made of cast aluminium alloy. The housing contains the optical compartment and acts as a heat dissipater.

A tempered glass protector is sealed onto the cover.

The power supply is integrated in a small polycarbonate box mounted behind the floodlight.

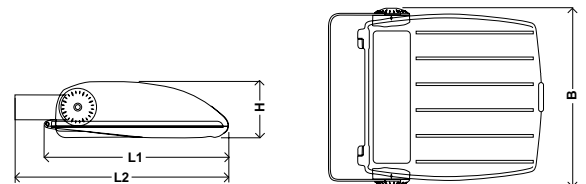
The floodlight is attached by a painted steel mounting bracket that allows the precise adjustment of position on site.

Coating: polyester powder

Colour: RAL 7035

Painting in all RAL colours on request

## DIMENSIONS – MOUNTINGS



	H	L1	L2	B
Neos 1	100 mm	325 mm	360 mm	320 mm
Neos 2	140 mm	390 mm	441 mm	398 mm

## A RANGE THAT COMBINES ELEGANCE AND ROBUSTNESS

Just like the Neos floodlights that are equipped with traditional sources, the Neos 1 and 2 with LEDs have a refined profile and a harmonious design that blends in perfectly with all types of environments.

Aluminium and glass, the materials chosen for the floodlights, combine robustness, efficiency and elegance. These materials were also chosen for their sustainable and recyclable characteristics.

## STATIC AND DYNAMIC VERSIONS

The Neos floodlight range is available in two versions:

- the static version offers a monochromatic light. The LEDs are white (cold, neutral or warm), red, green, blue or amber. The LEDs may be fitted with 4 types of lenses depending on the light distribution desired: extra narrow beam, narrow beam, medium beam or wide beam.
- the dynamic version allows for chromatic variations and intensity variations that can be controlled by the DMX protocol. While Neos 1 offers a LED RGB composition, Neos 2 allows the addition of one colour (white or amber) to the red, green or blue. The dynamic version offers numerous light distributions: extra narrow beam, narrow beam, medium beam or wide beam.

## MAINTENANCE FREE

A mounting bracket makes it possible to adjust the Neos floodlight. It can be attached to any type of support.

Delivered pre-cabled (static version: power supply cable; dynamic version: power supply cable and DMX signal cable), the Neos floodlight does not need to be opened during installation.

Given the intrinsic qualities of LEDs and the high tightness level of the Neos range, no maintenance is necessary during the whole lifetime of the floodlight.



## LIGHT SOURCES

High-power LEDs	Static	Dynamic
Type	Cree XR-E	Cree XR-E
Power	1.2 W	1.2 W
Number of LEDs		
Neos 1	30	30
Neos 2	80	80
Colour		
Neos 1	White / Red / Green / Blue / Amber	RGB
Neos 2	White / Red / Green / Blue / Amber	RGB + Amber / RGB + White
Colour temperature white LEDs		
	Cold 6000 K	
	Neutral 4500 K	
	Warm 3500 K	
Luminous efficacy <sup>(*)</sup>		

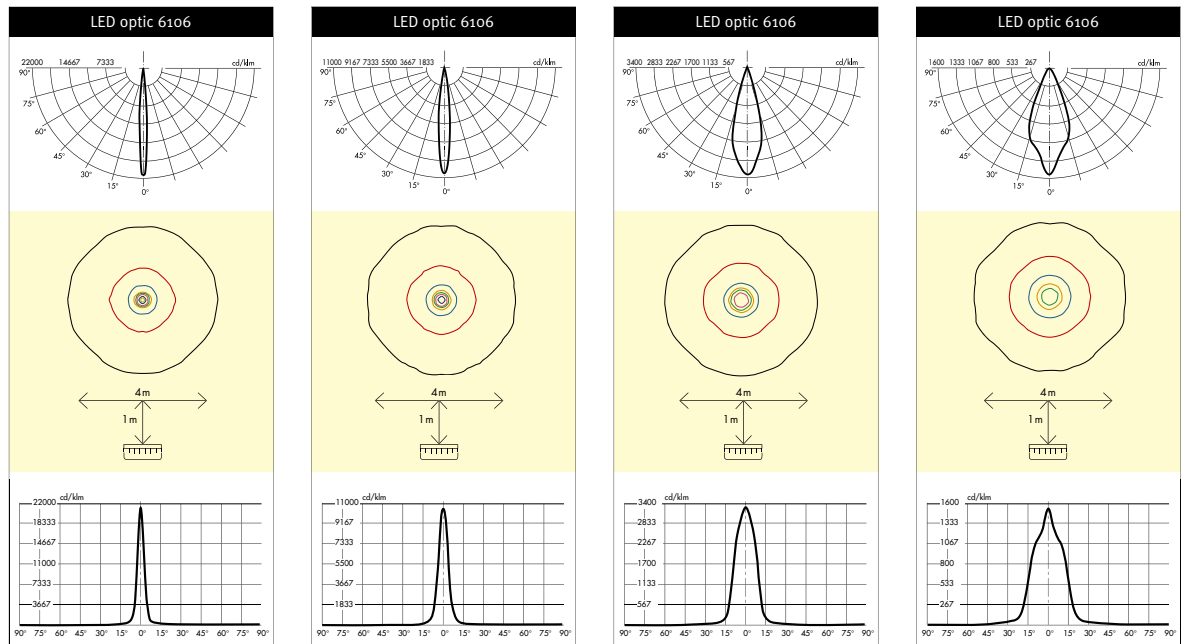
(\*) The type of LED used may be changed in accordance with the continuous and rapid developments in LED technology. To follow the progress of the luminous efficacy of the LEDs used in the Neos floodlights, please visit our web site.

## NEOS 1

## LIGHT DISTRIBUTION

STATIC MONOCHROMATIC  
OR DYNAMIC RGB  
VERSIONS

- Extra narrow beam angle: 8°  
To create concentrated, sharp accents of light
- Narrow beam angle: 12°  
To create distinct and precise luminous accents
- Medium beam angle: 29°  
To create a moderately diffuse lighting effect
- Wide beam angle: 46°  
To create a diffuse lighting ambiance



• 1 / • 10 / • 100 / • 500 / • 1000 / • 2000 / • 10000 / • 20000 lux

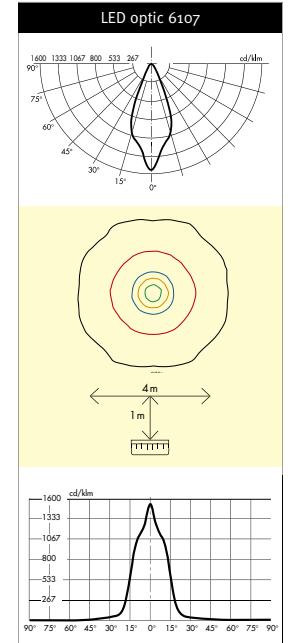
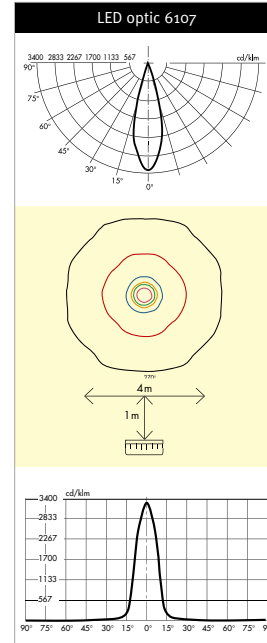
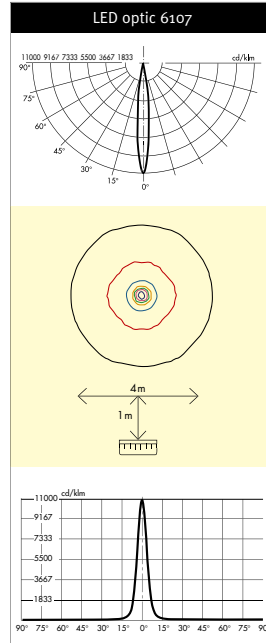
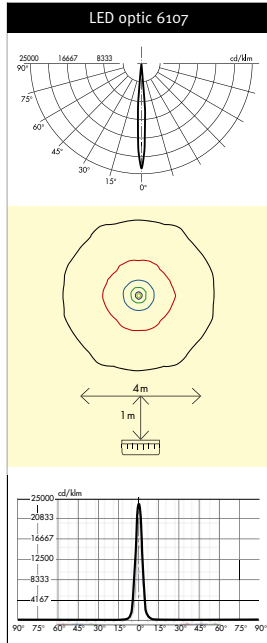
(\*) Photometric data in cold white (6000 K). Please contact us for additional configurations.

# NEOS 2

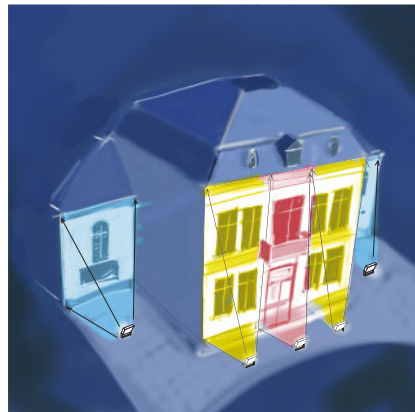
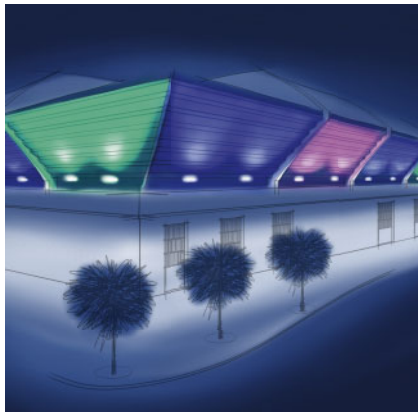
# LIGHT DISTRIBUTION

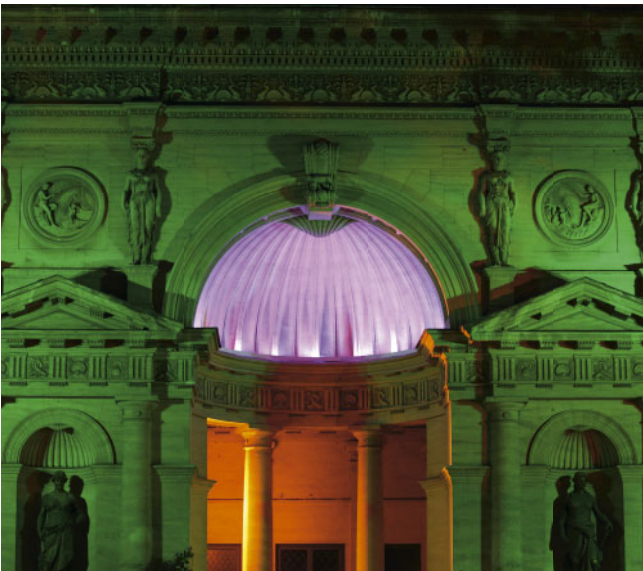
STATIC MONOCHROMATIC  
VERSION OR DYNAMIC RGB  
(OR + 1 COLOUR)

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To create concentrated, sharp accents of light
- Narrow beam angle: 12°  
To create distinct and precise luminous accents
- Medium beam angle: 29°  
To create a moderately diffuse lighting effect
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# LED LIGHTING

by Schröder

