



# 4 - 12M

SINGLE BRACKET (SMALL MODEL) NEOS 1-2-3



#### SINGLE BRACKET (LARGE MODEL) NEOS 2-3



### DOUBLE BRACKET (SMALL MODEL) NEOS 1-2-3



DOUBLE BRACKET (LARGE MODEL) NEOS 2-3



## LUMINAIRES COMBINING AESTHETICS AND EFFICACY

Due to its flexibility of mounting, the Neos range allows a total versatility of association with a lot of poles and brackets.

For instance, the Tekton ensemble created by the designer Michel Tortel was specifically developed for the floodlights of the Neos LED range (Neos 1, Neos 2 and Neos 3 models).

This bracket, made of galvanised and thermo-coated steel, is available in several versions and in two sizes. It is designed for mounting at the top of a lighting column or on a wall. For the lighting column version, the bracket can be either single or double.

To put the finishing touches on the overall appearance, each bracket is fitted with a specially designed fork on which the floodlight is attached.

Whatever the type of configuration, the Tekton ensemble gives a clear-cut impression of lightness which perfectly matches the sober and refined lines of the Neos range.

The Tekton ensemble is ideally suited for lighting public squares, major urban thoroughfares or car parks.

Colour: AKZO grey 900 sanded Other colours on request A number of lighting column heights is available

WALL BRACKET NEOS 2-3







Design: Michel Tortel

# CHARACTERISTICS - LUMINAIRE

Tightness level:		IP 66 (*)			
Impact resistance (gl	ass):	IK o8 (**)			
Aerodynamic resistance (CxS):					
	- Neos LED 1	0,024 m²			
	Noos I ED a	$0.047 m^{2}$			

	- NEUS LLD 2	0,047 111
	- Neos LED 3	0,062 m²
Nominal voltage:		230 V - 50 Hz
Electrical class:		l or    <sup>(*)</sup>
Weight (empty):	- Neos LED 1	1,8 kg
	- Neos LED 2	5,0 kg
	- Neos LED 3	8,0 kg

(\*) according to IEC - EN 60598

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

### KEY ADVANTAGES

- Quality recyclable materials
- IP 66 tightness level
- LensoFlex<sup>®</sup>2 photometric engine with photometry adapted to various applications
- White light available in neutral white, with options for, warm white to create ambiance or cool white to maximize effectiveness
- Reduced maintenance
- Adjustable inclination on-site
- FutureProof: easy replacement of the photometric engine and electronic assembly on-site
- Designed to incorporate Owlet range of control solutions
- Surge protection 10 kV

### MOUNTING





### DESCRIPTION

The Neos LED luminaires are available in three sizes: Neos 1 with 16 or 24 LEDs, Neos 2 with 32 or 48 LEDs and Neos 3 with 64 LEDs.

The Neos LED range combines the energy efficiency of LED technology with the photometric performance of the LensoFlex®2 concept developped by Schréder. The Neos LED luminaires are composed of a two-piece housing made of painted die-cast aluminium. The glass protector is sealed onto the cover. Mounting by means of a fork enables the inclination to be adjusted precisely on-site.

Colour: AKZO 900 grey sanded Other colours on request

### OPTIONS

- Louvres
- Protection grid
- Structured glass protector
- Anti-vandalism locking system
- Sottogronda bracket, for mounting on a façade
- Photoeletric cell
- Autonomous dimming system
- OWLET remote management system

# ${\tt DIMENSIONS}$

	Н	Lı	L2	В
Neos LED 1	100 mm	325 mm	360 mm	320 mm
Neos LED 2	140 mm	390 mm	441 mm	398 mm
Neos LED 3	160 mm	520 mm	600 mm	500 mm



for mounting on a façade. The slots facilitate handling during installation (prior to munting with 4 M8 screws).

# NEOS LED 🐔 LED LIGHTING

# THREE SIZES FOR ALL APPLICATIONS

The three sizes of the Neos LED luminaires and its photometric versatility make it perfectly suited to multiple outdoor lighting applications: road and urban, ambiance (squares, parks, pedestrian areas...), or functional (car parks, shopping centres, underpasses, industrial areas etc.).

### LENSOFLEX<sup>®</sup>2

Neos LED luminaires are developed with the LensoFlex<sup>®</sup>2 concept that is based upon the addition principle of photometric distribution. Each LED is associated with a specific lens that generates the complete photometric distribution of the luminaire.

Schréder has developed a range of lenses that cover a wide range of photometric solutions.

### ENERGY SAVINGS UP TO 75%

The Neos LED luminaires integrate the latest cutting edge solutions. The combination of LED technology, a driver working within a constant flux system and a dimming system makes it possible to achieve energy savings of up to 75% compared with luminaires equipped with traditional light sources. With this very favourable energy balance, the Neos LED luminaires contribute to the effective management of public finances and to the responsible use of energy.

### FUTUREPROOF

Neos LED luminaires have been designed to fulfil the FutureProof concept. Both the photometric engine and the electrical power supply can be replaced to take advantage of any future technological developments.











# PHOTOMETRY

	Neos LED Lenson	ex-2					Lifetime residual flux @ t <sub>q</sub>
		Neos	LED 1	Neos	LED 2	Neos LED 3	@100.000h
Number of LEDs	Neutral white (4000K)	16 LEDs	24 LEDs	32 LEDs	48 LEDs	64 LEDs	@100100001
Current: 250 mA	Nominal flux (lm)*	2400	3600	4800	7200	9600	90 %
current. 350 mA	Power consumption (W)	18	27	36	53	71	
Current: 500 mA	Nominal flux (lm)*	3100	4700	6300	9500	12600	
	Power consumption (W)	26	38	51	75	103	
<sup>(*)</sup> The nominal flux is an in	ndicative LED flux @ t <sub>i</sub> 25°C based on LED manul	facturer's data. The re	al flux outpu	it of the lum	inaire depe	ends on enviror	imental
(*) The nominal flux is an in conditions (e.g. tempera accordance with the con our website. (**) In accordance with IE	ndicative LED flux @ t¦ 25°C based on LED manuf ture and pollution) and the optical efficiency of tinuous and rapid developments in LED techno ES LM-80 - TM-21.	facturer's data. The re Fluminaire. Nominal f logy. To follow the pro	al flux outpu lux depends ogress of the	ut of the lum on the type luminous e	inaire depe of LED in u fficiency of	ends on enviror ise and likely to the LEDs used	imental o change in please visit
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# LIGHT DISTRIBUTIONS



For M3 class according to CIE 115



### OWLET SOLUTIONS TO MAXIMISE SAVINGS

With Schréder's wide range of Owlet control solutions, your lighting scheme becomes intelligent. Our system approach allows you to use light in the smartest way, with the right level, in the right place and at the right moment.

You save energy, lengthen the life of your lighting installation, reduce maintenance costs, enhance comfort and increase safety. Our range of solutions encompasses small areas to complete city networks in order to perfectly suit your requests and your targets in terms of savings.

The Neos LED luminaires can operate with a photocell, a scheduled dimming system, a Constant Light Output (CLO) or a complete remote Owlet management system. It can also be equipped with a motion detection unit.



### FLEXIBLE SCHEDULED DIMMING

With intelligent ballasts incorporated in the Neos LED luminaire, we can help you to choose your own optimum dimming system.

The 5-level dimming programme ensures that you can adapt the lighting level to the needs of the place and the time. Intelligent ballasts work autonomously by taking switch-on and switch-off times as reference points. This means that the system will adapt itself all through the year according to the seasons and the sunset/ sunrise.



















SOLUTIONS

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