

LED solutions for an optimised return on investment

Description

LED SOLUTIONS FOR AN OPTIMISED RETURN ON INVESTMENT

- ▶ Pole height: 4m - 12m
- ▶ Cost-effective and efficient lighting solution for a fast return on investment
- ▶ LensoFlex®2 photometric engine with photometry adapted to various applications
- ▶ 3 sizes for flexibility
- ▶ IP 66 tightness level
- ▶ Energy savings of up to 75% compared with traditional light sources
- ▶ Mounting with two separated parts for easy installation and set-up (inclination angle)
- ▶ Designed to incorporate Owllet control and sensor solutions

Presentation of the selected product

CONCEPT

Family of 3 road LED luminaires: Mini, Midi, Maxi

Applications: Urban road, Square and park, Roundabout, Road and highway, Residential road, Park, Large area, Car park, Bridge, Bike path

Dimensions (mm):

- Width: 436
- Height: 132
- Length: 674

Weight (kg): 11,5

Recommended height installation: between 4m and 12m

For optimal heat dissipation, the driver and LED engine are in separate compartments and juxtaposed in a horizontal section

Independent optical compartment on spigot ensures easy installation

HOUSING & FINISH

- Housing in high-pressure, die-cast aluminium, polyester powder coated
- Direct and tool free access to housing with driver compartment and optical unit by releasing the lateral latches and pivoting downwards. Quick connectors (knife switch) allow easy removal of the housing.
- Colour: AKZO grey 900 sanded
- Luminaire Cd.S (drag): 0.078m²; Cs.S (side): 0.036m²; Cl.S (lift): 0.115m²
- Tightness - driver & optical: IP 66
- Impact resistance: IK 09

INSTALLATION

- Reversible fixation in high-pressure, die-cast aluminium
- Diameter 32-48, 48-60mm or 76mm, tightened with 2 stainless steel screws
- Allows tilt on a vertical pole from 0 to +15°; on a horizontal spigot from 0 to -15° by 5° steps
- Tool free access for maintenance

OPTICAL UNIT

- "FutureProof" optical unit, replaceable on-site, enclosed in the housing with a removable gasket - Shore50
- Protected against lens degradation with a 5mm thick extra-clear hardened glass
- Flatbed PCB with acrylic lens overlay principle
- Various photometric distributions: from narrow road to motorway, medium and large area
- CRI > 70
- ULR: 0%

LED lumen depreciation

- Lifetime residual flux @ T_q=25°C @ 100.000 hrs: 350mA & 500mA: 90%; 700mA: 80%

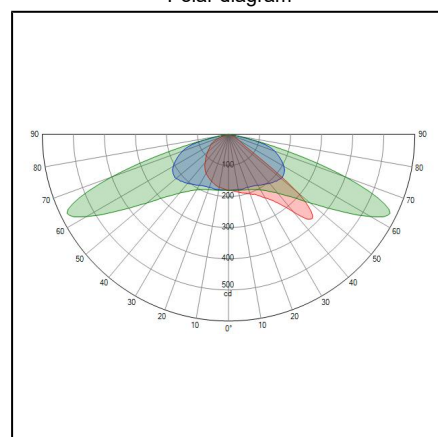
ELECTRICAL

- Class I or Class II
- Input voltage: 120-277V - 50-60Hz
- Power factor > 90% at full load
- 10kV, 10kA surge protection
- Power automatically switches off when opened
- Thermal protection on LED PCBA

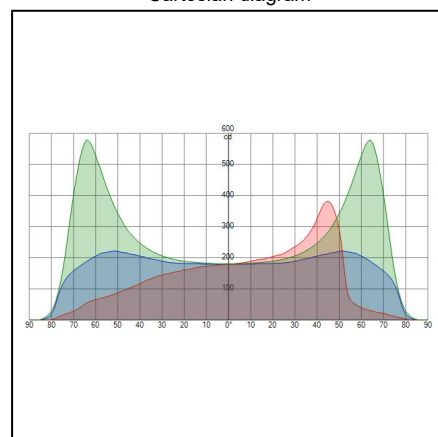
STANDARDS & CERTIFICATIONS



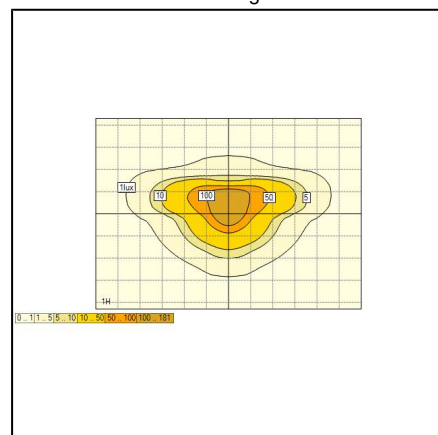
Polar diagram



Cartesian diagram



Isolux diagram



- ENEC
- LM79-80
- ETL
- ROHS
- All measurements in ISO17025 accredited laboratory

OPTIONS

- Other RAL or AKZO colours
- Other light distributions
- Back light control
- CW or WW LEDs
- OWLET remote management
- Custom dimming profile; Constant Lumen Output (CLO); Bi-Power
- Photocell
- Motion detection

AMPERA MIDI – YOUR OPTICAL UNIT CONFIGURATION:

- Optic: 5139 Matrix: 403252
- Protector: [Glass Extra Clear, Flat, Smooth]
- Source: 48 LEDs 350mA WW
- Power (W): 52
- Tightness optical unit: IP 66
- Specifications may differ per country and be changed without notice due to continuous R&D on our products. (*) Tolerance of 7% on flux data.



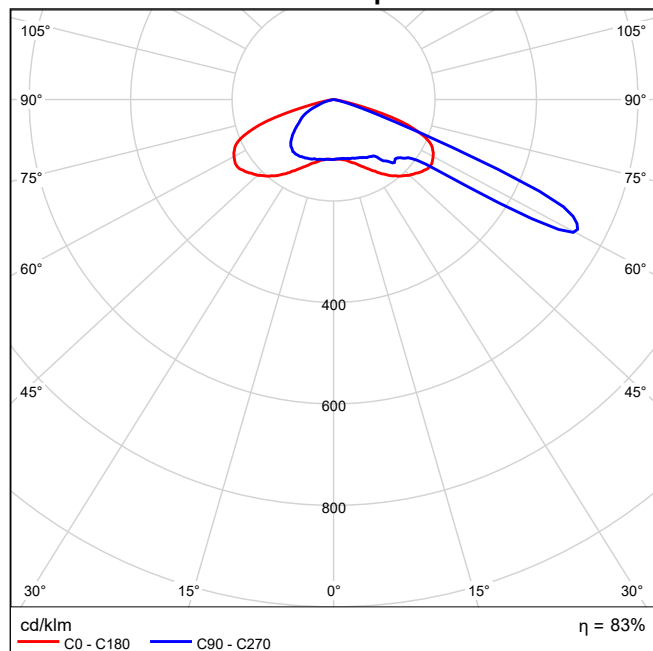
Schröder 403192 AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 1x64 OSLON SQUARE GIANT 500mA 230V / Schröder - AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 (1x64 OSLON SQUARE GIANT 500mA 230V)

Schröder 403192 AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 1x64 OSLON SQUARE GIANT 500mA 230V

Per un'immagine della lampada consultare il nostro catalogo lampade.

Rendimento: 82.71%
Flusso luminoso lampadina: 13064 lm
Flusso luminoso lampade: 10805 lm
Potenza: 94.0 W
Rendimento luminoso: 115.0 lm/W

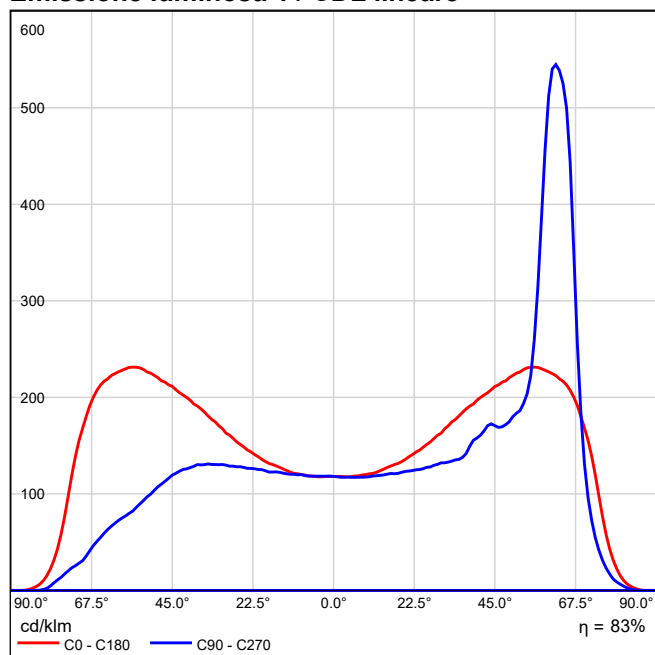
Emissione luminosa 1 / CDL polare





Schröder 403192 AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 1x64 OSLON SQUARE GIANT 500mA 230V / Schröder - AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 (1x64 OSLON SQUARE GIANT 500mA 230V)

Emissione luminosa 1 / CDL lineare

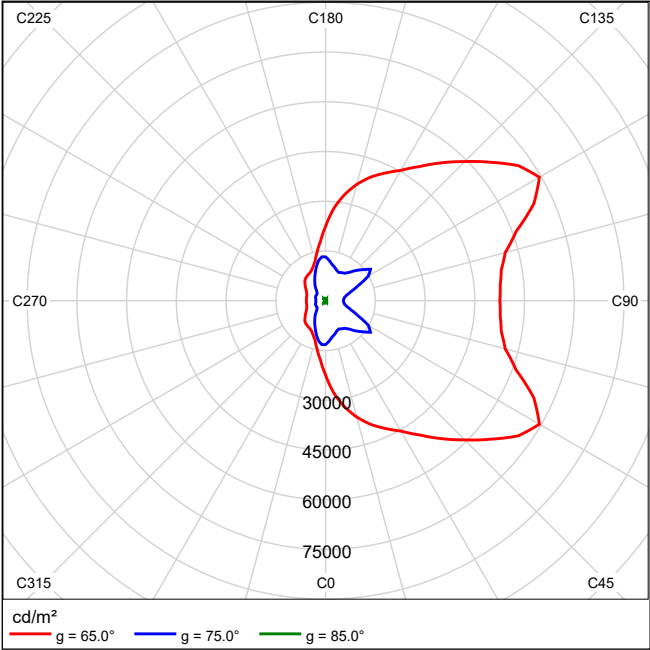


Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.



Schröder 403192 AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 1x64 OSLON SQUARE GIANT 500mA 230V / Schröder - AMPERA MIDI 5119 - 64 OSLON SQUARE GIANT 500mA WW 230V 00-36-982Flat glass 403192 (1x64 OSLON SQUARE GIANT 500mA 230V)

Emissione luminosa 1 / Diagramma della luminanza



Non è possibile creare un diagramma UGR, poiché la diffusione luminosa è asimmetrica.

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Presentation of the selected product

CONCEPT

Family of 3 road LED luminaires: Mini, Midi, Maxi

Applications: Urban road, Square and park, Road and highway, Residential road, Park, Large area, Car park, Bridge, Bike path

Dimensions (mm):

- Width: 340
- Height: 90
- Length: 583

Weight (kg): 7,75

Recommended height installation: between 4m and 12m

For optimal heat dissipation, the driver and LED engine are in separate compartments and juxtaposed in a horizontal section

Independent optical compartment on spigot ensures easy installation

HOUSING & FINISH

- Housing in high-pressure, die-cast aluminium, polyester powder coated
- Direct and tool free access to housing with driver compartment and optical unit by releasing the lateral latches and pivoting downwards. Quick connectors (knife switch) allow easy removal of the housing.
- Colour: AKZO grey 900 sanded
- Luminaire Cd.S (drag): 0.047m²; Cs.S (side): 0.011m²; Cl.S (lift): 0.087m²
- Tightness - driver & optical: IP 66
- Impact resistance: IK 09

INSTALLATION

- Reversible fixation in high-pressure, die-cast aluminium
- Diameter 32-48, 48-60mm or 76mm, tightened with 2 stainless steel screws
- Allows tilt on a vertical pole from 0 to +15°; on a horizontal spigot from 0 to -15° by 5° steps
- Tool free access for maintenance

OPTICAL UNIT

- "FutureProof" optical unit, replaceable on-site, enclosed in the housing with a removable gasket - Shore50
- Protected against lens degradation with a 5mm thick extra-clear hardened glass
- Flatbed PCB with acrylic lens overlay principle
- Various photometric distributions: from narrow road to motorway, medium and large area
- CRI > 70
- ULR: 0%

LED lumen depreciation

- Lifetime residual flux @ Tq=25°C @ 100.000 hrs: 350mA & 500mA: 90%; 700mA: 80%

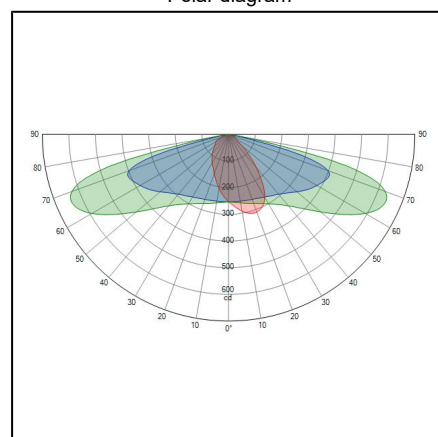
ELECTRICAL

- Class I or Class II
- Input voltage: 120-277V - 50-60Hz
- Power factor > 90% at full load
- 10kV, 10kA surge protection
- Power automatically switches off when opened
- Thermal protection on LED PCBA

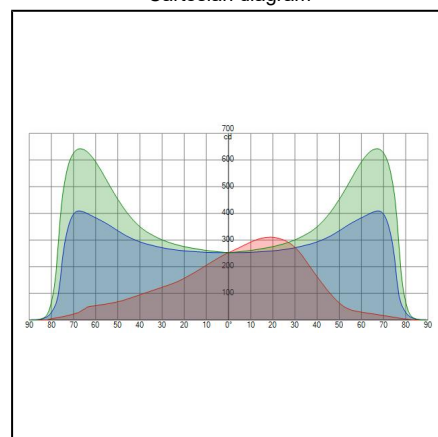
STANDARDS & CERTIFICATIONS



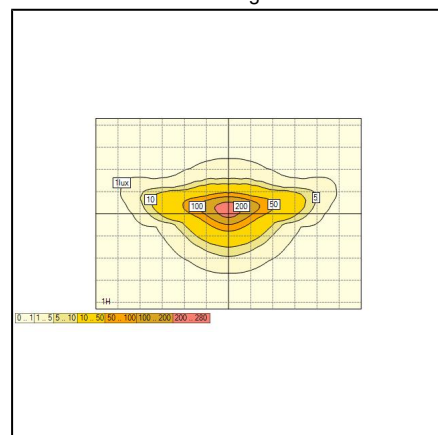
Polar diagram



Cartesian diagram



Isolux diagram



- ENEC
- LM79-80
- ETL
- ROHS
- All measurements in ISO17025 accredited laboratory

OPTIONS

- Other RAL or AKZO colours
- Other light distributions
- Back light control
- CW or WW LEDs
- OWLET remote management
- Custom dimming profile; Constant Lumen Output (CLO) ; Bi-Power
- Photocell
- Motion detection

AMPERA MINI – YOUR OPTICAL UNIT CONFIGURATION:

- Optic: 5137 [O-R] Matrix: 404602
- Protector: [Glass Extra Clear, Flat, Smooth]
- Source: 16 LEDs 350mA WW
- Power (W): 19
- Tightness optical unit: IP 66
- Specifications may differ per country and be changed without notice due to continuous R&D on our products. (*) Tolerance of 7% on flux data.



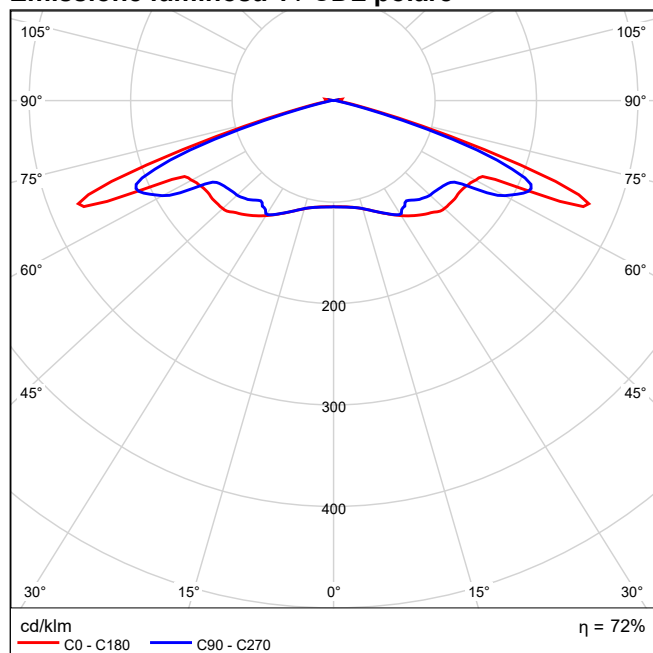
Schröder KAZU / 5119 / 24 LEDs 500mA WW / 359762 1x24 LEDs 500mA WW / Schröder - KAZU / 5119 / 24 LEDs 500mA WW / 359762 (1x24 LEDs 500mA WW)

Schröder KAZU / 5119 / 24 LEDs 500mA WW / 359762 1x24 LEDs 500mA WW



Rendimento: 71.96%
 Flusso luminoso lampadina: 4932 lm
 Flusso luminoso lampade: 3549 lm
 Potenza: 39.0 W
 Rendimento luminoso: 91.0 lm/W

Emissione luminosa 1 / CDL polare



CONCEPT

- Cost-effective LED lighting solution with a modern design for various urban landscapes

Applications: Urban road, Square and park, Residential road

Dimensions (mm):

- Width: 525
- Height: 160
- Length: 525
- Weight (kg): 8
- Recommended height installation: between 3,5m and 5mm

HOUSING & FINISH

- Housing in corrosion free, high-pressure, die-cast aluminium, polyester powder coated
- Protector in UV resistant polycarbonate
- Body with optimised ribs to avoid dirt/sand accumulation
- Colour: AKZO grey 900 sanded
- Tightness - optical: IP 66
- Tightness - driver: IP 66
- Impact resistance: IK 10

INSTALLATION

- Slip-over mounting onto a vertical mast with a 76mm or 60 mm spigot diameter
- Fixation with stainless steel grub screws
- Delivered with pre-fitted electrical supply cable

OPTICAL UNIT

- "FutureProof" optical unit, enclosed in top cover with driver, replaceable on-site
- Flatbed PCB, with acrylic lens overlay principle
- Various circular, symmetric and asymmetric photometric distributions
- CRI > 70
- ULOR < 1% (flat protector)

LED lumen depreciation

- Lifetime residual flux @ Tq=25°C @ 100,000h: 500mA: 80%; 700mA & 1000mA: 70%.
- Tq=35°C @ 100,000h: 1000mA: 80%

ELECTRICAL

- Class I or Class II
- Replaceable driver
- Input voltage: 220-230V - 50/60Hz
- Power factor > 90% at full load
- ThermiX®: mechanical heat dissipation
- 10kV surge protection (optional)

STANDARDS & CERTIFICATIONS

- CE
 - LM79-80
 - ROHS
- All measurements in ISO17025 accredited laboratory

OPTIONS

- Other RAL or AKZO colours
- Other light distributions
- Back Light Control system
- Custom Light Output (CLO), custom dimming profile,
- OWLET remote management
- WW LEDs
- Photocell

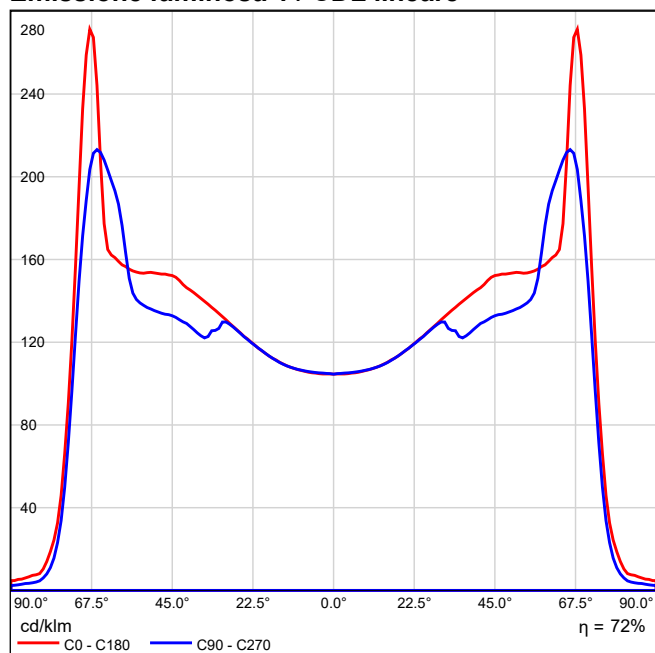
KAZU – YOUR OPTICAL UNIT CONFIGURATION:

- Optic: 5119 Circular Matrix: 359762
- Protector: [PC, Flat, Smooth]
- Source: 24 LEDs 500mA WW



Schröder KAZU / 5119 / 24 LEDs 500mA WW / 359762 1x24 LEDs 500mA WW / Schröder - KAZU / 5119 / 24 LEDs 500mA WW / 359762 (1x24 LEDs 500mA WW)

Emissione luminosa 1 / CDL lineare



- Power (W): 39
- Tightness optical unit: IP 66

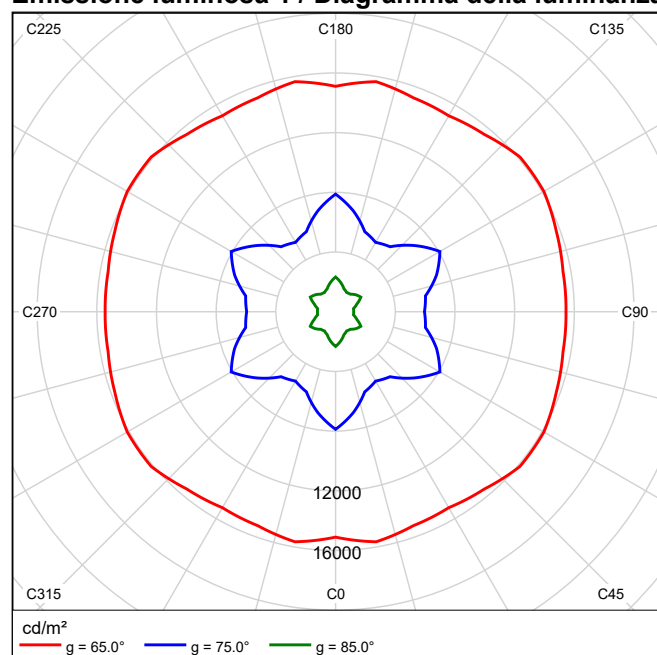
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Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.



Schröder KAZU / 5119 / 24 LEDs 500mA WW / 359762 1x24 LEDs 500mA WW / Schröder - KAZU / 5119 / 24 LEDs 500mA WW / 359762 (1x24 LEDs 500mA WW)

Emissione luminosa 1 / Diagramma della luminanza





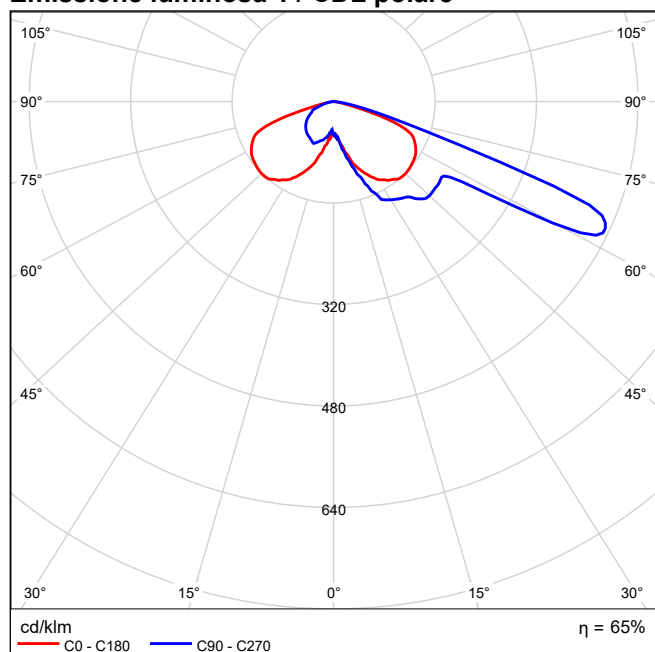
Schröder STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 1x32 LEDs 350mA WW / Schröder - STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 (1x32 LEDs 350mA WW)

Schröder STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 1x32 LEDs 350mA WW



Rendimento: 64.92%
Flusso luminoso lampadina: 4800 lm
Flusso luminoso lampade: 3116 lm
Potenza: 36.0 W
Rendimento luminoso: 86.6 lm/W

Emissione luminosa 1 / CDL polare



CONCEPT: Stylage

With its typical 4-faced design, the Stylage luminaire brings the classical style lanterns into the 21st century. Thanks to a modern twist on a classic design, the Stylage easily blends into both historical city centres as well as areas with a more contemporary architecture.

The Stylage is the ideal tool to create aesthetic consistency in cities composed of a mixture of heritage and modern architecture and who wish to highlight their historical patrimony while accentuating their commitment to the future.

Equipped with the performing LensoFlex®2 LED engine, the Stylage luminaire offers a high photometrical performance with energy savings that can exceed 75% compared to luminaires fitted with traditional light sources.

Applications: Urban road, Square and park, Residential road, Park, Car park, Bridge, Bike path

Dimensions (mm):

- Width: 373
- Height: 704
- Length: 373

Weight (kg): 7

Recommended height installation: between 3,5m and 5mm

HOUSING & FINISH

•Housing in high-pressure, die-cast aluminium, polyester powder coated

•Protector in flat glass or deep drawn anti-UV PC

•Colour: AKZO grey 900 sanded

•Luminaire Cx.S (drag): 0.125m²

•Tightness - optical: IP 66

•Tightness - driver: IP 66

•Impact resistance: IK 08

INSTALLATION

•Available in post-top or suspended version (optional)

•Fixation ¾" Gas or 60mm spigot (optional)

•Direct access to the body with the driver compartment is gained by releasing the M4 screw and removing the cover which is attached to the body by cable retainers

•Separate gear tray provides easy removal for maintenance operations

OPTICAL UNIT

•"FutureProof" sealed optical unit, replaceable on-site, enclosed in the housing with a removable gasket - Shore50

•Protected against lens degradation by 5mm thick extra-clear hardened glass

•Flatbed PCB with acrylic lens overlay principle

•Various photometric distributions: Street or Square distributions

•CRI > 70

•ULR: 0% (for flat glass version)

LED lumen depreciation

•Lifetime residual flux @ Tq=25°C @ 100.000 hrs: 350mA & 500mA: 90%; 700mA: 80%

ELECTRICAL

•Class I or Class II

•Input voltage: 120-277V - 50-60Hz

•Power factor > 90% at full load

•10kV, 10kA surge protection

•Gear tray detachable by 4 screws for maintenance operations

STANDARDS & CERTIFICATIONS

•CE

•ENEC

•LM79-80

•ROHS

•All measurements in ISO17025 accredited laboratory

OPTIONS

•Other RAL or AKZO colours

•Other light distributions

•Back light control

•WW LEDs

•Suspended version

•Large clear protector

•OWLET remote management

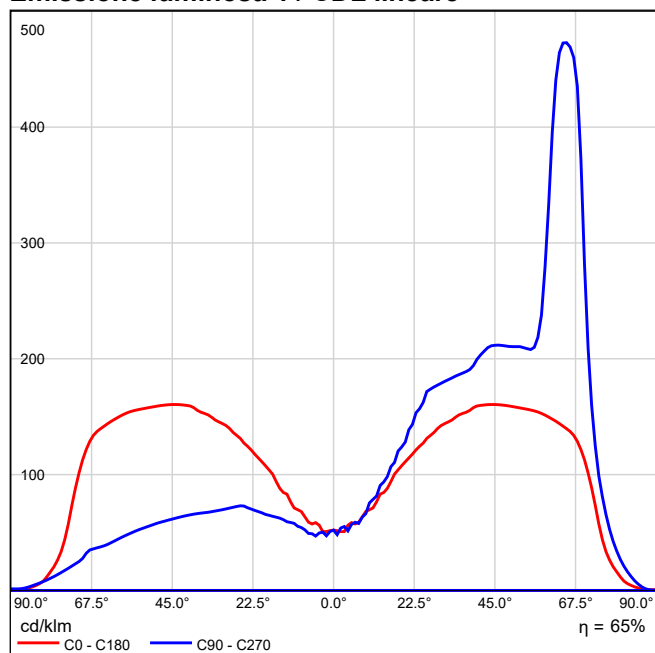
•Custom dimming profile; Constant Lumen Output (CLO); Bi-Power Features

•Energy savings of up to 75% compared with traditional light sources



Schröder STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 1x32 LEDs 350mA WW / Schröder - STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 (1x32 LEDs 350mA WW)

Emissione luminosa 1 / CDL lineare



- Elegant and comfortable solution for creating ambiance
- LensoFlex®2 photometric engine with photometry adapted to various applications
- Zero light pollution for flat-glass version
- ThermiX® and LEDSafe® for long lasting performance
- IP 66 tightness level
- FutureProof: easy replacement of photometric engine and power supply on-site
- Surge protection 10kV
- Designed to incorporate Owllet range of control solutions: autonomous or interoperable network

STYLAGE – YOUR OPTICAL UNIT CONFIGURATION:

•Optic: 5119 Back light - Asymmetrical Post-top Back light Matrix: 341802

•Protector: [Glass, Flat, Smooth]

•Source: 32 LEDs 350mA WW

•Power (W): 36

•Tightness optical unit: IP 66

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on our products. (*) Tolerance of 7% on flux data.

Non è possibile creare un diagramma conico, poiché la diffusione luminosa è asimmetrica.



Schröder STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 1x32 LEDs 350mA WW / Schröder - STYLAGE / 5119 / 32 LEDs 350mA WW / 341802 (1x32 LEDs 350mA WW)

Emissione luminosa 1 / Diagramma della luminanza

