FLUX LIGHTING

catalogue 2020

www.flux-lighting.com

FLUX
LIGHTING

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OUTDOOR LED LIGHTING

Flux lighting

"FLUX LIGHTING has been a French manufacturer of outdoor LED lighting equipment since 1993. The company designs, manufactures and markets high-quality luminaires using the "EASY LIGHT" philosophy: easy to install and easy to use."

MADE IN FRANCE

FABRIQUÉ EN FRANCE

Entreprise FLUX LIGHTING

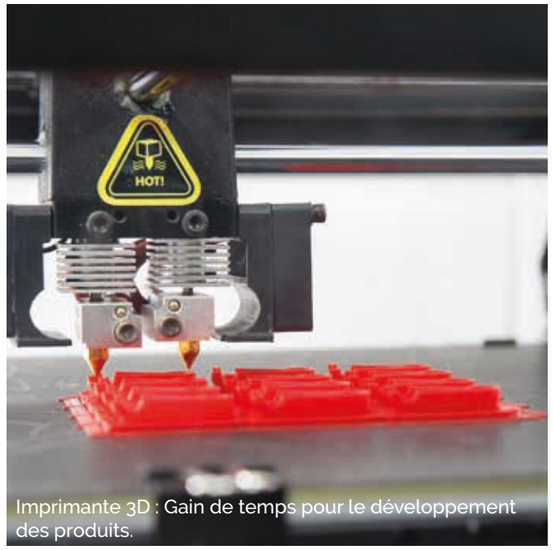
FLUX LIGHTING handles the mechanical and electronic design and the development of all lighting products and manufactures them in-house, a guarantee of reliability and rapid adaptation to the market.

FOCUS ON:

- Use of the latest LED technologies.
- Light sources with high efficiency and high spectral quality.
- Development of innovative lighting solutions which are environmentally friendly.
- Optimum use of light thanks to efficient lenses.
- Continuous improvement and quality control.

FLUX creates innovative lighting management systems and offers a complete range of outdoor LED products: street luminaires, linear luminaires, floodlights and the DMX wireless system.

You will find our range of solutions for public lighting and illumination on our website: www.flux-lighting.com.



Imprimante 3D : Gain de temps pour le développement des produits.

Engineering & Design

Our own engineering department develops and designs all our products from start to finish using the EASY LIGHT philosophy.

Considerations

- Appropriate and minimal use of materials (e.g.: thermal calculations and simulations to optimize the thickness of aluminium heat sinks)
- Selection of the most appropriate materials
- Designs are intended to ensure easy recycling (no adhesives, recycling of some parts, optimized maintenance)
- Minimal energy consumption
- Manufacturing without generation of hazardous waste products in accordance with European standards (optimum sorting of waste)

Resources

The company has a test laboratory specially equipped to carry out testing: impact resistance (IK), sealing (IP), deformation and mechanical strength (press), thermal management (measurement software «Pyro Controle» Observer2), various electronic measurement devices: current consumed/current supplied.

Investments

To perform rigorous testing and to achieve technical excellence, the R&D department has a 3D printer for modelling mechanical parts, a salt spray test chamber, a climate chamber, a dust chamber, a UV ageing chamber and a thermal imaging camera.

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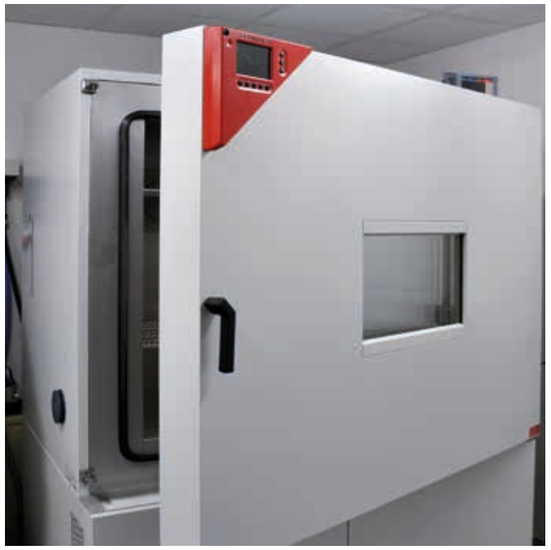
Salt spray chamber



Climate chamber

IP testing

Electrical testing of 230V luminaires

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Street luminaires

EASYLIGHT
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Easylight philosophy

Street luminaires, linear, floodlights, DMX wireless system

EASY LIGHT

EASY TO CONFIGURE

EASY TO INSTALL

EASY TO CONNECT

EASY TO USE

EASY TO CONTROL

EASY TO MAINTAIN

Easy configuration

3 designs, 2 sizes, 9 lumen packages, 4 colour temperatures, 2 optical distributions

FLUX LIGHTING

ODO

W 2200 K
W 2700 K
W 3000 K
W 4000 K

Street
Asymmetric

2000 lm
3000 lm
4000 lm
5000 lm
6000 lm
7000 lm
8000 lm
9000 lm
10000 lm

EVO

W 2200 K
W 2700 K
W 3000 K
W 4000 K

Street
Asymmetric

2000 lm
3000 lm
4000 lm
5000 lm
6000 lm
7000 lm
8000 lm
9000 lm
10000 lm

KAA

W 2200 K
W 2700 K
W 3000 K
W 4000 K

Street
Asymmetric

2000 lm
3000 lm
4000 lm
5000 lm
6000 lm
7000 lm
8000 lm
9000 lm
10000 lm

Consortium Zhaga

Definition

Zhaga is a worldwide lighting industry organization that standardizes the components of LED luminaires (e.g.: C.O.B “Chip On Board”). This simplifies the design and manufacture of luminaires and accelerates the adoption of LED lighting solutions.

Zhaga LED module, Zhaga DALI driver and Zhaga connector are avalaible at various suppliers

LED module non-proprietary

Zhaga COB modules are non-proprietary. Everyone is free to buy COBs from several suppliers.

- Standardized components, compatible and interchangeable with those of other suppliers.
- Ability to track changes, improved generation: diminished risk of obsolescence.
- Easy comparison of certain characteristics, dimensions are standardized.
- Lower development costs for luminaires meaning lower prices.

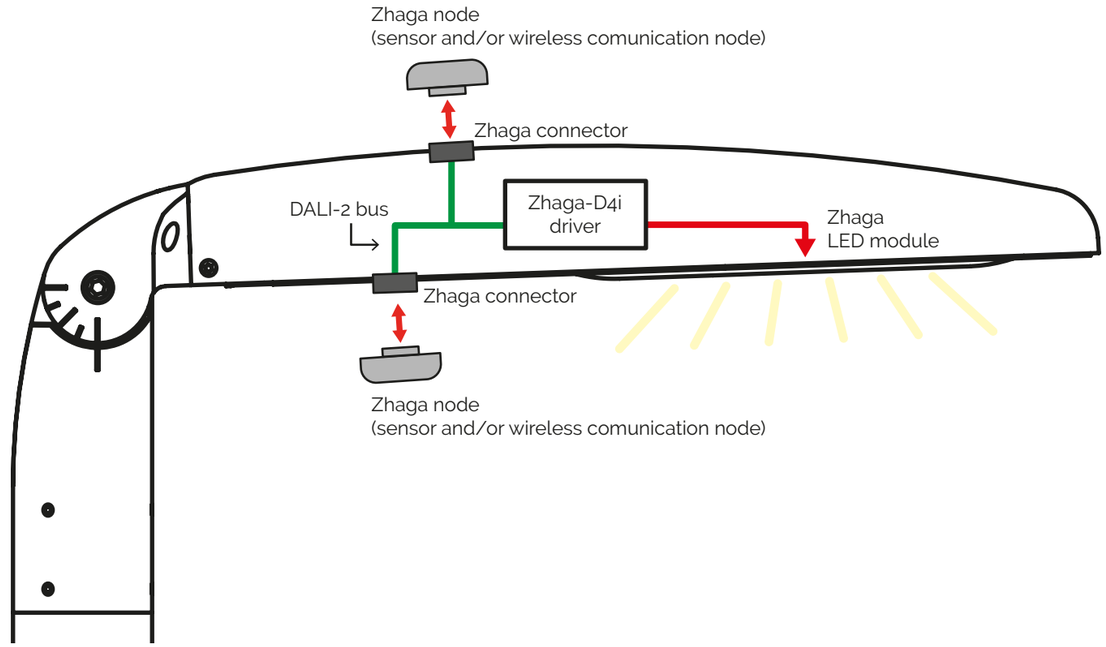
Standard Zhaga-D4i driver for luminaire with Zhaga connector

All FLUX street luminaires are equipped with a Zhaga-D4i driver when there are Zhaga connector.

A easy solution that makes it possible to add a sensor or wireless communication modules to the luminaires.

Zhaga connector

FLUX LIGHTING



Zhaga Book 18 connector

The connector can receive and transmit a great amount of data.

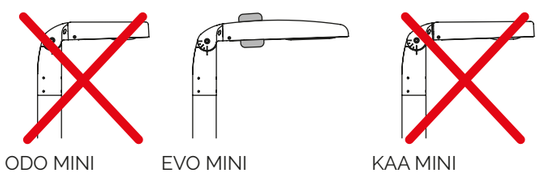
DALI-2 bus feature

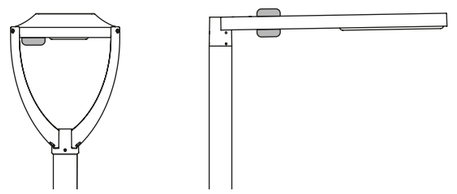
A bidirectional interaction is enabled between the sensor and/or communication module and the driver.

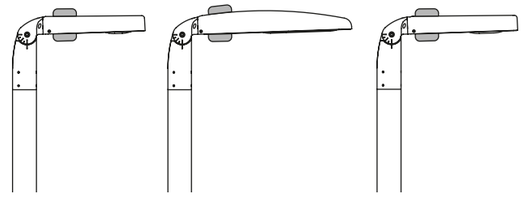
Zhaga Book 18 connector positions

For ODO, EVO, KAA, EVO MINI & LINEO, the Zhaga Book 18 connector can be placed on the top, at the bottom of the luminaire or both.

For XTO, Zhaga Book 18 connector may only be placed at the bottom.







ODO DECO

Pole-mounted/Square bracket

ODO DECO

Pole-mounted/Square bracket

Zhaga*

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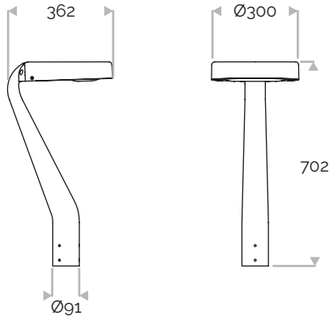
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

ODO MINI DECO

Pole-mounted/Square bracket (mm)

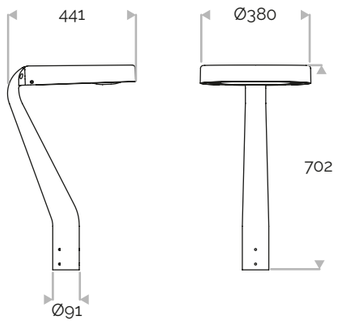
Spigot:
Ø76 H80mm/Ø60 H160mm



ODO DECO

Pole-mounted/Square bracket (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI DECO weight: 7.2 kg.
ODO DECO weight: 8.9 kg.

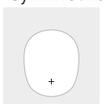
ODO MINI DECO windage: 0.05 m^2.
ODO DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric



Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO DECO

Pole-mounted/Curve bracket

ODO DECO

Pole-mounted/Curve bracket

Zhaga*

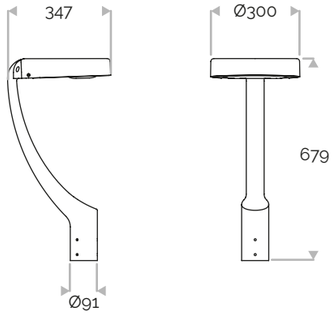
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

ODO MINI DECO

Pole-mounted/Curve bracket (mm)

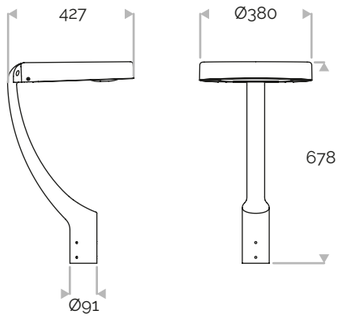
Spigot:
Ø76 H80mm/Ø60 H160mm



ODO DECO

Pole-mounted/Curve bracket (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI DECO weight: 7.2 kg.
ODO DECO weight: 8.9 kg.

ODO MINI DECO windage: 0.05 m^2.
ODO DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

W Warm white 2200K

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO DECO

Possible configurations

ODO DECO

Pole-mounted/Long bracket

ODO DECO

Pole-mounted/Long bracket

Zhaga*

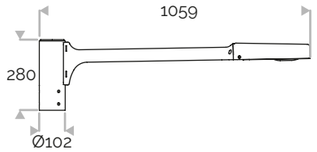
FLUX LIGHTING

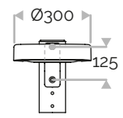
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

ODO MINI DECO

Pole-mounted/Long bracket (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm

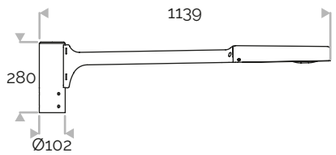


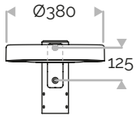


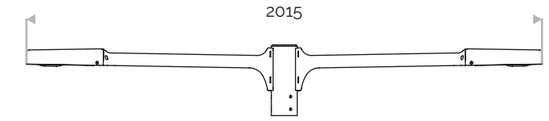
ODO DECO

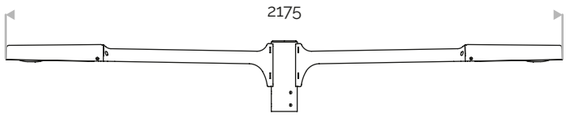
Pole-mounted/Long bracket (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm









Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI DECO weight: 8.1 kg.
ODO DECO weight: 9.8 kg.

ODO MINI DECO windage: 0.05 m^2.
ODO DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO DECO

Middle of pole or walls

ODO DECO

Middle of pole or walls

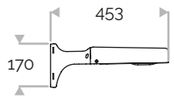
Zhaga*

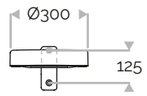
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

ODO MINI DECO

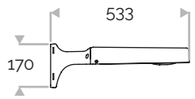
Middle of pole or walls (mm)

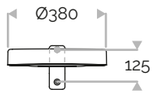




ODO DECO

Middle of pole or walls (mm)





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

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Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI DECO weight: 6.1 kg.
ODO DECO weight: 7.8 kg.

ODO MINI DECO windage: 0.05 m^2.
ODO DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- W Warm white 2200K
- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO DECO

Configurations possibles

ODO

Pole-mounted

ODO

Pole-mounted

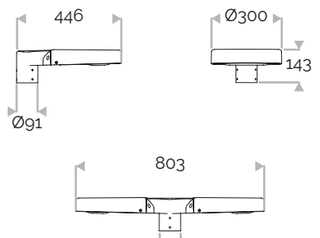
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

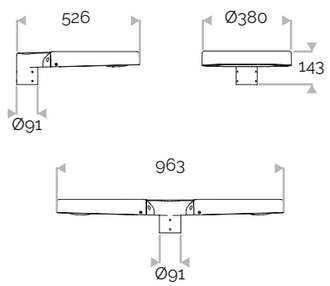
ODO MINI
Pole-mounted
(mm)

Spigot:
Ø76 H80mm/Ø60 H160mm



ODO
Pole-mounted
(mm)

Spigot:
Ø76 H80mm/Ø60 H160mm



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI + single bracket weight: 6,2 kg.
ODO + single bracket weight: 7,9 kg.

ODO MINI + double bracket weight: 11,8 kg.
ODO + double bracket weight: 15,2 kg.

ODO MINI windage: 0,05 m^2.
ODO windage: 0,07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

W Warm white 2200K

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO

Adjustable pole/bracket mount

ODO

Adjustable pole/bracket mount

Zhaga*

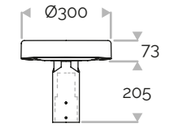
FLUX LIGHTING

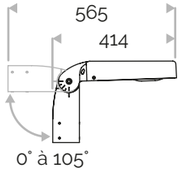
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

ODO MINI

Adjustable pole/bracket mount (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm
Ø60 H100mm/Ø42 H130mm

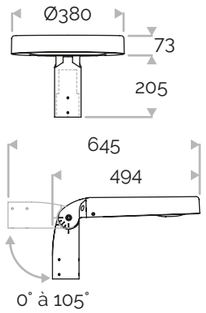




ODO

Adjustable pole/bracket mount (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm
Ø60 H100mm/Ø42 H130mm



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI weight: 4,9 kg.
ODO weight: 6,6 kg.

ODO MINI windage: 0,05 m^2.
ODO windage: 0,07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO

Adjustable mounting on poles/walls

ODO

Adjustable mounting on poles/walls

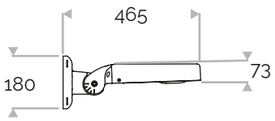
Zhaga*

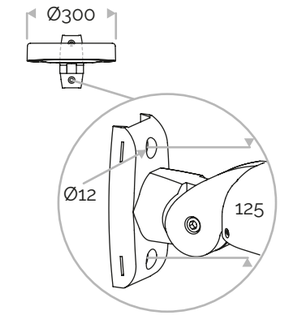
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

ODO MINI

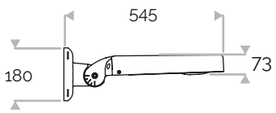
Adjustable mounting on poles/walls (mm)

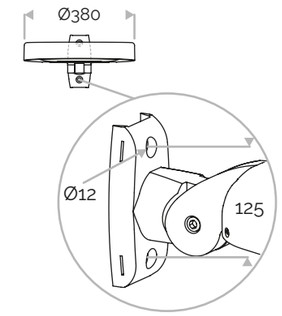




ODO

Adjustable mounting on poles/walls (mm)





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

ODO MINI weight: 4,9 kg.
ODO weight: 6,6 kg.

ODO MINI windage: 0,05 m².
ODO windage: 0,07 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

ODO NANO column & ODO NANO

Tamperproof

ODO NANO column & ODO NANO

Tamperproof

Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver = non-proprietary, interchangeable.

ODO NANO COLUMN
(mm)

Tamperproof LED bollard,glare-free, suitable for persons with reduced mobility.

PRM: spacing of bollards up to 10 m.

Zhaga LED module.

Zhaga DALI driver integrated.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Extruded aluminium tube, thickness 6 mm. Decorative base plate.

Position of the inspection hatch on left or right, opened with 2 tamper-proof "snake-eye" screws.

ODO NANO column weight : 34 kg.
ODO NANO weight : 3.8 kg.

ODO NANO column windage: 0.383 m².
ODO NANO windage: 0.041 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

ODO NANO
(mm)

Spigot: Ø76 H80
For flush look, use a Ø114 pole

Walk

Zhaga

IP66 | IK10+ | DALI | PMR

Lifetime: 100,000 hours L80 B10

W Warm white 3000K

W Warm white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2157	132	16

ODO bollard

Glare-free, tamperproof & suitable for persons with reduced mobility

ODO bollard

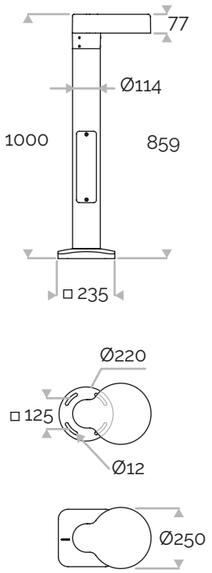
Glare-free, tamperproof & suitable for persons with reduced mobility

Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver = non-proprietary, interchangeable.

ODO BOLLARD
(mm)



Tamperproof LED bollard,glare-free, suitable for persons with reduced mobility.

PRM: spacing of bollards up to 10 m.

Zhaga LED module.

Zhaga DALI driver integrated.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable of 150 cm (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Extruded aluminium tube, thickness 6 mm. Decorative base plate.

Position of the inspection hatch on left or right, opened with 2 tamper-proof “snake-eye” screws.

Weight: 15 kg.

Windage: 0.15 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Walk

Zhaga

IP66 | IK10+ | DALI | PMR

Lifetime: 100,000 hours L80 B10

W Warm white 3000K

W Warm white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
1644	144	11

ODO

Possible configurations

Chemin vert, Gonfreville-l'Orcher (France).
Customer: Garczynski Traploir. © FLUX

Résidence Oxygène, Elne (France).
Maître d'ouvrage : SM Promotion. Installateur : SCOPELEC & ETETP. © FLUX

EVO DECO

Pole-mounted/Square bracket

EVO DECO

Pole-mounted/Square bracket

Zhaga*

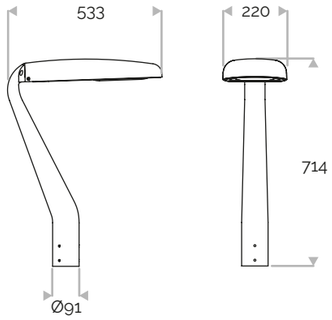
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI DECO

Pole-mounted/Square bracket (mm)

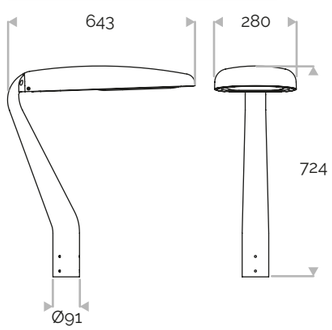
Spigot:
Ø76 H80mm/Ø60 H160mm



EVO DECO

Pole-mounted/Square bracket (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm



- Street luminaire with the COB LED "EASY LIGHT" system.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surge protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- EVO MINI DECO weight: 7.8 kg.
  EVO DECO weight: 9.5 kg.
- EVO MINI DECO windage: 0.07 m^2.
  EVO DECO windage: 0.10 m^2.
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO DECO

Pole-mounted/Curve bracket

EVO DECO

Pole-mounted/Curve bracket

Zhaga*

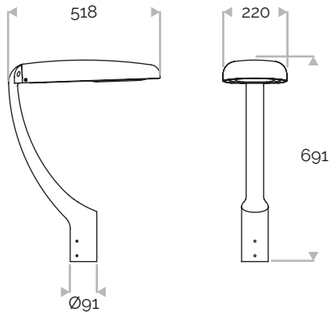
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI DECO

Pole-mounted/Curve bracket (mm)

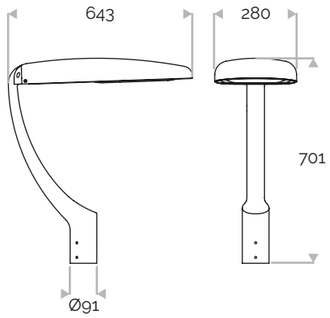
Spigot:
Ø76 H80mm / Ø60 H160mm



EVO DECO

Pole-mounted/Curve bracket (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm



- Street luminaire with the COB LED "EASY LIGHT" system.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surge protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- EVO MINI DECO weight: 7.8 kg.
  EVO DECO weight: 9.5 kg.
- EVO MINI DECO windage: 0.07 m^2.
  EVO DECO windage: 0.10 m^2.
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO DECO

Configurations possibles

EVO DECO

Pole-mounted/Long bracket

EVO DECO

Pole-mounted/Long bracket

Zhaga*

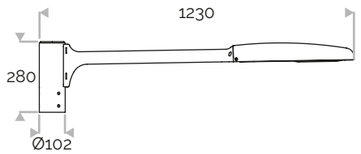
FLUX LIGHTING

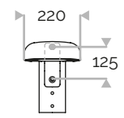
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI DECO

Pole-mounted/Long bracket (mm)

Spigot:
Ø76 H80mm / Ø60 H160mm

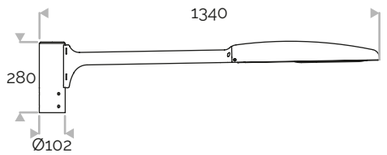


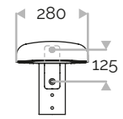


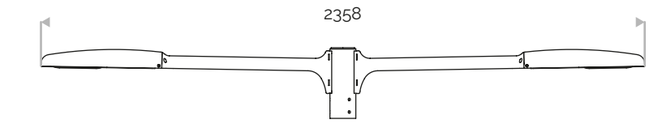
EVO DECO

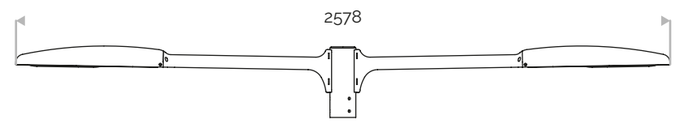
Pole-mounted/Long bracket (mm)

Spigot:
Ø76 H80mm / Ø60 H160mm









Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

EVO MINI DECO weight: 8.7 kg.
EVO DECO weight: 10.4 kg.

EVO MINI DECO windage: 0.07 m^2.
EVO DECO windage: 0.10 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO DECO

Middle of pole or walls

EVO DECO

Middle of pole or walls

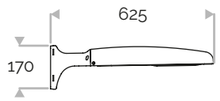
Zhaga*

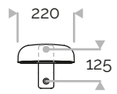
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI DECO

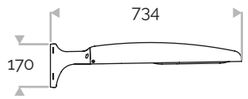
Middle of pole or walls (mm)

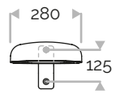




EVO DECO

Middle of pole or walls (mm)





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

EVO MINI DECO weight: 6.7 kg.
EVO DECO weight: 8.4 kg.

EVO MINI DECO windage: 0.07 m^2.
EVO DECO windage: 0.10 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO DECO

Possible configurations

EVO

Pole-mounted

EVO

Pole-mounted

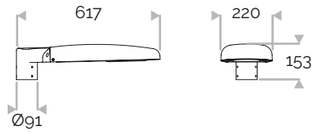
Zhaga*

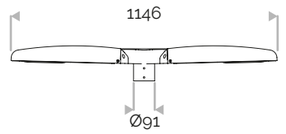
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI
Pole-mounted
(mm)

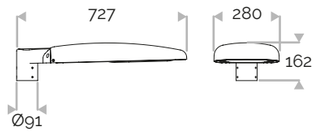
Spigot:
Ø76 H80mm/Ø60 H160mm

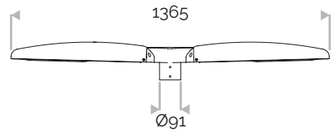




EVO
Pole-mounted
(mm)

Spigot:
Ø76 H80mm / Ø60 H160mm





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

EVO MINI + single bracket weight: 6.8 kg.
EVO + single bracket weight: 8.5 kg.

EVO MINI + double bracket weight: 13 kg.
EVO + double bracket weight: 16.4 kg.

EVO MINI windage: 0.07 m^2.
EVO windage: 0.10 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO

Adjustable pole/bracket mount

EVO

Adjustable pole/bracket mount

Zhaga*

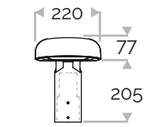
FLUX LIGHTING

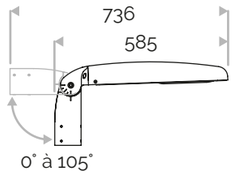
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI

Adjustable pole/bracket mount (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm
Ø60 H100mm/Ø42 H130mm

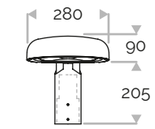


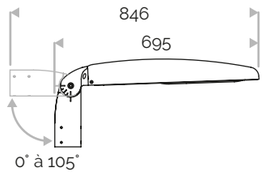


EVO

Adjustable pole/bracket mount (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm
Ø60 H100mm/Ø42 H130mm





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

EVO MINI weight: 5.5 kg.
EVO weight: 7.2 kg.

EVO MINI windage: 0,07 m².
EVO windage: 0.10 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

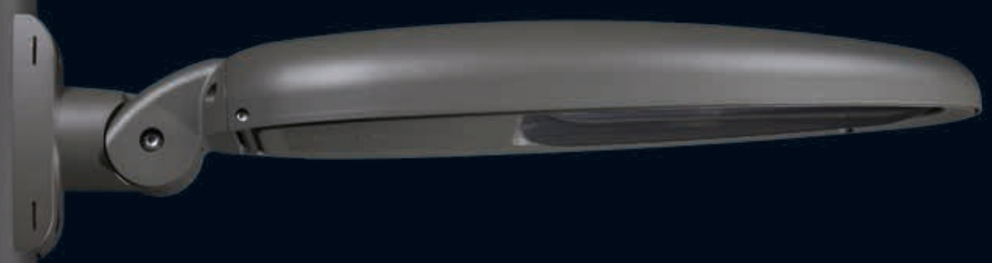
Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO

Adjustable mounting on poles/walls



EVO

Adjustable mounting on poles/walls

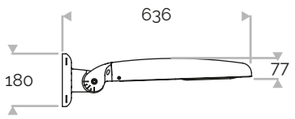
Zhaga*

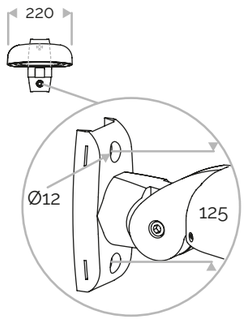
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

EVO MINI

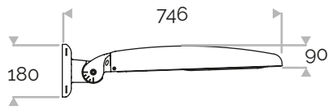
Adjustable mounting on poles/walls (mm)

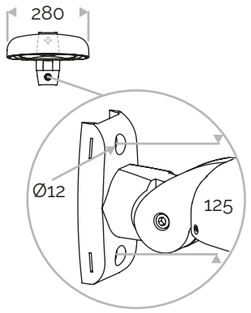




EVO

Adjustable mounting on poles/walls (mm)





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

EVO MINI weight: 5.5 kg.
EVO weight: 7.2 kg.

EVO MINI windage: 0,07 m^2.
EVO windage: 0,10 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

EVO

Possible configurations

Preignan (France).
Customer: SDEG. Installer: BARDE Sud-Ouest. © FLUX

KAA DECO

Pole-mounted/Square bracket

KAA DECO

Pole-mounted/Square bracket

Zhaga*

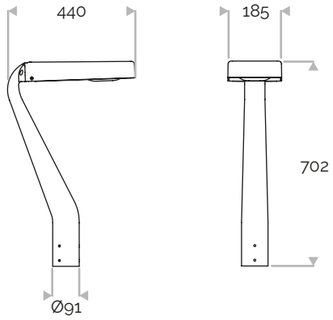
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA MINI DECO

Pole-mounted/Square bracket (mm)

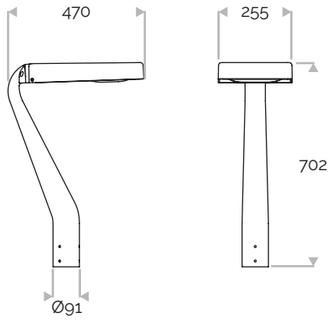
Spigot:
Ø76 H80mm/Ø60 H160mm



KAA DECO

Pole-mounted/Square bracket (mm)

Spigot:
Ø76 H80mm / Ø60 H160mm



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI DECO weight: 7.1 kg.
KAA DECO weight: 8.9 kg.

KAA MINI DECO windage: 0.06 m^2.
KAA DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

W Warm white 2200K

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA DECO

Pole-mounted/Curve bracket

KAA DECO

Pole-mounted/Curve bracket

Zhaga*

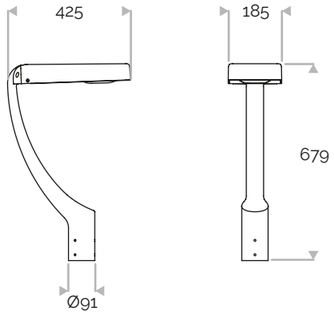
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA MINI DECO

Pole-mounted/Curve bracket (mm)

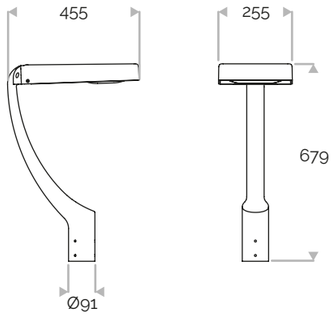
Spigot:
Ø76 H80mm / Ø60 H160mm



KAA DECO

Pole-mounted/Curve bracket (mm)

Spigot:
Ø76 H80mm / Ø60 H160mm



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI DECO weight: 7.1 kg.
KAA DECO weight: 8.9 kg.

KAA MINI DECO windage: 0.06 m^2.
KAA DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

W Warm white 2200K

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

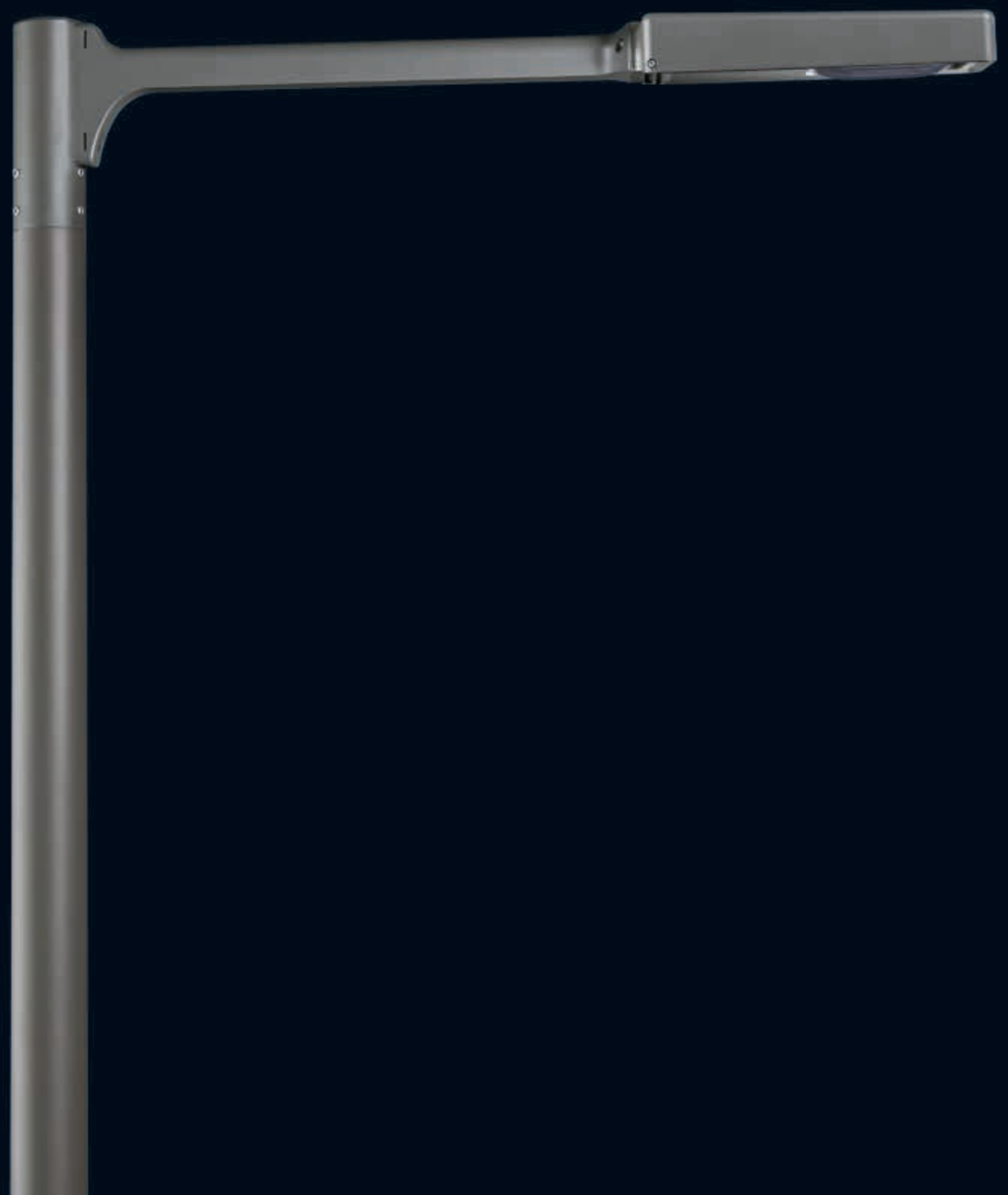
Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA DECO

Possible configurations

KAA DECO

Pole-mounted/Long bracket



KAA DECO

Pole-mounted/Long bracket

Zhaga*

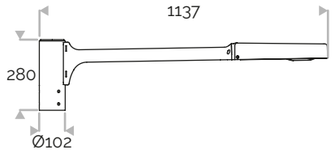
FLUX LIGHTING

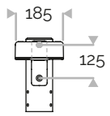
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA MINI DECO

Pole-mounted/Long bracket (mm)

Spigot:
Ø76 H80mm / Ø60 H160mm

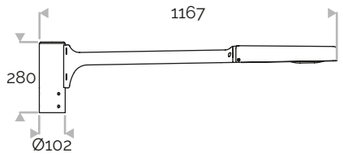


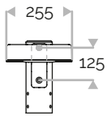


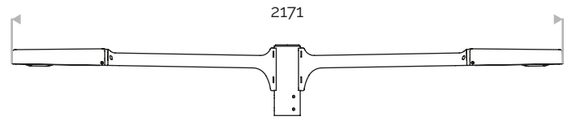
KAA DECO

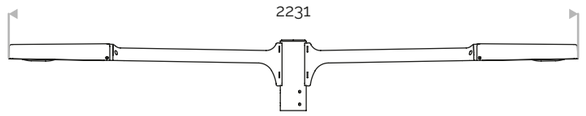
Pole-mounted/Long bracket (mm)

Spigot:
Ø76 H80mm / Ø60 H160mm









Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI DECO weight: 8 kg.
KAA DECO weight: 9.8 kg.

KAA MINI DECO windage: 0.06 m^2.
KAA DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- W Warm white 2200K
- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA DECO

Middle of pole or walls

KAA DECO

Middle of pole or walls

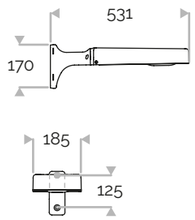
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

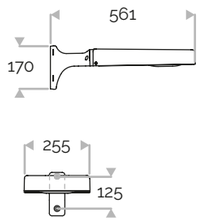
KAA MINI DECO

Middle of pole or walls
(mm)



KAA DECO

Middle of pole or walls
(mm)



Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

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Class I, Class II optional.

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Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI DECO weight: 6 kg.
KAA DECO weight: 7.8 kg.

KAA MINI DECO windage: 0.06 m^2.
KAA DECO windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- W Warm white 2200K
- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA DECO

Possible configurations

KAA

Pole-mounted

KAA

Pole-mounted

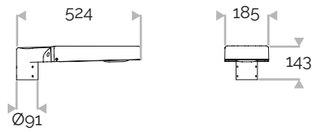
Zhaga*

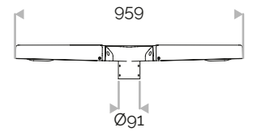
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA MINI
Pole-mounted
(mm)

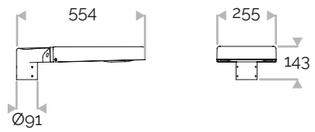
Spigot:
Ø76 H80mm/Ø60 H160mm

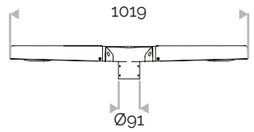




KAA
Pole-mounted
(mm)

Spigot:
Ø76 H80mm/Ø60 H160mm





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI + single bracket weight: 6.1 kg.
KAA + single bracket weight: 7.9 kg.

KAA MINI + double bracket weight: 11.6 kg.
KAA + double bracket weight: 15.2 kg.

KAA MINI windage: 0.06 m^2.
KAA windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA

Adjustable pole/bracket mount

KAA

Adjustable pole/bracket mount

Zhaga*

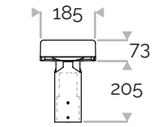
FLUX LIGHTING

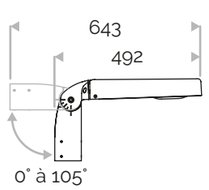
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA MINI

Adjustable pole/bracket mount (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm
Ø60 H100mm/Ø42 H130mm

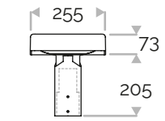


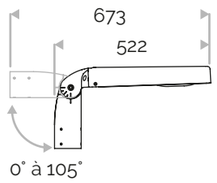


KAA

Adjustable pole/bracket mount (mm)

Spigot:
Ø76 H80mm/Ø60 H160mm
Ø60 H100mm/Ø42 H130mm





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI weight: 4.8 kg.
KAA weight: 6.6 kg.

KAA MINI windage: 0,06 m².
KAA windage: 0.07 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

W Warm white 2200K

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA

Adjustable mounting on poles/walls

KAA

Adjustable mounting on poles/walls

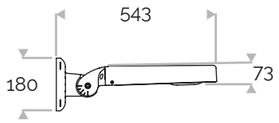
Zhaga*

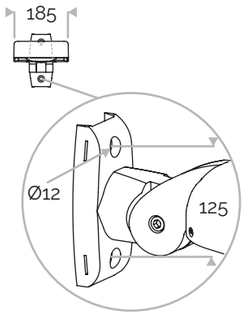
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA MINI

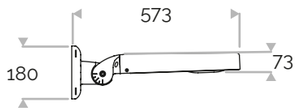
Adjustable mounting on poles/walls (mm)

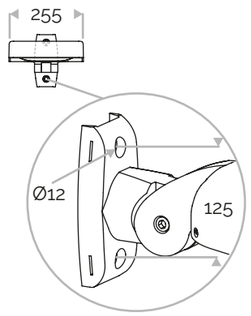




KAA

Adjustable mounting on poles/walls (mm)





Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

KAA MINI weight: 4.9 kg.
KAA weight: 6.6 kg.

KAA MINI windage: 0.06 m^2.
KAA windage: 0.07 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- W Warm white 2200K
- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K

Efficiency at 3000K

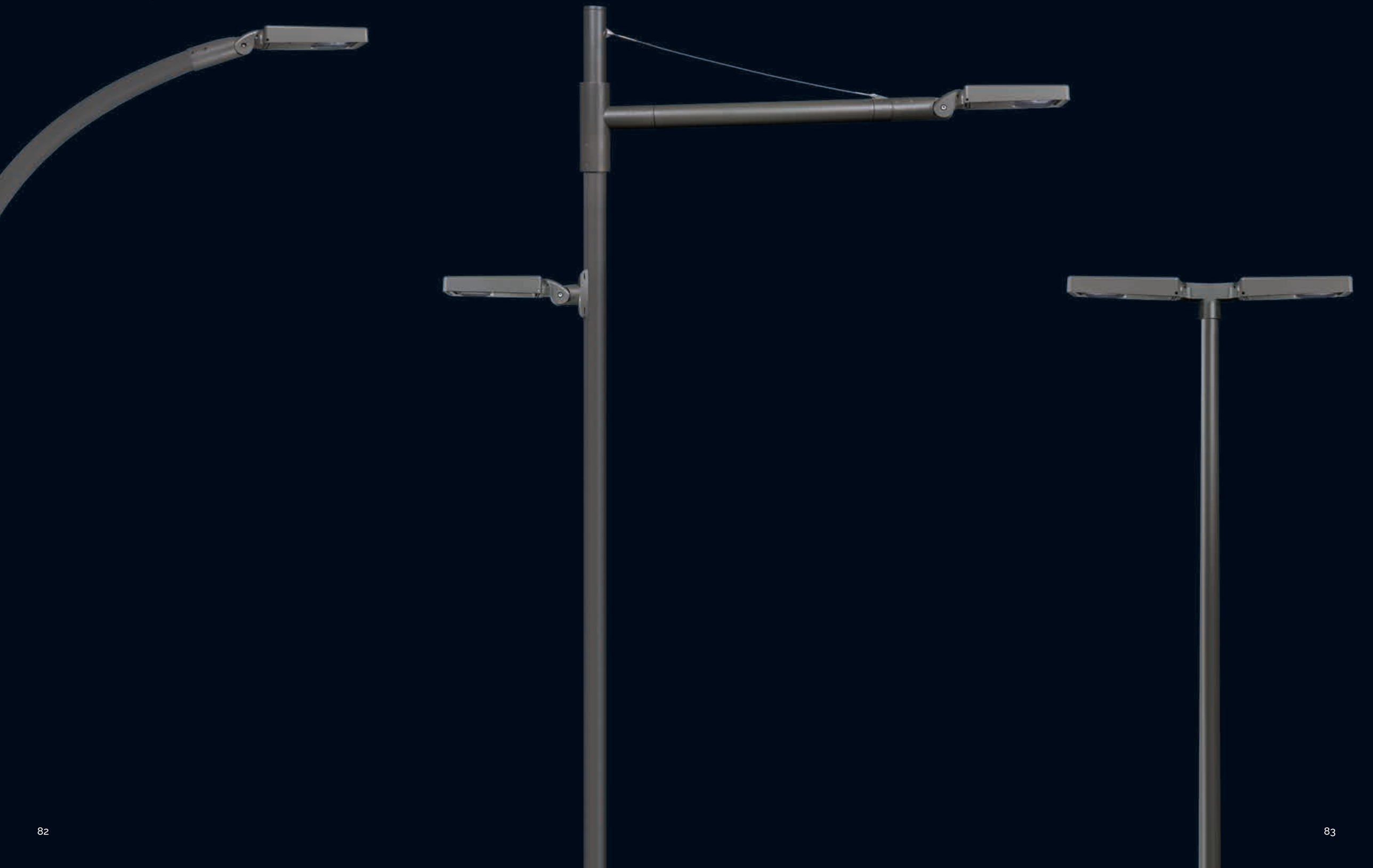
Flux (lm)	lm / W	W
2000	Up to 182	11
3000		18
4000		25
5000		34

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA

Possible configurations



Montessuy Pasteur Îlot Ouest, Caluire-et-Cuire (France).
Customer: City of Caluire-et-Cuire. Prime contractor: Sitétudes. © FLUX

KAA ON STIRRUP

Adjustable pole/bracket mount

KAA ON STIRRUP

Adjustable pole/bracket mount

Zhaga*

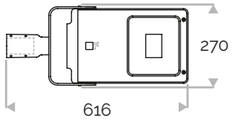
FLUX LIGHTING

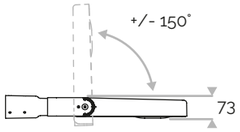
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

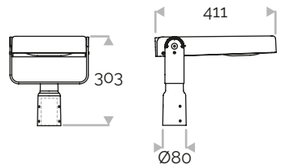
KAA ON STIRRUP

Adjustable pole/bracket mount
(mm)

Spigot:
Ø60 H100mm







Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surface protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Weight: 6.6 kg.

Windage: 0.045 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- W Warm white 2200K
- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA ON STIRRUP

Adjustable on walls

KAA ON STIRRUP

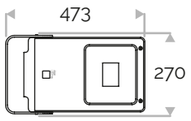
Adjustable on walls

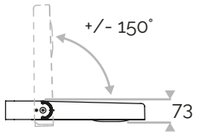
Zhaga*

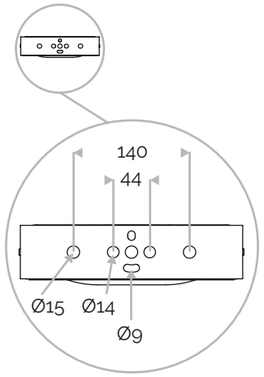
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

KAA ON STIRRUP
Adjustable on walls
(mm)







Street luminaire with the COB LED "EASY LIGHT" system.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Weight: 6.6 kg.

Windage: 0.045 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Zhaga

IP66 | IK08 | IK10 OPTION | DALI

Lifetime: 100,000 hours L80 B10
For Middle East: 60,000 hours L80 B10

- Warm white 2200K
- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
6000	Up to 171	35
7000		42
8000		50
9000		58
10000		67

KAA ON STIRRUP

Possible configurations

LINEO

Pole-mounted

LINEO

Pole-mounted

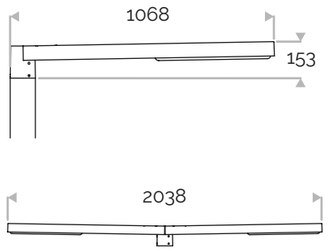
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

LINEO
Pole-mounted
(mm)

Spigot: Ø76 H80
For flush look, use a Ø102 pole



- LED street luminaire.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surge protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- Weight: 9 kg for the single version and 16 kg for the double version.
- Windage: 0.1 m^2.
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66 IK08 DALI

Lifetime: 100,000 hours L80 B10

- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

LINEO

Mounting on middle of the pole or walls

LINEO

Mounting on middle of the pole or walls

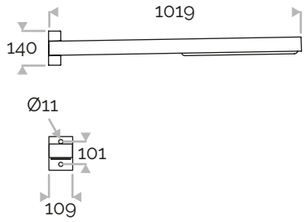
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

LINEO

Mounting on middle of the pole or walls
(mm)



LED street luminaire.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Weight: 9 kg.

Windage: 0.1 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66

IK08

DALI

Lifetime: 100,000 hours L80 B10

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

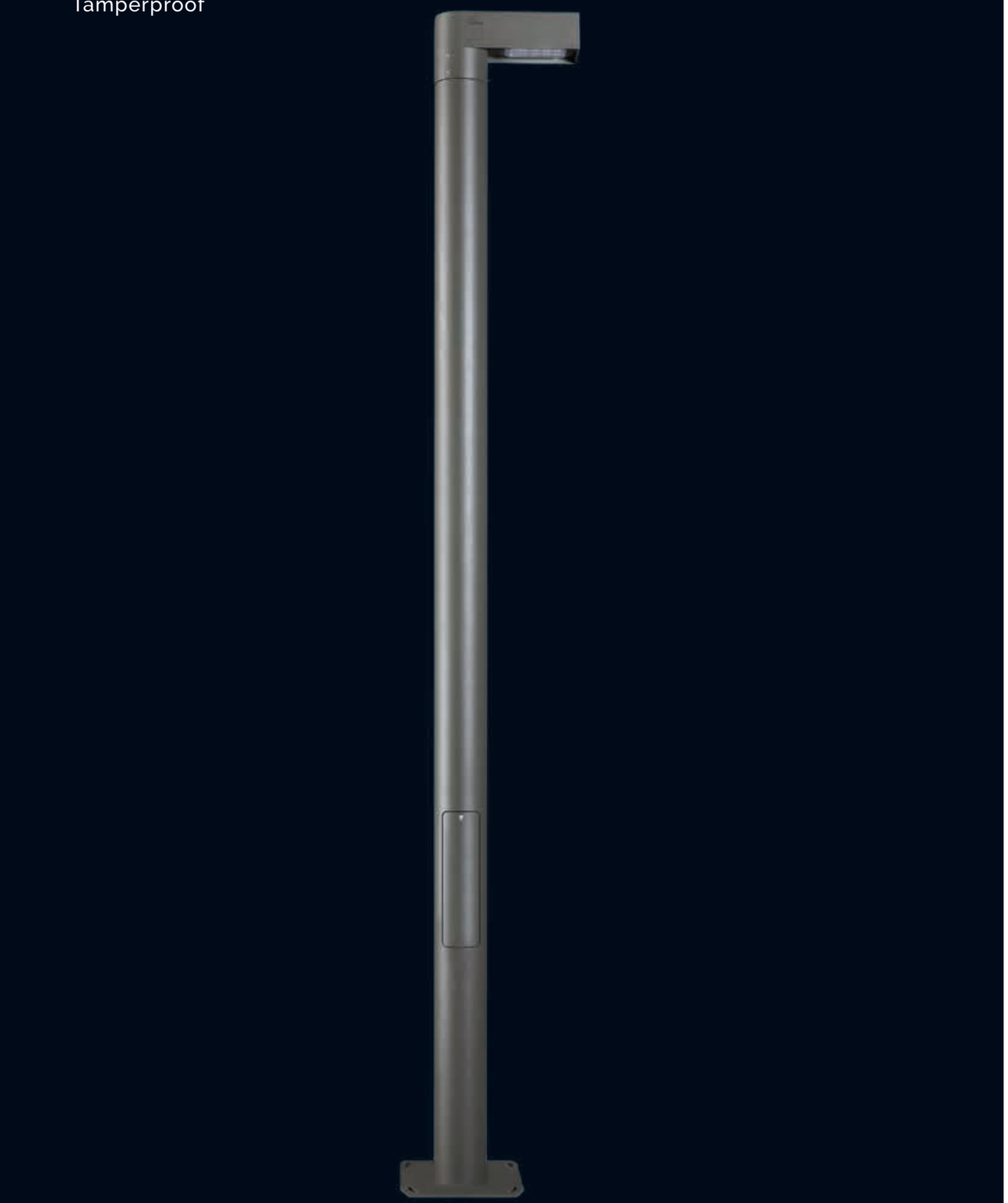
Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

School of the Cimes, l'Alpe-d'Huez (France).
Customer & prime contractor: City of l'Alpe-d'Huez.
Installer: S.E.B. (Signalisation Éclairage de Belledonne). © FLUX

Dance school & university, Poitiers (France).
Customer: University of Poitiers. Prime contractor: DL INFRA.
Design office: DL INFRA & city of Poitiers. Installer: CITEOS.
Architect: ARTE CHARPENTIER. © FLUX

LINEO NANO column & LINEO NANO

Tamperproof



LINEO NANO column & LINEO NANO

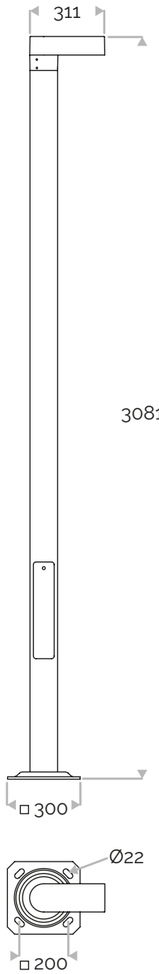
Tamperproof

Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver = non-proprietary, interchangeable.

LINEO NANO COLUMN
(mm)



Tamperproof LED bollard,glare-free, suitable for persons with reduced mobility.

PRM: spacing of bollards up to 10 m.

Zhaga LED module.

Zhaga DALI driver integrated.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable of 150 cm(p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Extruded aluminium tube, thickness 6 mm. Decorative base plate.

Position of the inspection hatch on left or right, opened with 2 tamper-proof "snake-eye" screws.

LINEO NANO column weight : 34 kg.
LINEO NANO weight : 3.8 kg.

LINEO NANO column windage: 0.383 m^2
LINEO NANO windage: 0.041 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Walk

Zhaga

IP66 | IK10+ | DALI | PMR

Lifetime: 100,000 hours L80 B10

W Warm white 3000K

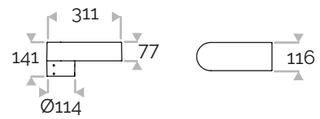
W Warm white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
2157	132	16

LINEO NANO
(mm)

Spigot: Ø76 H80
For flush look, use a Ø114 pole



LINEO bollard

Glare-free, tamperproof & suitable for persons with reduced mobility

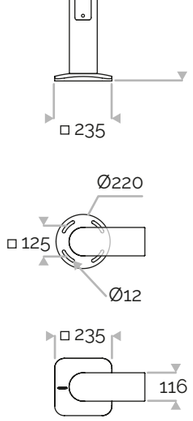
LINEO bollard

Glare-free, tamperproof & suitable for persons with reduced mobility

Zhaga*

*Zhaga : LED module, driver = non-proprietary, interchangeable.

LINEO BOLLARD
(mm)



Tamperproof LED bollard,glare-free, suitable for persons with reduced mobility.

PRM: spacing of bollards up to 10 m.

Zhaga LED module.

Zhaga DALI driver integrated.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable of 150 cm(p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Extruded aluminium tube, thickness 6 mm. Decorative base plate.

Position of the inspection hatch on left or right, opened with 2 tamper-proof "snake-eye" screws.

Weight: 15 kg.

Windage: 0.15 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Walk

Zhaga

IP66 | IK10+ | DALI | PMR

Lifetime: 100,000 hours L80 B10

W Warm white 3000K

W Warm white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
1644	144	11

Pedestrian path & Larzac bridge, Millau (France). Customer: City of Millau. © FLUX

Montessuy Pasteur Îlot Ouest, Caluire-et-Cuire (France).
Customer: City of Caluire-et-Cuire. Prime contractor: Sitétudes. © FLUX

XTO SQUARE

Pole-mounted

XTO SQUARE

Pole-mounted

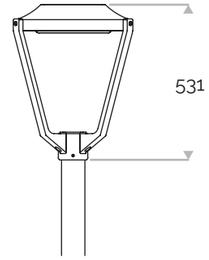
Zhaga*

FLUX LIGHTING

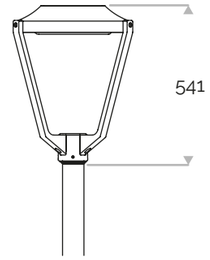
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

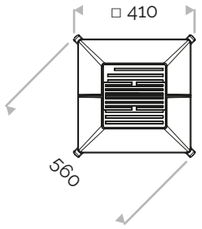
XTO SQUARE
Pole-mounted
(mm)

Spigot:
Ø76 H75mm



Spigot:
Ø60 H80mm





- LED street luminaire.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surge protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- Weight: 14.5 kg.
- Windage: 0.036 m^2.
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66 IK08 DALI

Lifetime: 100,000 hours L80 B10

- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

XTO CURVE

Pole-mounted

XTO CURVE

Pole-mounted

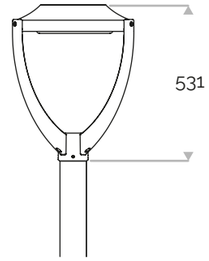
Zhaga*

FLUX LIGHTING

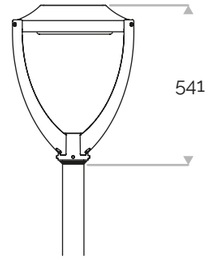
*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

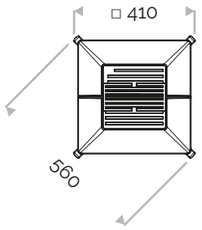
XTO CURVE
Pole-mounted
(mm)

Spigot:
Ø76 H75mm



Spigot:
Ø60 H80mm





- LED street luminaire.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surge protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- Weight: 15 kg.
- Windage: 0.036 m^2.
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66 IK08 DALI

Lifetime: 100,000 hours L80 B10

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

Domain of Camieta, Urrugne (France).
Prescribers: Christophe Jacques & Anton Iratchet Géomètres - Experts D.P.L.G. Associés. © FLUX

XTO SQUARE

Suspended

XTO SQUARE

Suspended

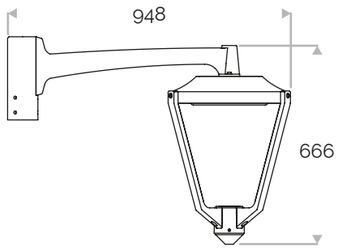
Zhaga*

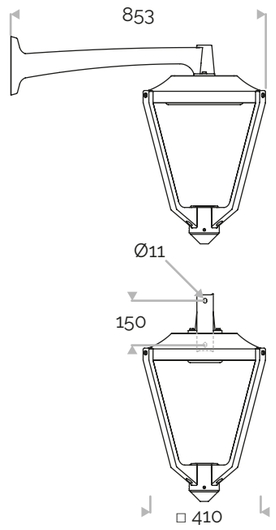
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

XTO SQUARE
Suspended
(mm)

Option: pole-mounting adapter
Spigot
Ø76 H160mm





- LED street luminaire.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surge protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- XTO SQUARE + bracket weight: 17.1 kg.
- Windage: 0.036 m².
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66 | IK08 | DALI

Lifetime: 100,000 hours L80 B10

- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

XTO CURVE

Suspended

XTO CURVE

Suspended

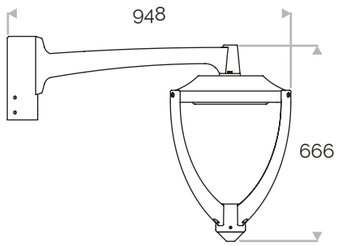
Zhaga*

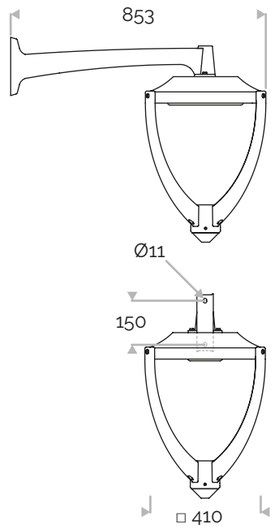
FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

XTO CURVE
Suspended
(mm)

Option: pole-mounting adapter
Spigot
Ø76 H160mm





- LED street luminaire.
- Zhaga LED module.
- Zhaga DALI driver integrated.
- Zhaga Book 18 connector in option.
- CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).
- ULOR = 0%, no upward light emission.
- Ultra-clear UV-resistant silicone lens, and no yellowing.
- Class I, Class II optional.
- Built-in lightning and surface protection 10 kV.
- Delivered with a cable (p. 257).
- Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.
- Integrated heat sink. Easy opening system using hinges.
- Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.
- XTO CURVE + bracket weight: 17.6 kg.
- Windage: 0.036 m².
- Maintenance: interchangeable LED module.
- 5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66 | IK08 | DALI

Lifetime: 100,000 hours L80 B10

- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

XTO FLAT

Suspended

XTO FLAT

Suspended

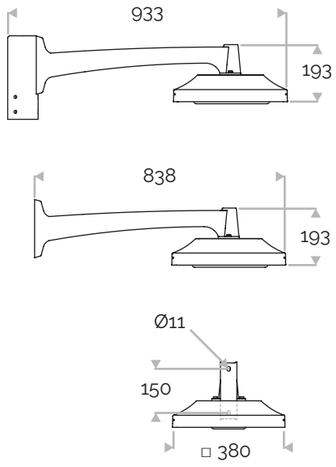
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

XTO FLAT
Suspended
(mm)

Option: pole-mounting adapter
Spigot
Ø76 H160mm



LED street luminaire.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

XTO FLAT + bracket weight: 14.1 kg.

Windage: 0.006 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66

IK08

DALI

Lifetime: 100,000 hours L80 B10

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

Domain of Camieta, Urrugne (France).
Prescribers : Christophe Jacques & Anton Iratchet Géomètres - Experts D.P.L.G. Associés. © FLUX

City centre, Berre-l'Etang (France). Customer: City of Berre-l'Etang.
Design office: D'ENCO. Installer: TESTONI & ECOTEC © FLUX

XTO SQUARE

Catenary

XTO SQUARE

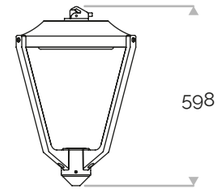
Catenary

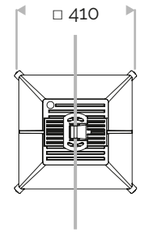
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

XTO SQUARE
Catenary
(mm)





LED street luminaire.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Weight: 14.5 kg.

Windage: 0.036 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66

IK08

DALI

Lifetime: 100,000 hours L80 B10

W Warm white 2700K

W Warm white 3000K

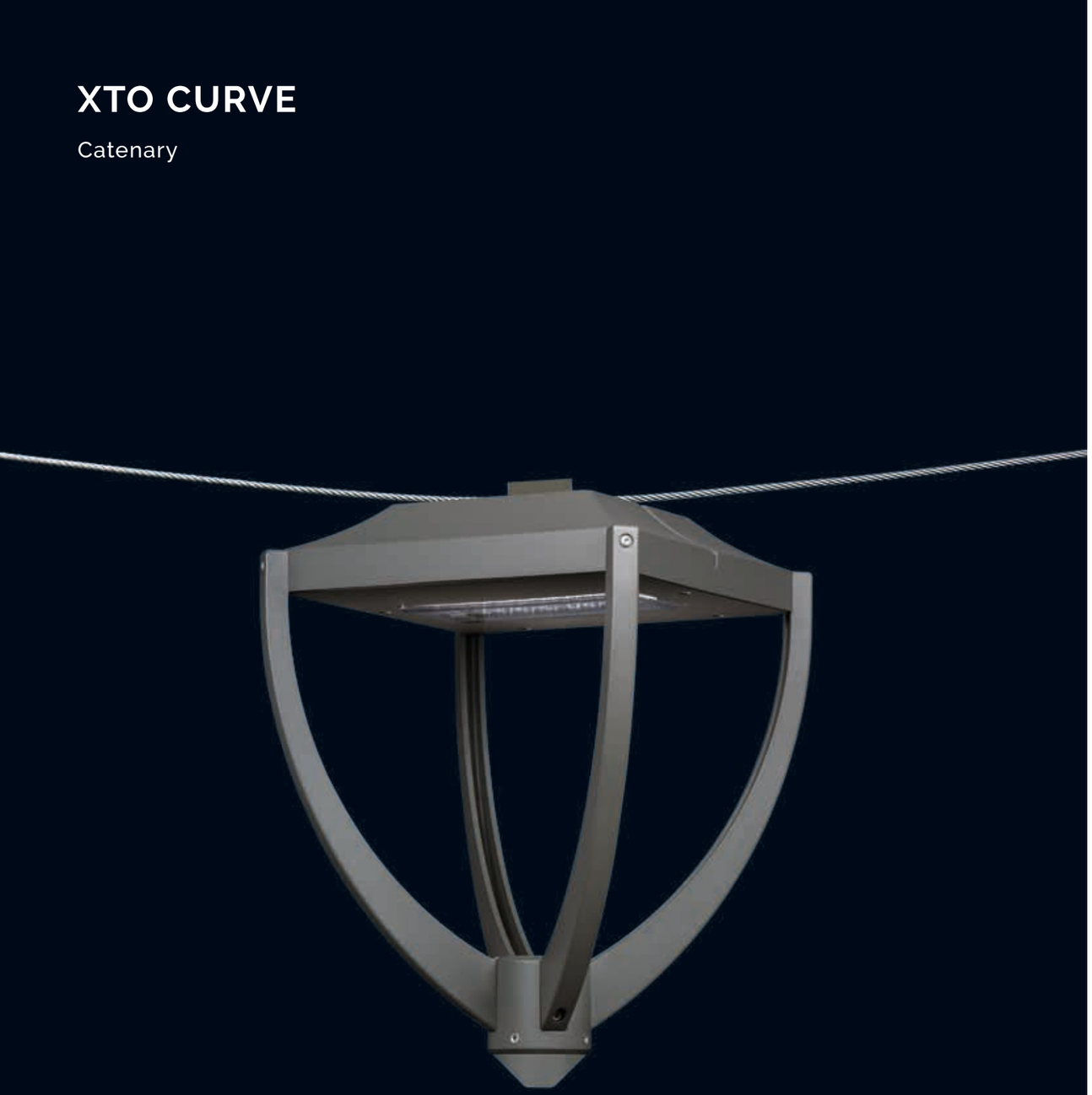
W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

XTO CURVE

Catenary



XTO CURVE

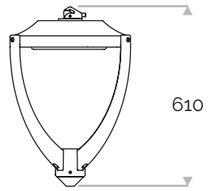
Catenary

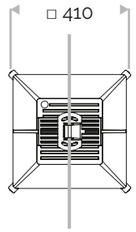
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

XTO CURVE
Catenary
(mm)





LED street luminaire.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Weight: 15 kg.

Windage: 0.036 m^2.

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66

IK08

DALI

Lifetime: 100,000 hours L80 B10

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

XTO FLAT

Catenary

XTO FLAT

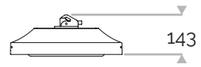
Catenary

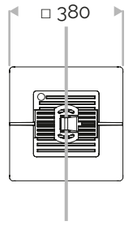
Zhaga*

FLUX LIGHTING

*Zhaga : LED module, driver & connector = non-proprietary, interchangeable.

XTO FLAT
Catenary
(mm)





LED street luminaire.

Zhaga LED module.

Zhaga DALI driver integrated.

Zhaga Book 18 connector in option.

CLO (constant light output), AstroDIM, MainsDIM, StepDIM (p.134 to 137).

ULOR = 0%, no upward light emission.

Ultra-clear UV-resistant silicone lens, and no yellowing.

Class I, Class II optional.

Built-in lightning and surge protection 10 kV.

Delivered with a cable (p. 257).

Die-cast aluminium luminaire, with anti-corrosion treatment prior to polyester powder coating.

Integrated heat sink. Easy opening system using hinges.

Captive stainless steel fasteners with Delta Seal® galvanic tamperproof treatment.

Weight: 11.5 kg.

Windage: 0.006 m².

Maintenance: interchangeable LED module.

5-year warranty (see FLUX conditions).

Street

Asymmetric

Park

Street Walk

Asymmetric Walk

Zhaga

IP66

IK08

DALI

Lifetime: 100,000 hours L80 B10

W Warm white 2700K

W Warm white 3000K

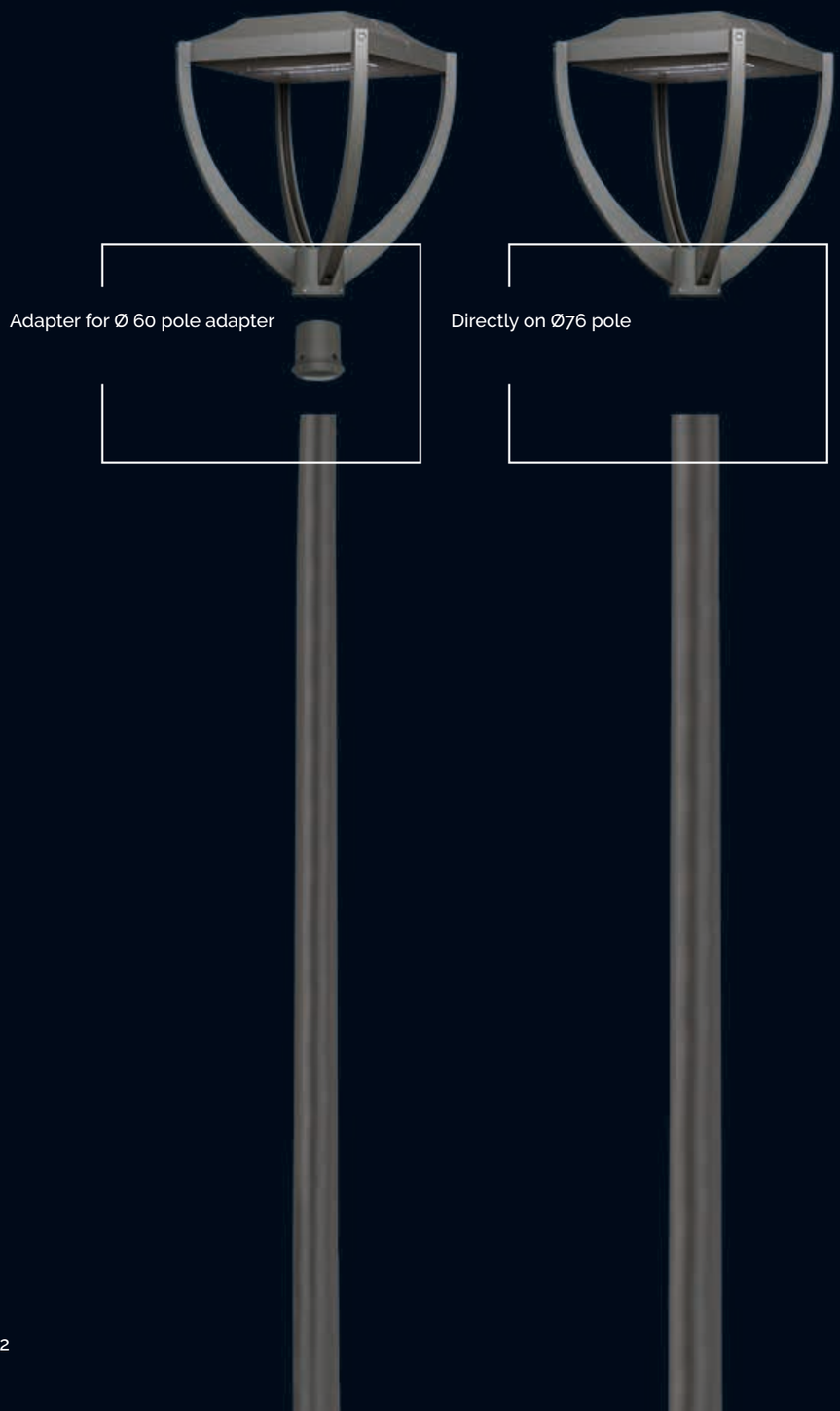
W Neutral white 4000K

Efficiency at 3000K

Flux (lm)	lm / W	W
4692	Up to 148	32
6849		48
9342		63

Rue de la République, Albertville (France). Customer: SIARA - City of Albertville.
Prime contractor: MONTMASSON / ARTELIA / ALLIMANT Paysages & Urbanisme.
Installer: Bouygues Energies & Services. © FLUX

Optional accessories



Optional: Transparent or coloured PMMA end piece with filter.
Passive light effect without additional consumption.

Lighting management

Luminaire driver

Electronic power supplies designed to reduce energy costs using built-in functions, and to reduce maintenance costs thanks to a lifetime of 100,000 hours with a minimum 90% survival rate (for a Tcase from 67° C at ambient temperature of 30° C max., Tcase measured in the luminaire: 43° C at 25° C Ta), with built-in protection against lightning and surges, 8 kV/6 kV.

- Configurable par logiciel. Software-configurable.
- POWER FACTOR > 0.95.
- Available in Class I & Class II.
- Standards: CE, ENEC, VDE-EMC.

DALI integrated lighting management

Integrated Dali

The DALI protocol between a controller and the luminaires allows optimum management of lighting through a bus (2-wire) called the DALI line.
On, off and dimming are controlled via this line.
Can be reprogrammed at the base of the pole.

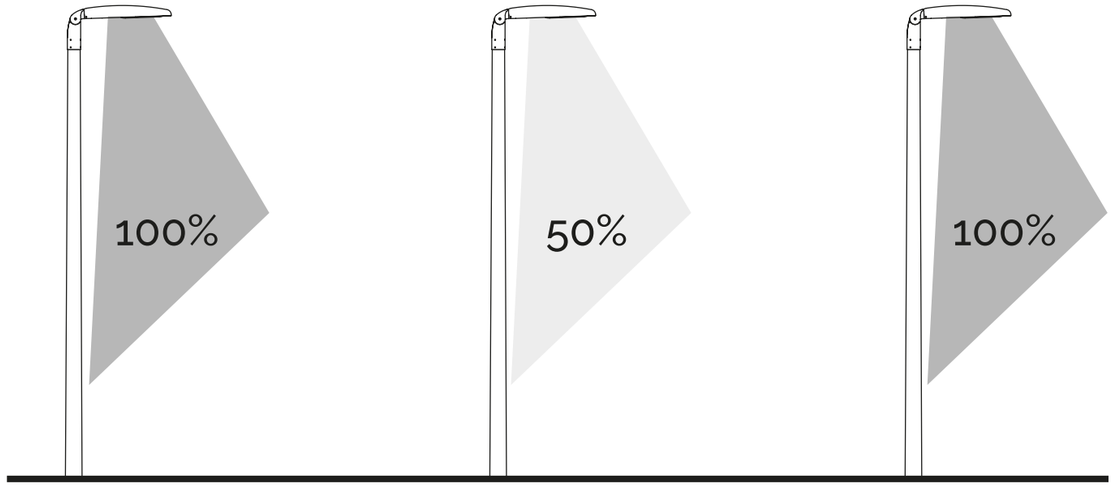
Public lighting

DALI drivers are fitted as standard in our street luminaires; the DALI can be connected to a centralised management system to benefit from feedback.

“AstroDIM”

Autonomous dimming

FLUX LIGHTING



Illumination at 100%
from 5 PM to 11 PM

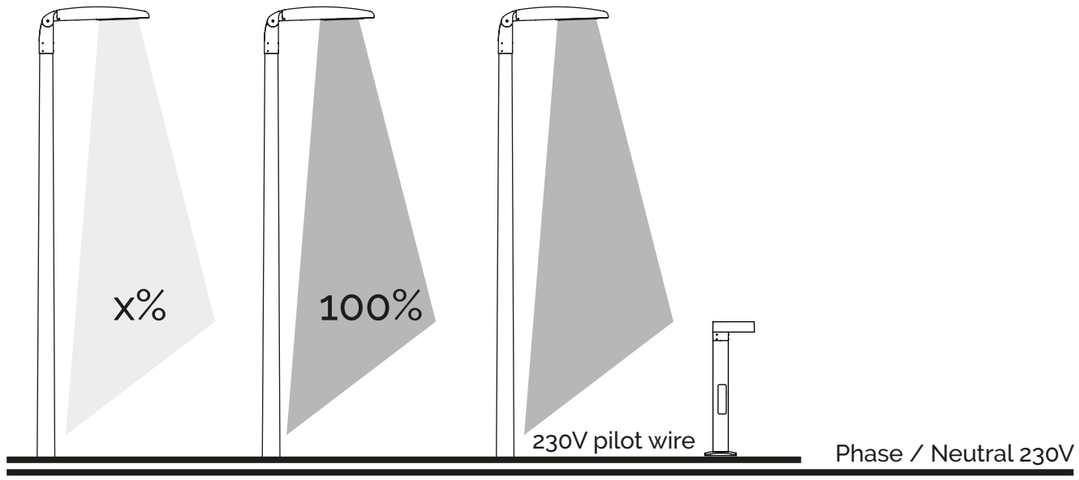
Illumination at 50%
from 11 PM to 5.30 AM

Illumination at 100%
from 5.30 AM to 8 AM

Autonomous dimming system with up to 5 different brightness thresholds. Energy savings without a costly system. Example: 100% brightness from 5 PM to 11 PM, 50% brightness from 11 PM to 5.30 AM, 100% brightness from 5.30 AM to 8 AM.

“StepDIM”

Phase control dimming



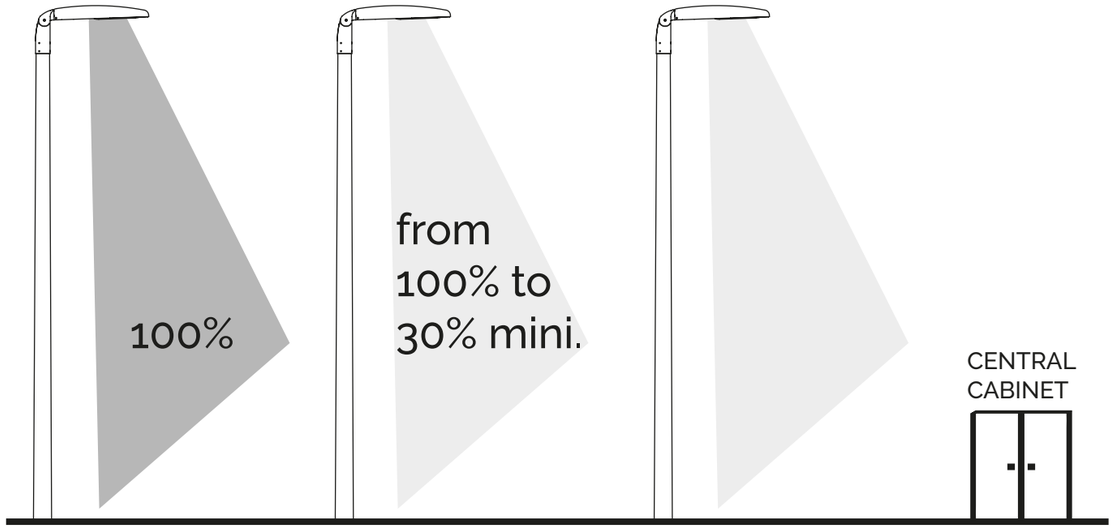
X = programming values from 0 to 100%

2 brightness thresholds set by a pilot wire depending on the presence or absence of 230 V power on this wire. Presence of this voltage can be managed by means of a presence detector, a dry contact, etc. Example: if 230 V is present on the pilot wire: 100% illumination or 230 V power cut on the pilot wire: 50% illumination.

“MainsDIM”

Network voltage dimming

FLUX LIGHTING



PHASE / NEUTRAL 230V to 170V = 100% to 30% minimum

Solution that controls the brightness of the LEDs according to the voltage of the PL (public lighting) network.

Standard configuration:

- Network voltage at 220 V > 100%
- Network voltage at 170 V > 70% dimming

Up to 70% savings! Controlled from the central cabinet.

Linear

X-LINE NANO
P. 140-145

X-LINE MINI
P. 146-151

X-LINE³
P. 152-161

X-LINE⁴ RGBW
P. 162-169

X-LINE UP²
P. 170-177

X-LINE NANO

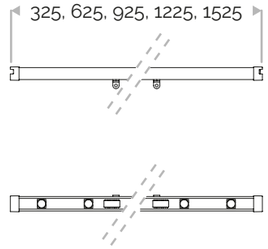
Mini monochrome LED linear luminaire

X-LINE NANO

Mini monochrome LED linear luminaire

FLUX LIGHTING

X-LINE NANO
(mm)



IP66 LED linear luminaire for outdoor lighting.

X-LINE NANO fixed version, 24 V. Option Connect System: 24 V IP66 connectors.

X-LINE NANO dimmable version with PILOTBOX 24 V.

24 V power supply p.143.

Delivered with a cable of 150 cm (p. 257).

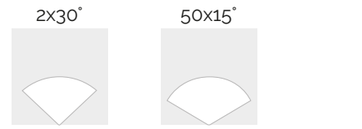
Ultra-compact profile in plain anodized aluminium. Semi-rigid polyurethane resin coating that absorbs thermal expansion and is dielectric, watertight, solvent-free and halogen-free.

Mounting on 2 anodized aluminium brackets.

Delta Seal® treated stainless steel screws.

Weight:
325mm: 0.25 Kg
625mm: 0.47 Kg
925mm: 0.7 Kg
1225mm: 0.9 Kg
1525mm: 1.15 Kg

5-year warranty (see FLUX conditions).



IP66 | IK06 | Class III | DMX | DALI

Lifetime: 60,000 hours L80 B10

W W W W R G B A

Efficiency at 4000K

Lg. (mm)	Flux (lm)	lm / W	W
325	242	121	3
625	484		6
925	726		9
1225	968		12
1525	1210		15

Accessory

Glare shield dimensions & weight:

L. 325mm H. 40mm 98g
L. 625mm H. 40mm 175g
L. 925mm H. 40mm 250g
L. 1225mm H. 40mm 326g
L. 1525mm H. 40mm 403g

Accessory in raw aluminium, and RAL paint to be defined.

Number of X-LINE NANO per power supply

FLUX LIGHTING

		24V FIXED LED POWER SUPPLY IP20 + PILOTBOX 24V IP20 (in option)					CONTROLLED POWER SUPPLY 24V IP65
W W W R G B A		25W	40W	60W	100W	150W	100W
L. 325mm	3W	6	10	16	26	40	26
L. 625mm	6W	3	5	8	13	20	13
L. 925mm	9W	2	3	5	8	13	8
L. 1225mm	12W	1	2	4	6	10	6
L. 1525mm	15W	1	2	3	5	8	5

Caution: the quantities of products mentioned do not take into account the total cable length of the installation.
This may reduce the number of products.
All our power supplies are equipped with 10 kV/5 kA surge protection.

Marc Seguin walkway, Tain-l'Hermitage & Tournon-Sur-Rhône (France). Customer: SED. © FLUX

X-LINE MINI

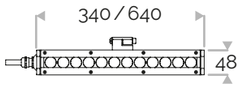
Monochrome / RGB MIX & WHITE MIX

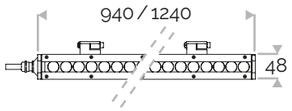
X-LINE MINI

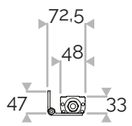
Monochrome / RGB MIX & WHITE MIX

FLUX LIGHTING

X-LINE MINI
(mm)







LED high-power luminaire IP66 for outdoor lighting.

X-LINE MINI monochrome version, RGB MIX or WHITE MIX.

Power supplies and PILOTBOX p.149.

Delivered with a cable of 150 cm (p. 257).

Plain anodized aluminium profile. Clear PMMA. Silicone gasket.

Delta Seal® treated stainless steel fasteners.

Weight:
340mm: 0,75 Kg.
640mm: 1,4 Kg.
940mm: 2 Kg.
1240mm: 2,5 Kg.

5-year warranty (see FLUX conditions).

2x5°

2x10°

2x15°

2x22.5°

47x8°

IP66 | IK07 | Class III

Lifetime: 60,000 hours L80 B10

W W W R G B A

RGB MIX | WHITE MIX

Efficiency at 4000K

Lg. (mm)	Flux (lm)	lm / W	W
340	1242	102	12
640	2484		24
940	3726		36
1240	4968		48

Accessory

Glare shield dimensions & weight:

L. 340mm H. 75mm 200g
L. 640mm H. 75mm 390g
L. 940mm H. 75mm 570g
L. 1240mm H. 75mm 760g

Accessory in raw aluminium, and RAL paint to be defined.

Number of X-LINE MINI per power supply

FLUX LIGHTING

		FIXED POWER SUPPLY				FIXED POWER SUPPLY IP67 + PILOTBOX IP20			CONTROLLED POWER SUPPLY IP65
W W W R G B A RGB MIX WHITE MIX		36W	52W	100W	150W	40W	60W	100W	100W
L. 340mm	15W	2	3	6	9	2	3	6	6
L. 640mm	29W	1	/	3	4	1	1	3	3
L. 940mm	44W	/	1	2	3	/	1	2	2
L. 1240mm	58W	/	/	1	2	/	/	1	1

Caution: the quantities of products mentioned do not take into account the total cable length of the installation.
This may reduce the number of products.
All our power supplies are equipped with 10 kV/5 kA surge protection.

Castle of Saint-Priest (France). Customer: City of Saint-Priest.
Design office & installer: SPIE Citynetworks. © FLUX

X-LINE³

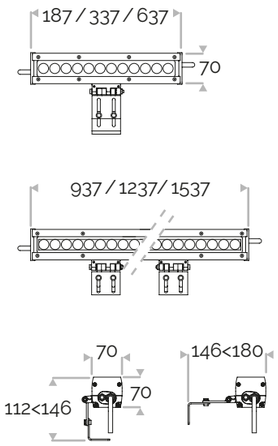
Integrated DMX power supply / Monochrome / RGB MIX & WHITE MIX

X-LINE³

Integrated DMX power supply / Monochrome / RGB MIX & WHITE MIX

FLUX LIGHTING

X-LINE³
(mm)



IP66 LED high-power luminaire for outdoor lighting.

X-LINE³ fixed monochrome version.

X-LINE³ DMX monochrome version, RGB MIX or WHITE MIX controllable & dimmable with CONNECT SYSTEM DMX / 230V

X-LINE³ DALI version without CONNECT SYSTEM.

Integrated power supply.

Built-in 10 kV / 5 kA surge protection.

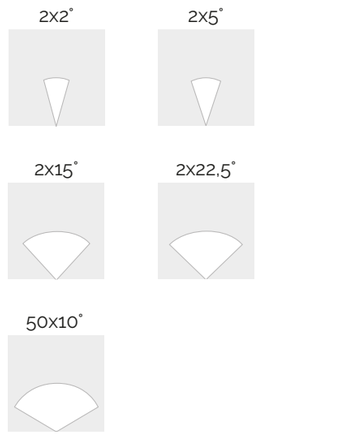
Delivered with a cable of 150 cm, except CONNECT SYSTEM. (p.155 & p.257).

Plain anodized aluminium profile. Clear PMMA. Silicone gasket.

Delta Seal® treated stainless steel fasteners.

Weight:
187mm: 0,9 Kg.
337mm: 1,5 Kg.
637mm: 2,5 Kg.
937mm: 3,5 Kg.
1237mm: 5 Kg.
1537mm: 6 Kg.

5-year warranty (see FLUX conditions).



IP66 | IK06 | Classe I | DMX | DALI

Lifetime: 60,000 hours L80 B10

Efficiency at 4000K

Lg. (mm)	Flux (lm)	lm / W	W
187	621	102	6
337	1242		12
637	2484		24
937	3726		36
1237	4968		48
1537	6210		60

Accessory

Glare shield dimensions & weight:

L. 187mm H. 75mm 180g
L. 337mm H. 75mm 310g
L. 637mm H. 75mm 600g
L. 937mm H. 75mm 880g
L. 1237mm H. 75mm 1170g
L. 1537mm H. 75mm 1400g

Accessory in raw aluminium, and RAL paint to be defined.

X-LINE³

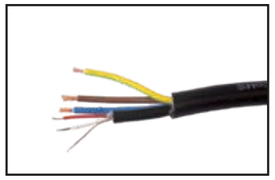
DMX CONNECT SYSTEM

FLUX LIGHTING

Delivered with a cable of 50 cm.

"CLIC !"

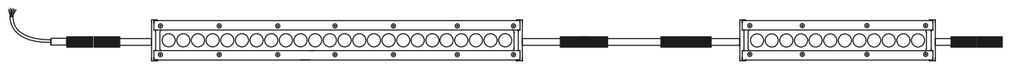
230V / DMX
input cable
XLR plug 3 points



IP68 DMX / 230V
waterproof male and
female connectors

IP68 extensions
1m / 2,5m / 5m / 10m
ask us for longer than 10 m

DMX IP68 terminal



Maximum 10A and/or 25 devices per line

Shopping centre Porte Des Alpes, Saint-Priest (France).
Architect: ARTE CHARPENTIER. Design office: EGIS Lyon. © FLUX

The Princess Theatre, Melbourne (Australie).
Customer: Marriner Group. Architect: Lovell Chen Architects.
Installer: Marriner Group.
© Jackie Chan

Bridge, Villeurbanne & Bron (France). Customer: City of Villeurbanne & City of Bron.
Lighting design: L'ITEC Lumière. © FLUX

X-LINE 4 RGBW

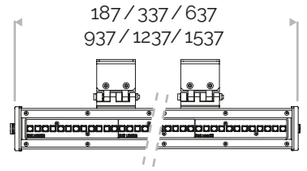
Integrated DMX power supply

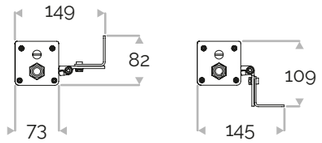
X-LINE 4 RGBW

Integrated DMX power supply

FLUX LIGHTING

X-LINE 4 RGBW
(mm)





230 VAC luminaire for outdoor lighting.

X-LINE4 DMX en monochrome or RGBW version.

CONNECT SYSTEM connection: for reliable and fast installation.

Integrated power supply.

Built-in 10 kV/5 kA surge protection.

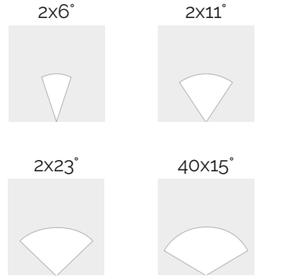
Delivered with a CONNECT SYSTEM cable of 50 cm (p.165).

Plain anodized aluminium profile. Clear PMMA. Silicone gasket.

Delta Seal® treated stainless steel fasteners.

Weight:
187mm : 0,9 Kg.
337mm : 1,5 Kg.
637mm : 2,5 Kg.
937mm : 3,5 Kg.
1237mm : 5 Kg.
1537mm : 6 Kg.

5-year warranty (see FLUX conditions).



IP66 | IK06 | Class I | DMX

Lifetime: 60,000 hours L80 B10

Accessory

Glare shield dimensions & weight:

L. 187mm H. 75mm 180g
L. 337mm H. 75mm 310g
L. 637mm H. 75mm 600g
L. 937mm H. 75mm 880g
L. 1237mm H. 75mm 1170g
L. 1537mm H. 75mm 1400g

Accessory in raw aluminium, and RAL paint to be defined.

X-LINE 4 RGBW

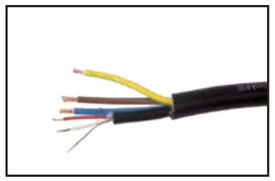
DMX CONNECT SYSTEM

FLUX LIGHTING

Delivered with a cable of 50 cm.

"CLIC !"

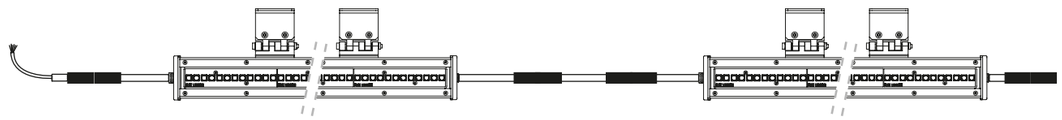
230V / DMX
input cable
XLR plug 3 points



IP68 DMX / 230V
waterproof male and
female connectors

IP68 extensions
1m / 2,5m / 5m / 10m
ask us for longer than 10 m

DMX IP68 terminal



Maximum 10A and/or 25 devices per line

Beatus Rhenanus bridge, Strasbourg / Kehl (France / Germany).
Customer: Compagnie des Transports Strasbourgeois. Architect: Marc Barani.
Design office: INGELUX. Installer: Clemessy Strasbourg. © FLUX

SACVL towers of Belvedere, Lyon (France). Agence Jacky Suchail Architectes. Customer: SACVL.
Prime contractor & design office: COBALT. Installer: YSO ELECTRIQUE. © Laetitia Payet

X-LINE UP²

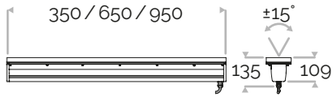
Inground adjustable lighting / Monochrome, RGB MIX & WHITE MIX

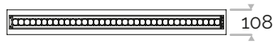
X-LINE UP²

Inground adjustable lighting / Monochrome, RGB MIX & WHITE MIX

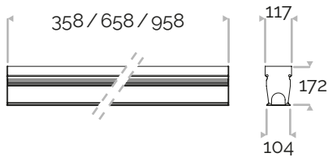
FLUX LIGHTING

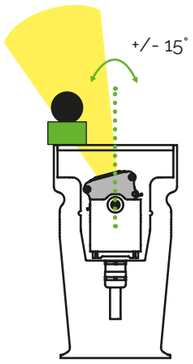
X-LINE UP²
(mm)





BLOCKOUT
(mm)





Externally adjustable with 2 magnets (supplied)

Inground luminaire (not suitable for walls and roads), adjustable power LED for outdoor lighting or architectural lighting.

X-LINE UP² fixed monochrome version.

X-LINE³ DMX monochrome version, RGB MIX or WHITE MIX controllable & dimmable with CONNECT SYSTEM DMX / 230V

X-LINE³ DALI version without CONNECT SYSTEM.

Built-in 10 kV/5 kA surge protection.

Integrated power supply.

Delivered with a cable of 150 cm, except CONNECT SYSTEM. (p.173 & p.257).

Supplied with blockout (thickness 5 mm) in Surtec 650 treated and painted aluminium.

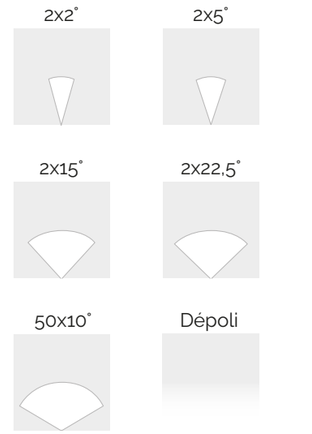
304 stainless steel frame. Body in painted aluminium. Glass (thickness 19 mm), clear or frosted.

Adjustable clear glass version +/- 15°.

This product requires GOOD DRAINAGE.

Weight:
350mm: 5,8 Kg.
650mm: 10,3 Kg.
950mm: 15 Kg.

5-year warranty (see FLUX conditions).



IP67 | IK10 | Class I | DMX | DALI

Lifetime: 60,000 hours L80 B10

W W W R G B A
RGB MIX WHITE MIX

Efficiency at 4000K

Lg. (mm)	Flux (lm)	lm / W	W
350	1242	102	12
650	2484		24
950	3726		36

X-LINE UP² accessories supplied

X-LINE UP²

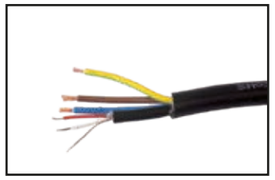
DMX CONNECT SYSTEM

FLUX LIGHTING

Delivered with a cable of 50 cm.

"CLIC !"

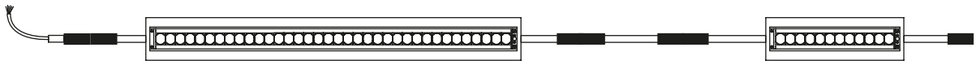
230V / DMX
input cable
XLR plug 3 points



IP68 DMX / 230V
waterproof male and
female connectors

IP68 extensions
1m / 2,5m / 5m / 10m
ask us for longer than 10 m

DMX IP68 terminal



Maximum 10A and/or 25 devices per line

City centre & town hall square, Semblançay (France).
Customer & prime contractor: SIEL. Lighting design: Kandela. Installer : Citeos. © FLUX

Hôtel Hainaut Métropole, Valenciennes (France). Customer: La Financière Vauban.
Architect: MAES Architectes Urbanistes. Installer: Bouygues Energies & Services. © FLUX

FLUX
LIGHTING

Floodlights

ELO

P. 180-191

POWERFLOOD 3 & 5

P. 192-201

POWERFLOOD 9 & 18

P. 202-227

ELO 1

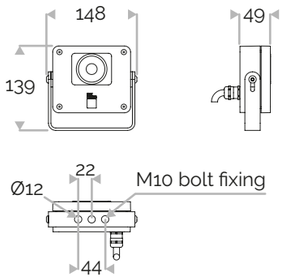
Monochrome

ELO 1

Monochrome

FLUX LIGHTING

ELO 1
(mm)



Accessory
Honeycomb louvre

1 LED monochrome floodlight, fixed 230V for outdoor lighting.

4 LED monochrome floodlight, fixed 230V for outdoor lighting.

In option, fixed CUSTOM COLOURS. Eg.: 3 LED red + 1 LED green per optic.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable of 150 cm (p. 257).

Cast aluminium, sandblasted RAL paint. Clear PMMA. Silicone gasket.

Stainless steel fasteners with Delta Seal®.

Weight: 1.1 Kg.

Windage: 0.018 m².

5-year warranty (see FLUX conditions).

2x3.7°

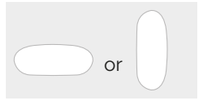
2x3.7° for LED white monochrome

2x5°

2x11°

2x17°

Oval lens



IP66 | IK06 | Class I

Lifetime: 60.000 hours L80 B10

- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K
- W Cold white 6500K
- R Red
- G Green
- B Blue
- A Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
597	139	4.3

ELO 2

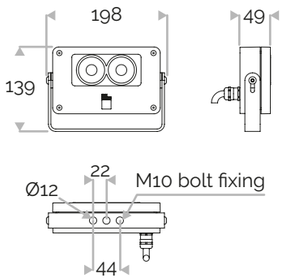
Monochrome

ELO 2

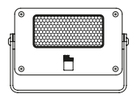
Monochrome

FLUX LIGHTING

ELO 2
(mm)



Accessory
Honeycomb louvre



2 LED monochrome floodlight, fixed 230V for outdoor lighting.

8 LED monochrome floodlight, fixed 230V for outdoor lighting.

In option, fixed CUSTOM COLOURS. Eg.: 3 LED red + 1 LED green per optic.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable of 150 cm (p. 257).

Cast aluminium, sandblasted RAL paint. Clear PMMA. Silicone gasket.

Stainless steel fasteners with Delta Seal®.

Weight: 1.3 Kg.
Windage: 0.025 m^2.

5-year warranty (see FLUX conditions).

2x3.7°

2x3.7° for LED white monochrome

2x5°

2x11°

2x17°

Oval lens

IP66 | IK06 | Class I

Lifetime: 60.000 hours L80 B10

- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K
- W Cold white 6500K
- R Red
- G Green
- B Blue
- A Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
1194	139	8.3

ELO 3

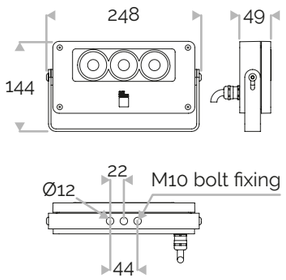
Monochrome

ELO 3

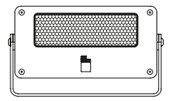
Monochrome

FLUX LIGHTING

ELO 3
(mm)



Accessory
Honeycomb louvre



3 LED monochrome floodlight, fixed 230V for outdoor lighting.

12 LED monochrome floodlight, fixed 230V for outdoor lighting.

In option, fixed CUSTOM COLOURS. Eg.: 3 LED red + 1 LED green per optic.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable of 150 cm (p. 257).

Cast aluminium, sandblasted RAL paint. Clear PMMA. Silicone gasket.

Stainless steel fasteners with Delta Seal®.

Weight: 1.6 Kg.
Windage: 0.034 m^2.

5-year warranty (see FLUX conditions).

2x3.7°

2x3.7° for LED white monochrome

2x5°

2x11°

2x17°

Oval lens

IP66 | IK06 | Class I

Lifetime: 60.000 hours L80 B10

- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K
- W Cold white 6500K
- R Red
- G Green
- B Blue
- A Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
1791	139	12.3

ELO 2 custom colours

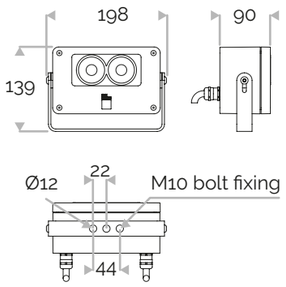
Choice of 4 colours

ELO 2 custom colours

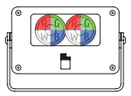
Choice of 4 colours

FLUX LIGHTING

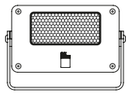
ELO 2
Custom colours
(mm)



Eg. RGBW version:



Accessory
Honeycomb louvre



Floodlight for outdoor lighting with 8 power LED.

ELO 2 CUSTOM COLOURS: choice of 4 colours.

ELO 2 DMX monochrome, RGBW with CONNECT SYSTEM.

ELO 2 DALI monochrome version without CONNECT SYSTEM.

Power supply integrated.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable of 150 cm, except CONNECT SYSTEM. (p.191 & p.257).

Cast aluminium, sandblasted RAL paint. Clear PMMA. Silicone gasket.

Stainless steel fasteners with Delta Seal®.

Weight: 2.1 Kg.
Windage: 0.025 m^2.

5-year warranty (see FLUX conditions).

2x5°

2x11°

2x17°

Oval lens

IP66 | IK06 | Class I

Lifetime: 60.000 hours L80 B10

Choice of 2 to 4 colours

Possible configurations:

RGBW (red, green, blue, warm white 3000K)

RGBW (red, green, blue, neutral white 4000K)

WHITE MIX (warm white, 2 neutral whites, cold white)

ELO 3 custom colours

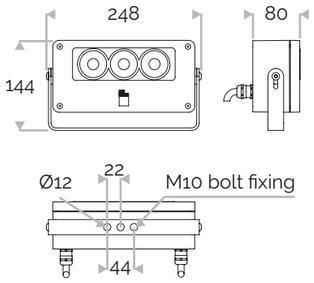
Choice of 4 colours

ELO 3 custom colours

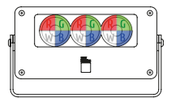
Choice of 4 colours

FLUX LIGHTING

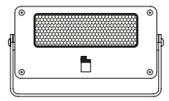
ELO 3
Custom colours
(mm)



Eg. RGBW version:



Accessory
Honeycomb louvre



Floodlight for outdoor lighting with 12 power LED.

ELO 3 CUSTOM COLOURS: choice of 4 colours.

ELO 3 DMX monochrome, RGBW with CONNECT SYSTEM.

ELO 3 DALI monochrome version without CONNECT SYSTEM.

Power supply integrated.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable of 150 cm, except CONNECT SYSTEM. (p.191 & p.257).

Cast aluminium, sandblasted RAL paint. Clear PMMA. Silicone gasket.

Stainless steel fasteners with Delta Seal®.

Weight: 2.4 Kg.
Windage: 0.034 m².

5-year warranty (see FLUX conditions).

2x5°

2x11°

2x17°

Oval lens

IP66

IK06

Class I

Lifetime: 60.000 hours L80 B10

Choice of 2 to 4 colours

Possible configurations:

RGBW (red, green, blue, warm white 3000K)

RGBW (red, green, blue, neutral white 4000K)

WHITE MIX (warm white, 2 neutral whites, cold white)

ELO 2 & 3 custom colours

DMX CONNECT SYSTEM

ELO 2 & 3 custom colours

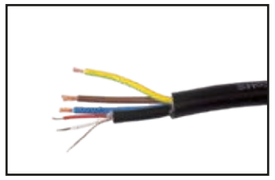
DMX CONNECT SYSTEM

FLUX LIGHTING

Delivered with a cable of 50 cm.

"CLIC !"

230V / DMX
input cable
XLR plug 3 points

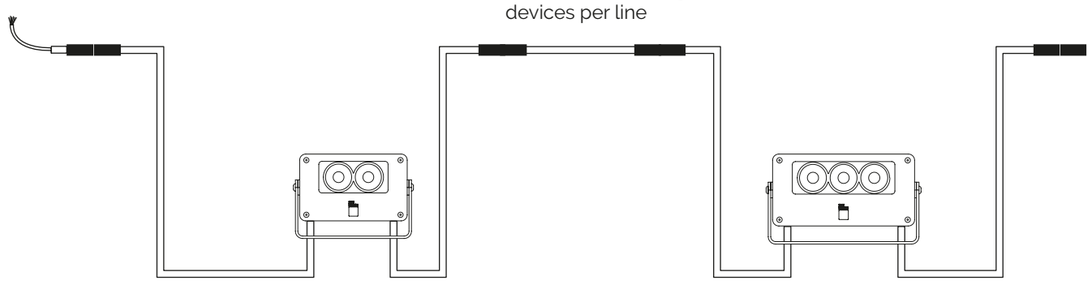


IP68 DMX / 230V
waterproof male and
female connectors

IP68 extensions
1m / 2,5m / 5m / 10m
ask us for longer than 10 m

DMX IP68 terminal

Maximum 10A and/or 25
devices per line



POWERFLOOD 3 & 5

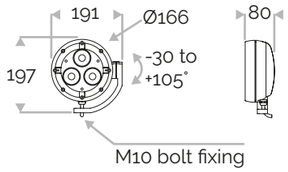
Monochrome

POWERFLOOD 3 & 5

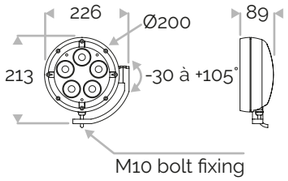
Monochrome

FLUX LIGHTING

POWERFLOOD 3
(mm)



POWERFLOOD 5
(mm)



3 & 5 power LED floodlights, 24 V monochrome for outdoor lighting.

Fixed version or DALI controlled version. Connection to a 24 V power supply (p. 195) or on 24V separate power supply (p. 196 to p. 197). Wiring (p. 254 to 255).

Delivered with a cable (p. 257).

Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

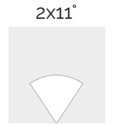
Weight:
POWERFLOOD 3 24V : 2.3 kg.
POWERFLOOD 5 24V : 3.3 Kg.

Windage:
POWERFLOOD 3 = 0.04m².
POWERFLOOD 5 = 0.06m².

5-year warranty (see FLUX conditions).

2x2° & 2x4° for LED monochrome : red, green, blue & amber.

2x3.7° & 2x5° for LED white monochrome.



IP66 | IK08 | Class III | Fixe | DALI

Lifetime: 60.000 hours L80 B10

W W W W

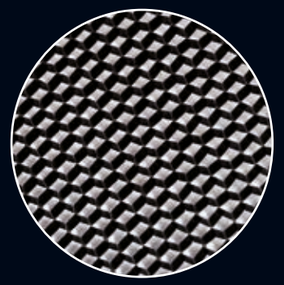
White 2700K, 3000K, 4000K et 6500K

R G B A

Red, green, blue & amber

Efficiency at 4000K

Flux (lm)	lm / W	W
1644	118	14
2740		23



Glare shield dimensions:
POWERFLOOD 3: L. 100 mm H. 93 mm
POWERFLOOD 5: L. 130 mm H. 110 mm
Glare shield (raw aluminium, RAL paint to be defined)

Honeycomb louvre
Elliptical lens

Number of POWERFLOOD 3 & 5 per power supply

FLUX LIGHTING

		24V IP67 FIXED POWER SUPPLY + PILOTBOX in option				
W W W		25W	40W	60W	100W	150W
3 LED	14W	1	2	3	5	8
5 LED	23W	/	1	1	3	4

		24V IP67 FIXED POWER SUPPLY + PILOTBOX in option				
G B		25W	40W	60W	100W	150W
3 LED	7W	2	4	6	10	16
5 LED	11W	1	2	3	6	9

		24V IP67 FIXED POWER SUPPLY + PILOTBOX in option				
R A		25W	40W	60W	100W	150W
3 LED	5W	3	5	8	13	20
5 LED	8W	2	3	5	8	12

Caution: the quantities of products mentioned do not take into account the total cable length of the installation.
This may reduce the number of products.
All our power supplies are equipped with 10 kV/5 kA surge protection.

24V power supply box

Fixed or DALI

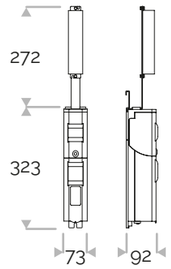
24V power supply box

Fixed or DALI

FLUX LIGHTING

24V POWER SUPPLY BOX
Fixed or DALI

(mm)



Remote power supply for POWERFLOOD 3 & 5 - 24 V 40 W, 60 W, 100 W or 150 W, installed on pole.

Built-in 10 kV / 5 kA surge protection.

Fuse holder switch.

Ground cable with lug.

Plastic case.

5-year warranty (see FLUX conditions).

IP44

Class I

24V 40W power supply version
24V 60W power supply version
24V 100W power supply version
24V 150W power supply version

Tubular Twilight, Pont Hans Wilsdorf, Geneva (Switzerland). Customers: Fondation Hans Wilsdorf.
Lighting designer: François Gschwind. Architects: Brodbeck-Roulet. © FLUX

ZAC des Girondins, Lyon (France). Customer: City of Lyon.
Project management: Les Eclaireurs Lyon. Installer: Bouygues Energie Services. © FLUX

POWERFLOOD 9

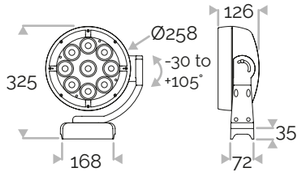
Monochrome

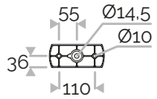
POWERFLOOD 9

Monochrome

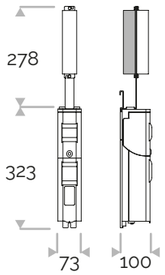
FLUX LIGHTING

POWERFLOOD 9
(mm)





POWER SUPPLY BOX
Fixed or DALI
(mm)



Monochrome power LED floodlight for outdoor lighting.

POWERFLOOD 9 LED in white and 36 LED in colour.

With mounting base, separate fixed power supply (see p. 206 to p.207).

Separate power supply box with integrated 10 kV / 5 kA protection for pole.

Delivered with a cable (p. 257).

Concealed cable.

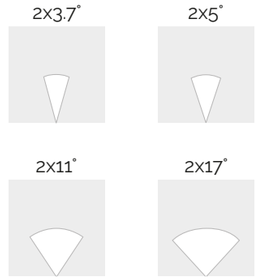
Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

Weight: 8 kg.

Windage: 0.09m².

5-year warranty (see FLUX conditions).



IP66 | IK10 | Class III | DALI

Lifetime: 60.000 hours L80 B10

- Warm white 2700K
- Warm white 3000K
- Neutral white 4000K
- Cold white 6500K
- Red
- Green
- Blue
- Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
5370	139	39

POWERFLOOD 18

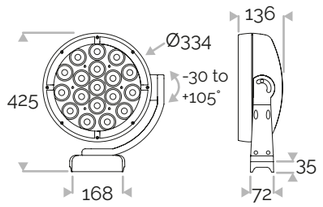
Monochrome

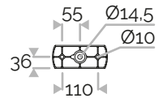
POWERFLOOD 18

Monochrome

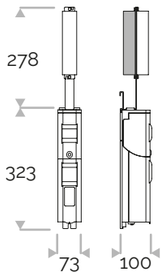
FLUX LIGHTING

POWERFLOOD 18
(mm)





POWER SUPPLY BOX
Fixed or DALI
(mm)



Monochrome power LED floodlight for outdoor lighting.

POWERFLOOD 18 LED in white and 72 LED in colour.

With mounting base, separate fixed power supply (see p. 206 to p.207).

Separate power supply box with integrated 10 kV / 5 kA protection for pole.

Delivered with a cable (p. 257).

Concealed cable.

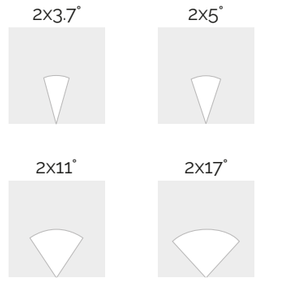
Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

Weight: 13 kg.

Windage: 0.15m².

5-year warranty (see FLUX conditions).



IP66	IK10	Class III	DALI

Lifetime: 60.000 hours L80 B10

- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K
- W Cold white 6500K
- R Red
- G Green
- B Blue
- A Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
10750	139	77

Power supply box

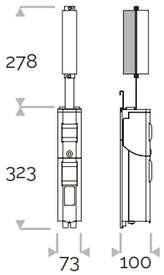
Fixed or DALI

Power supply box

Fixed or DALI

FLUX LIGHTING

POWER SUPPLY BOX
Fixed or DALI
(mm)



Remote power supply for POWERFLOOD 9 & 18, installed on pole.

Option: integrated auto-dimming control, up to 5 thresholds max.

Built-in 10 kV / 5 kA surge protection.

Fuse holder switch.

Ground cable with lug.

Plastic case.

5-year warranty (see FLUX conditions).

IP44

Class I

52W single or dual power supply version

85W single or dual power supply version

75W single or dual DALI power supply version

100W single or dual DALI power supply version

POWERFLOOD 9

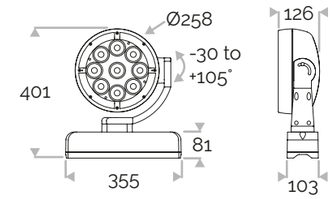
Integrated fixed power supply / Monochrome

POWERFLOOD 9

Integrated fixed power supply / Monochrome

FLUX LIGHTING

POWERFLOOD 9
(mm)



Monochrome power LED floodlight for outdoor lighting.

POWERFLOOD 9 LED in white and 36 LED in colour.

With mounting base, integrated fixed power supply.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable (p. 257).

Concealed cable.

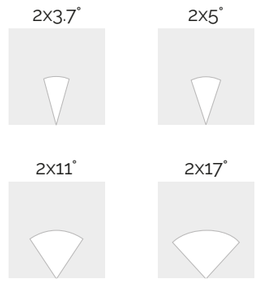
Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

Weight: 11 kg.

Windage: 0.1m².

5-year warranty (see FLUX conditions).



IP66 | IK10 | Class III

Lifetime: 60.000 hours L80 B10

- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K
- W Cold white 6500K
- R Red
- G Green
- B Blue
- A Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
5370	139	39

POWERFLOOD 18

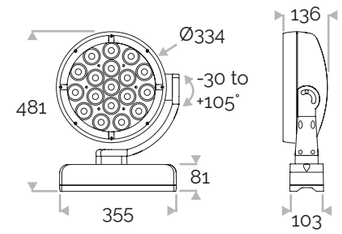
Integrated fixed power supply / Monochrome

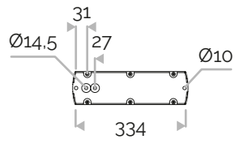
POWERFLOOD 18

Integrated fixed power supply / Monochrome

FLUX LIGHTING

POWERFLOOD 18
(mm)





Monochrome power LED floodlight for outdoor lighting.

POWERFLOOD 18 LED in white and 72 LED in colour.

With mounting base, integrated fixed power supply.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable (p. 257).

Concealed cable.

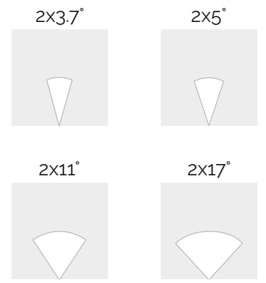
Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

Weight: 16 kg.

Windage: 0.15m².

5-year warranty (see FLUX conditions).



IP66 IK10 Class III

Lifetime: 60.000 hours L80 B10

- W Warm white 2700K
- W Warm white 3000K
- W Neutral white 4000K
- W Cold white 6500K
- R Red
- G Green
- B Blue
- A Amber

Efficiency at 4000K

Flux (lm)	lm / W	W
10750	139	77

POWERFLOOD 9 custom colours

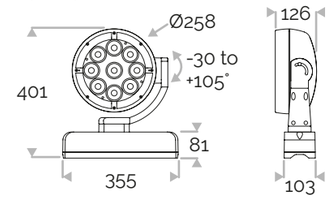
Integrated DMX power supply / Choice of 4 colours

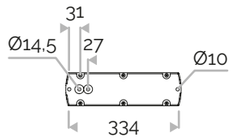
POWERFLOOD 9 custom colours

Integrated DMX power supply / Choice of 4 colours

FLUX LIGHTING

POWERLFOOD 9
Custom colours
(mm)





230V floodlight for outdoor lighting with 36 power LED and 9 lenses,

POWERFLOOD 9 CUSTOM COLOURS: choice of 4 colours.

Integrated DMX power supply and DMX CONNECT SYSTEM connection in wall.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable (p. 217 & p. 257).

Concealed cable.

Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

Weight: 11 kg.

Windage: 0.1m².

5-year warranty (see FLUX conditions).

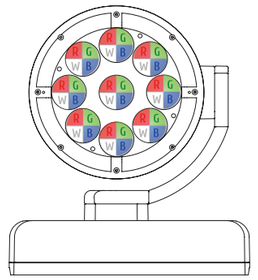
2x3.7° 2x5°

2x11° 2x17°

IP66 | IK10 | Class I | DMX

Lifetime: 60.000 hours L80 B10

Eg. RGBW version:



Choice of 2 to 4 colours

W W W W R G B A

Possible configurations:

R G W B RGBW (red, green, blue, warm white 3000K)

R G W B RGBW (red, green, blue, neutral white 4000K)

W W W W WHITE MIX (warm white, 2 neutral whites, cold white)

POWERFLOOD 18 custom colours

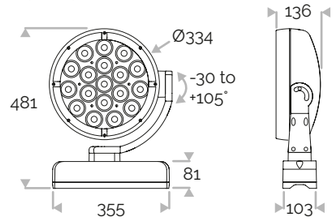
Integrated DMX power supply / Choice of 4 colours

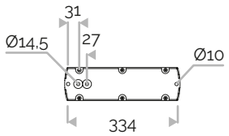
POWERFLOOD 18 custom colours

Integrated DMX power supply / Choice of 4 colours

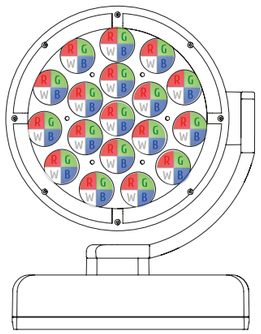
FLUX LIGHTING

POWERLFOOD 18
Custom colours
(mm)





Eg. RGBW version:



230V floodlight for outdoor lighting with 72 power LED and 18 lenses,

POWERFLOOD 18 CUSTOM COLOURS: choice of 4 colours.

Integrated DMX power supply and DMX CONNECT SYSTEM connection in wall.

Built-in 10 kV/5 kA surge protection.

Delivered with a cable (p. 217 & p. 259).

Concealed cable.

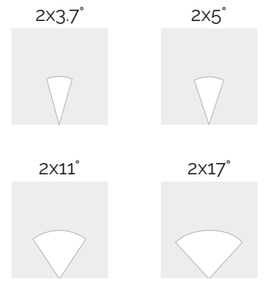
Cast aluminium, sandblasted RAL paint. Extra-white tempered glass. Silicone gasket.

Captive stainless steel fasteners with Delta Seal®.

Weight: 16 kg.

Windage: 0.15m².

5-year warranty (see FLUX conditions).



IP66 | IK10 | Class I | DMX

Lifetime: 60.000 hours L80 B10

Choice of 2 to 4 colours

Possible configurations:

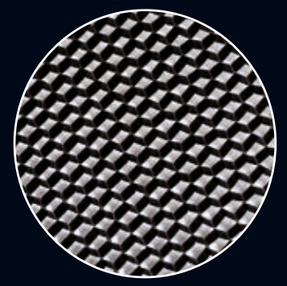
RGBW (red, green, blue, warm white 3000K)

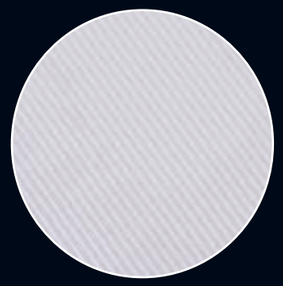
RGBW (red, green, blue, neutral white 4000K)

WHITE MIX (warm white, 2 neutral whites, cold white)

Glare shield dimensions:
POWERFLOOD 9: L. 150 mm H. 139 mm
POWERFLOOD 18: L. 200 mm H. 178 mm
Glare shield (raw aluminium, RAL paint to be defined)

Honeycomb louvre
Elliptical lens





POWERFLOOD 18 custom colours

DMX CONNECT SYSTEM

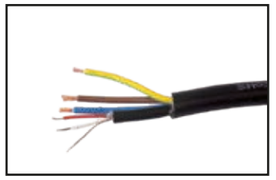
FLUX LIGHTING

Caution: the Connect System is not available for installation on poles.
On poles, the POWERFLOOD RGBWs are pre-wired for connection at the base of the pole.

Delivered with a cable of 50 cm.

"CLIC !"

230V / DMX
input cable
XLR plug 3 points

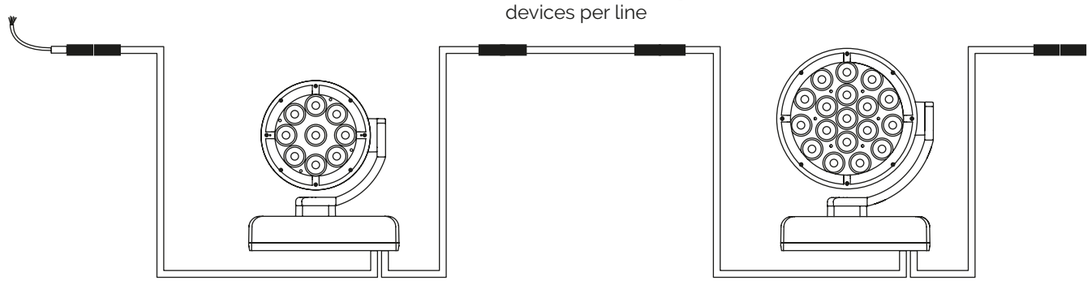


IP68 DMX / 230V
waterproof male and
female connectors

IP68 extensions
1m / 2,5m / 5m / 10m
ask us for longer than 10 m

DMX IP68 terminal

Maximum 10A and/or 25
devices per line



IKEA, Vénissieux (France). Customer: Lionheart. Landscaper: InSitu.
Lighting designer: Les Éclaireurs Lyon. Design office: Sotrec. Installers: Serpollet / Sobeca. © FLUX

L'Aquarium restaurant, Aix-les-Bains (France).
Customer: SAS l'Aquarium. Installer: Porcheron Frères & Cie. © FLUX

Stade Montois, Mont-de-Marsan (France). Prime contractor: SYDEC 40. © FLUX

Géant Casino Monthieu shopping center, Saint-Étienne (France). Customer: Groupe Casino. Architect: Cimaise. Design office: Acrobat. Installer: INEO Tertiaire. © FLUX

POWERFLOOD 18

Pole-mounted

POWERFLOOD 18

Wall

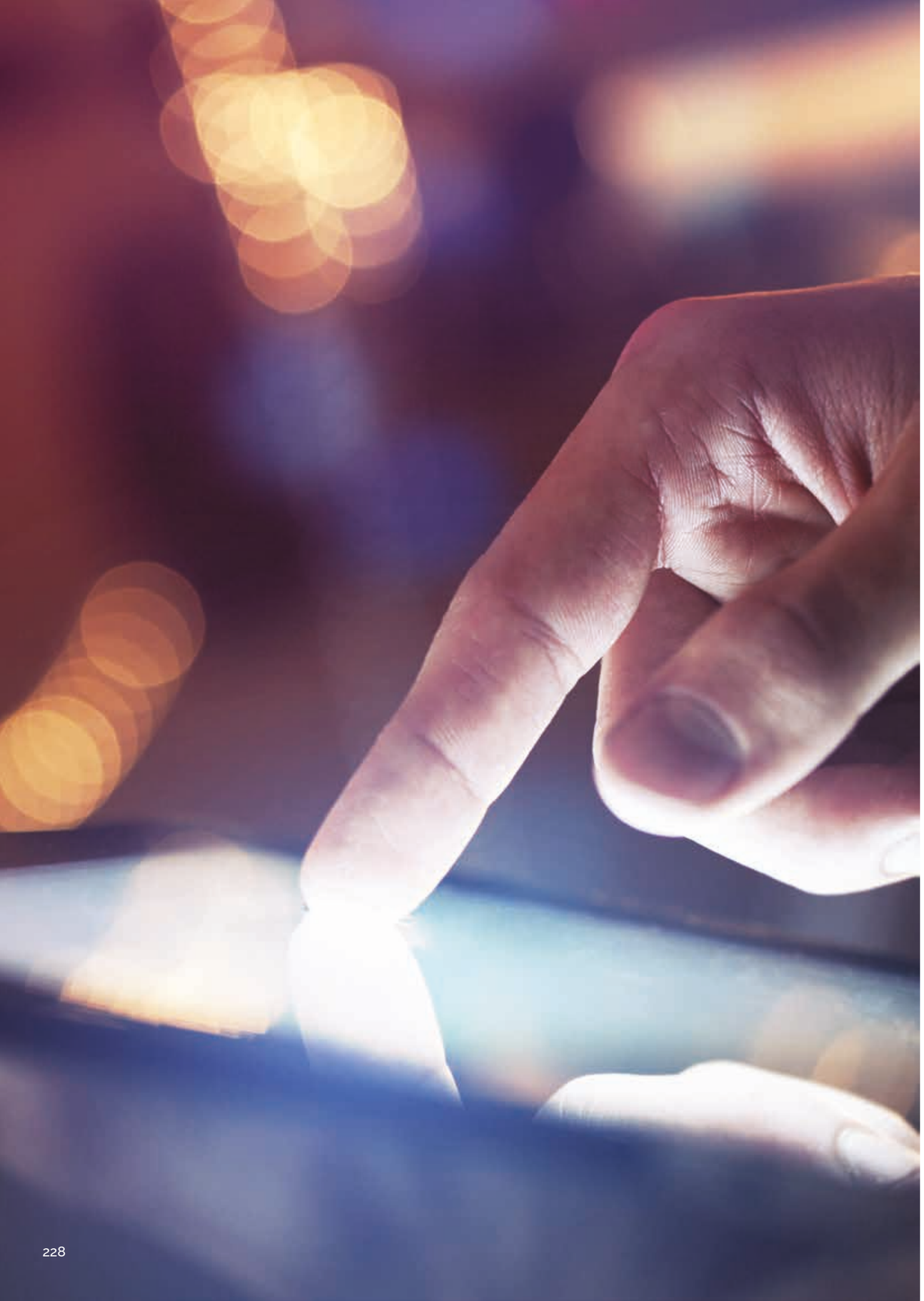
FLUX LIGHTING

Long-distance lighting up to 100 m in bright mode: at 100 m we achieve about 25 lux on a surface area of 25 m^2 (5 m x 5 m)

Uniform lighting

CUSTOM COLOURS

Mounting using 2 x M10 bolts (supplied)



FLUX
LIGHTING

DMX wireless system

TRANSMITTER

P. 230-231

REPEATER

P. 232-233

DMX WIRELESS SYSTEM

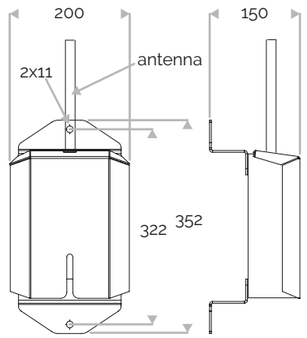
Transmitter

DMX WIRELESS SYSTEM

Transmitter

FLUX LIGHTING

DMX WIRELESS SYSTEM
Transmitter
(mm)



The Wireless DMX System is a wireless DMX/RDM control system for outdoor use.

The transmitter transmits a wireless DMX signal with or without RDM to several receivers. It uses all available channels of the 2.4 GHz HF frequency band. It receives digital signals from a DMX controller to convert them to radio signals.

Number of DMX networks: 1

Wireless transmission on the 2402-2480 MHz frequency band. Smart choice of frequency range: automatic allocation.

Range: 300 meters in unobstructed areas. The boxes are equipped with antennas that must be in plain view.

Full synchronisation, whatever the number of receivers.

Advanced 128-bit encryptio protects against hackers.

Visualization software/configuration provided.

IP66 DMX

System under development. Information subject to change.

DMX WIRELESS SYSTEM

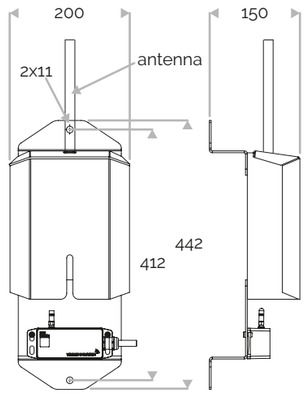
Repeater

DMX WIRELESS SYSTEM

Repeater

FLUX LIGHTING

DMX WIRELESS SYSTEM
Repeater
(mm)



The Wireless DMX System is a wireless DMX/RDM control system for outdoor use.

The reapter receive the information from the transmitters. They transmit to the receiver. It uses all available channels of the 2.4 GHz HF frequency band.

Number of DMX networks: 1

Wireless transmission on the 2402-2480 MHz frequency band. Smart choice of frequency range: automatic allocation.

Range: 300 meters in unobstructed areas. The boxes are equipped with antennas that must be in plain view.

Full synchronisation, whatever the number of receivers.

Advanced 128-bit encryptio protects against hackers.

Visualization software/configuration provided.

1 receiver box

IP66 DMX

System under development. Information subject to change.

FLUX
LIGHTING

Technical information

U.L.R./U.L.O.R.
D.L.O.R./L.O.R.
P. 236-237

LED & OPTICS
P. 238-244

TREATMENTS
P. 245

WIRING & CONTROL
P. 246-257

ADDRESSING TABLES
P. 258-259

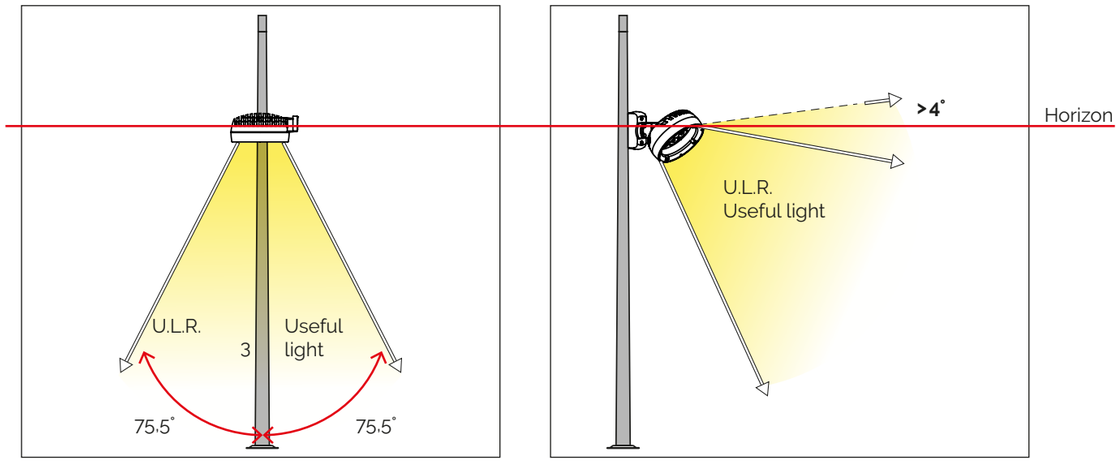
STANDARDS & INDEX
P. 260-264

U.L.R.

Upward Light Ratio

U.L.R. (**U**pward **L**ight **R**atio) Proportion of the flux of a luminaire or installation that is emitted, at and above the horizontal, when the luminaire is mounted in its installed position.

95% of the luminous flux emitted from the luminaire in a cone of 2x75.5°.



U.L.O.R. / D.L.O.R. / L.O.R.

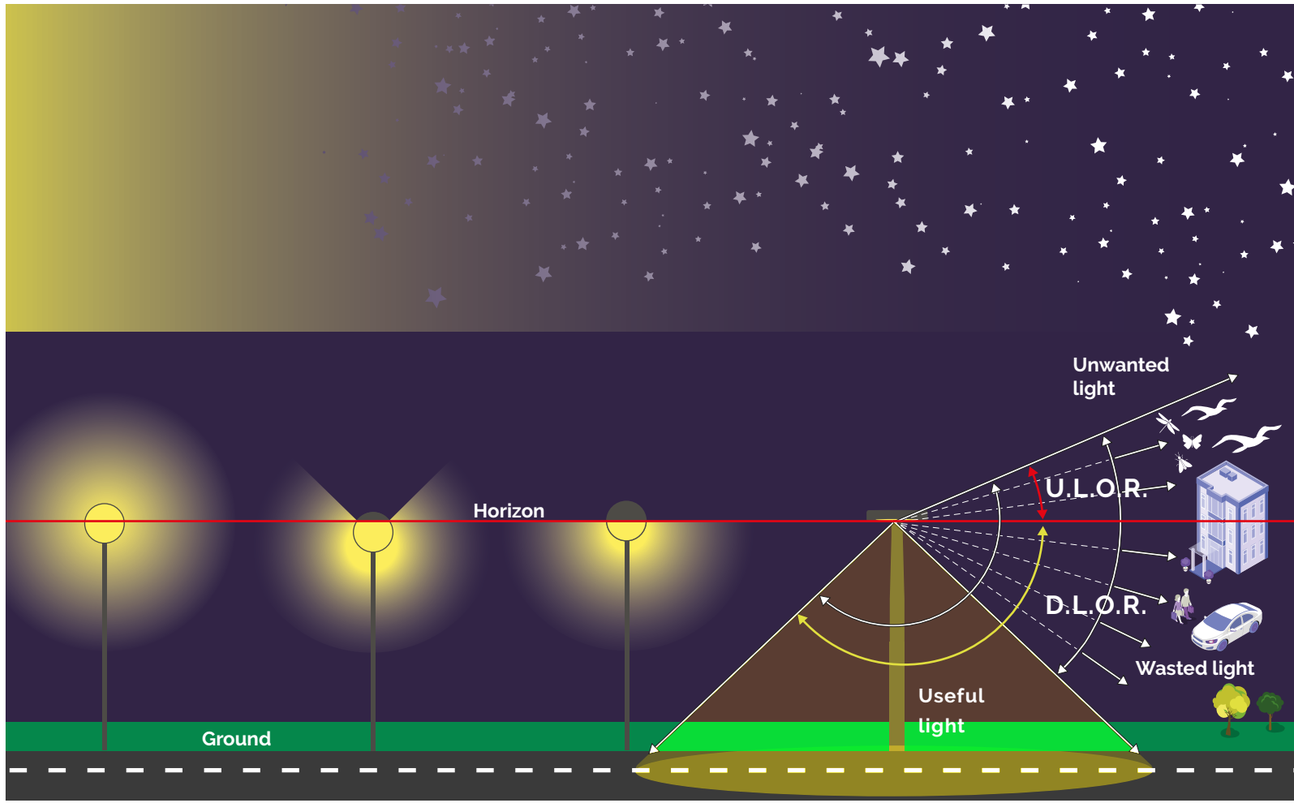
Distribution of the luminous flux

FLUX LIGHTING

U.L.O.R. (**U**pward **L**ight **O**utput **R**atio) Ratio of the upward luminous flux of the luminaire, measured under specified conditions with its own lamp(s) and equipment, to the sum of the individual luminous fluxes of the same lamp(s) when operated outside the luminaire with the same equipment, under specified practical conditions.

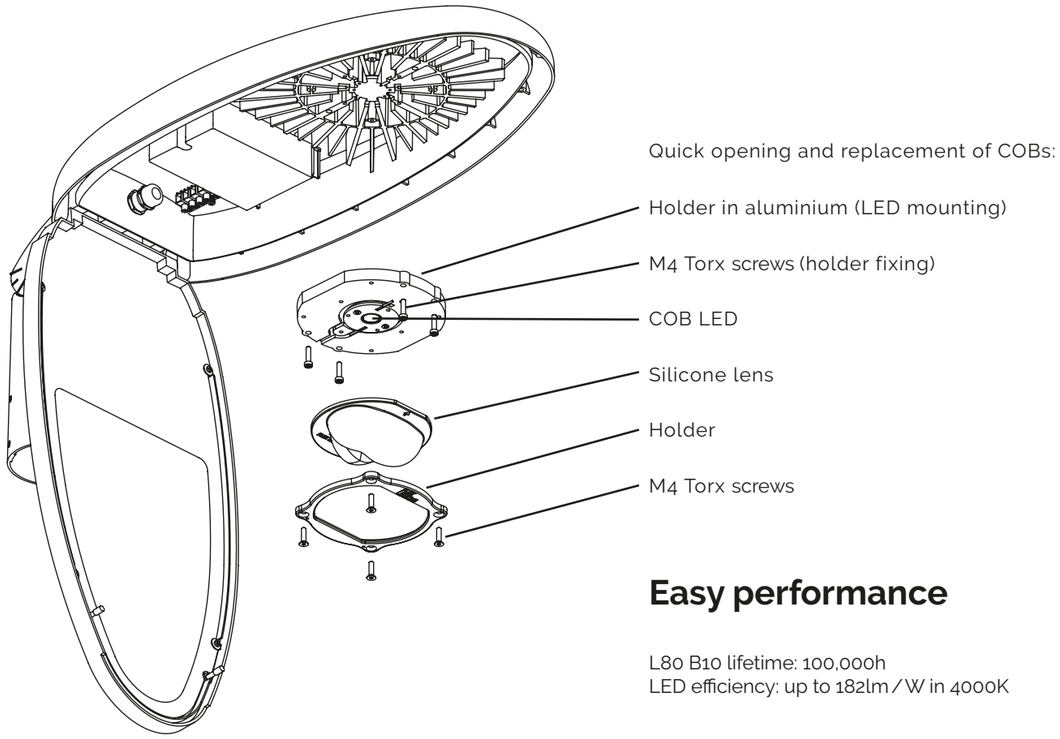
D.L.O.R. (**D**ownward **L**ight **O**utput **R**atio) Ratio of the downward luminous flux of a luminaire, measured under specified practical conditions with its own lamps and equipment, to the sum of the individual luminous fluxes of the same lamps when operated outside the luminaire with the same equipment, under specified conditions.

L.O.R. (**L**ight **O**utput **R**atio) Ratio of the total luminous flux of the luminaire, measured under specified practical conditions with its own lamp(s) and equipment, to the sum of the individual luminous fluxes of the same lamp(s) when operated outside the luminaire with the same equipment, under specified conditions.



Easy maintenance

Standardized components, non-proprietary technology,
multiple suppliers = lower costs

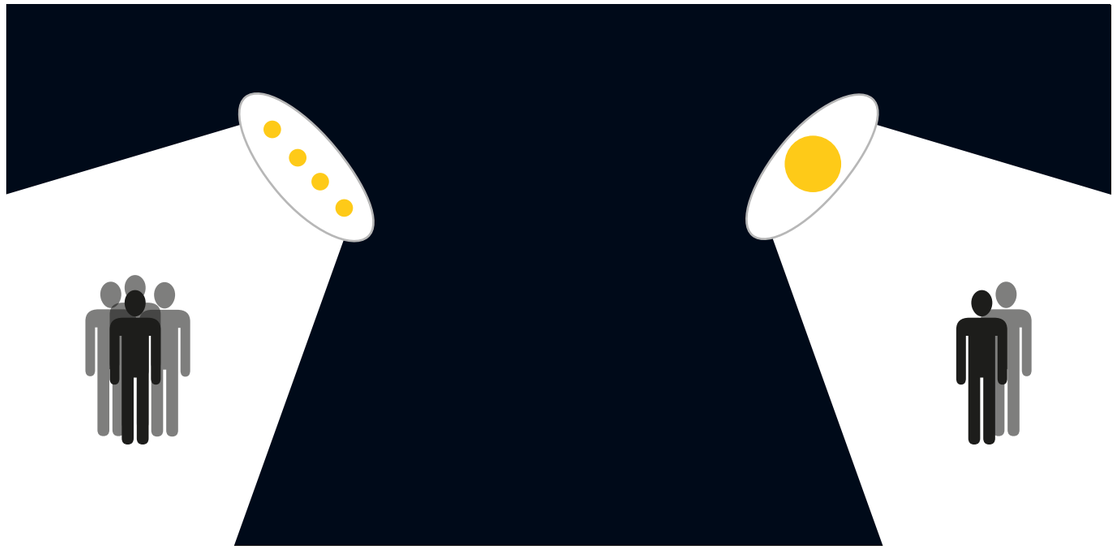


Easy performance

L80 B10 lifetime: 100,000h
LED efficiency: up to 182lm / W in 4000K

The choice of COB technology

FLUX LIGHTING



COB technology

COB (Chip-on-Board) – semiconductors are fixed directly on the substrate (support material). With this process, a "component density" many times higher than with SMD (surface mounted device) technology can be achieved. The huge technical advantage of COB modules lies in the uniformity of the emitted beam. The emission cone is uniform and has no distinct luminous points.

COB modules feature a large number of benefits. With L80/B10, after 100,000 hours, 80% of the initial luminous flux is achieved and only 10% of the modules fall below the L80 level. This extreme behavioural stability alone generates savings in the design of lighting installations because the failure rate and the ageing factor are almost negligible.

Light emission

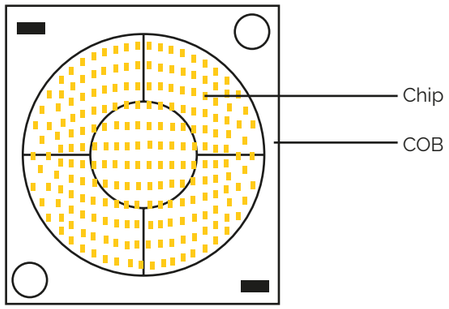
Due to the uniform emission of the beam with COB technology, there are no luminous points or multiple shadows (multi-shadowing). The edges are sharp.

Equipment

Puce

A COB consists of several lines of chips in parallel, 12 lines of 10 chips or 12 lines of 18 chips. When one chip dies the others continue to operate.

The circular distribution of chips allows for better heat dissipation and better optical rendering.



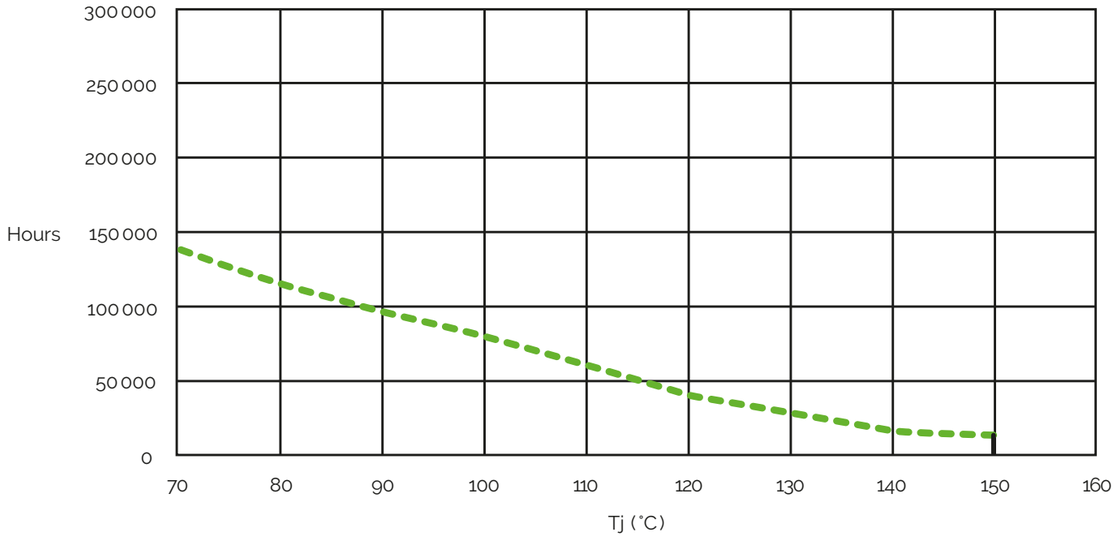
Proprietary lens

In silicone.

- Excellent transparency: High refractive index
- No yellowing
- High thermal resistance (-40° C to + 200° C)
- Waterproof
- IK10

COB lifetime

FLUX LIGHTING



COB L80 B10 lifetime

The lifetime of LEDs depends on 3 main parameters: The junction temperature, the current and the LED used.

FLUX LED products are specifically designed to optimize heat exchange and have a maximum junction temperature of 85° C, well below 150° C (maximum Tj recommended by LED manufacturers).

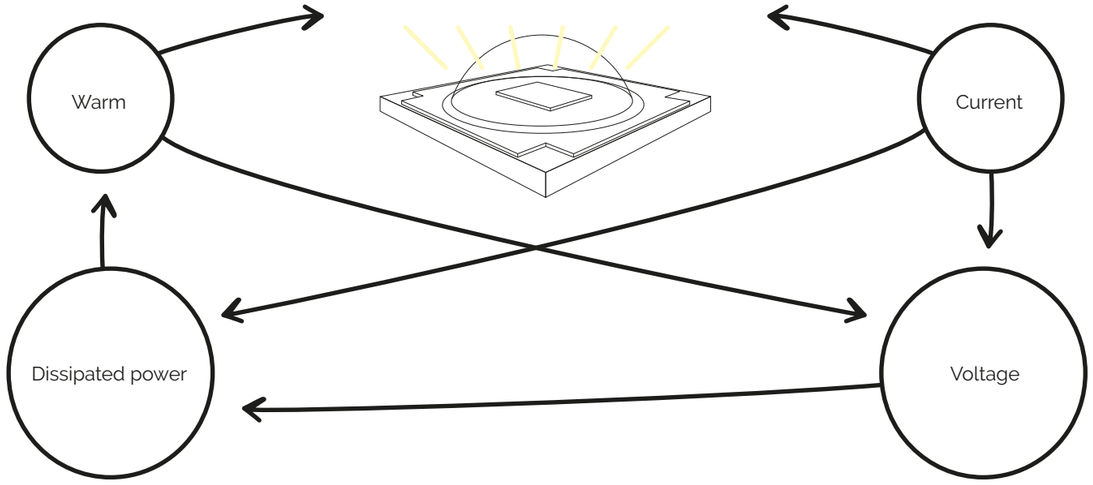
We power the COB at 50% of the maximum current recommended by the manufacturer.

The lifetime according to the L80 B10 standard for COB is 100,000 hours at 80% of the remaining luminous flux, or 25 years for luminaires used in public lighting. Beyond this, the COBs will continue to operate.

The lifetime is specified for an ambient temperature (Ta) of 25° C. The average temperature in France at night is 7° C which improves longevity. The maximum permissible ambient temperature is 30° C.

We test the lifespans of COBs in our products under actual conditions to obtain actual values for longevity.

LED systems



Heat dissipation

All luminaires designed by FLUX use LEDs. The design therefore incorporates passive heat sinks to dissipate heat from the LEDs, to reduce the Junction Temperature, so improving the service life.

Standards

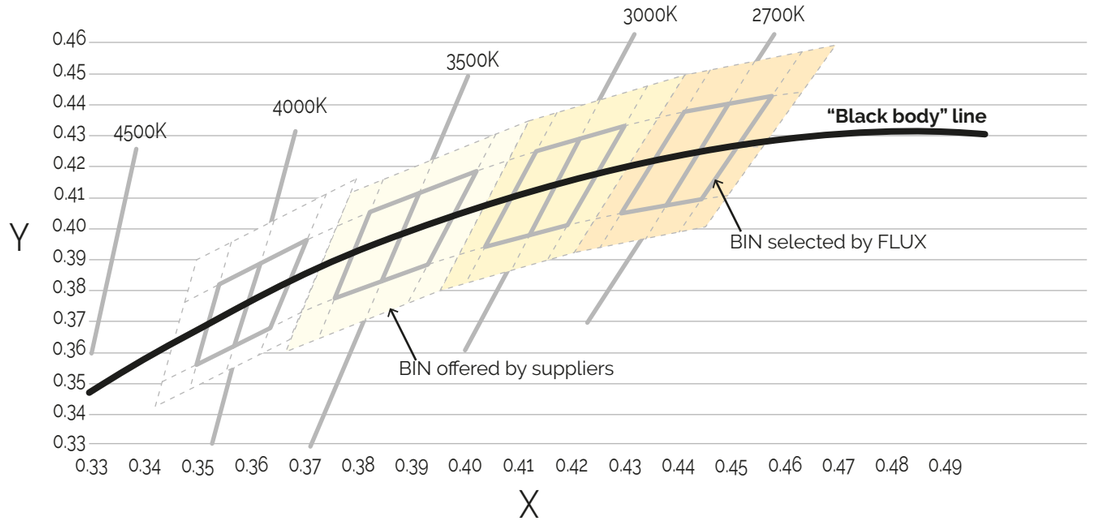
Standards for calculating the lifetime of an LED:

The LM80 standard measures the luminous flux of LEDs up to a maximum of 10,000 hours in real time. (The LM80 standard only tests drops in the luminous flux of the LEDs).

The TM21 standard extrapolates the luminous flux up to 6 times that of the LM80, i.e. 60,000 hr. maximum. (Standard developed by Cree, Osram, Philips Lumileds, Nichia, GE and two laboratories: PNNL and NIST, to provide a reliable computing system common to everyone).

L80 B10 is a statistical estimate of the lifetime of an LED such that 90% of the LEDs emit more than 80% of the initial flux.

Colours of LEDs



LED Sorting

"BINNING" is sorting of LEDs to ensure the consistency of the colour and the quality of the light.

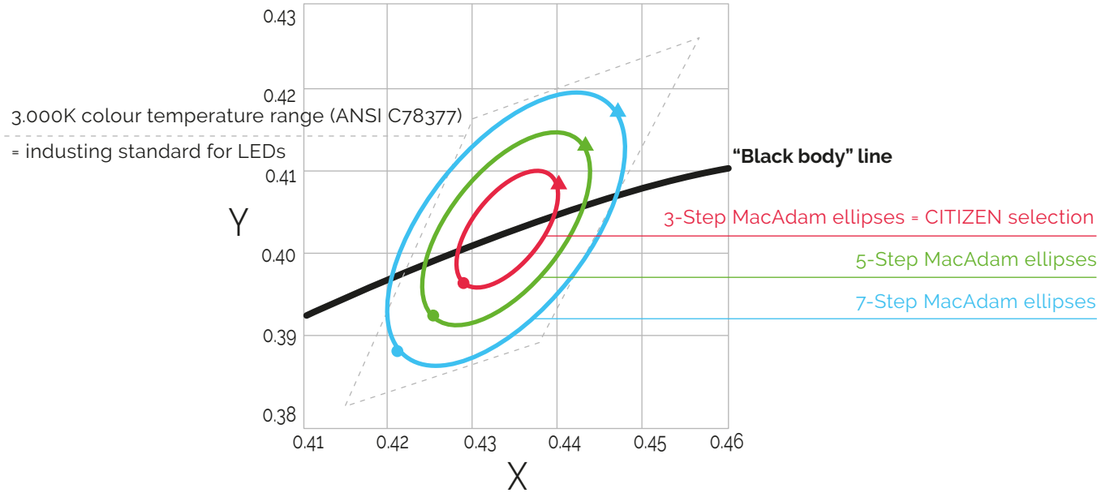
The sorting process is necessary because the human eye can detect minute differences in colour. Uniform chromaticity of light is essential in lighting.

To achieve this, our suppliers undertake to select a maximum of 4 BINs per shade of white (closest to the original curve), and for each order we manufacture our LED products with a single BIN.

Colour rendering index (CRI)

Colour rendering of light sources is important for the colour appearance of illuminated objects. We use LEDs with CRI 70 and higher.

Couleur des LED COB



Macadam Elipse

MacAdam ellipses are used to determine perceived colour differences. They are represented on the colour chart. Surfaces for which comparison colours around a given shade are perceived as being equally close. Up to a distance of 3 MacAdams, colour tolerances are barely detectable.

COB LEDs are measured in MacAdam ellipses and not in BIN.

We use 2 and 3 steps for our COB products.

Treatments

E.g. Delta Seal GZ® treatment of fasteners for corrosive environment for the last 2 years.

Standard treatments

Treatment of all our external stainless steel fasteners with Delta Seal GZ® protection (Teflon-based organic protective layer) provides outstanding corrosion resistance and galvanic isolation between metals.

Surtec 650 treatment (chrome-free) is used for primary anti-corrosion protection with secondary thermo-lacquering and a polyester powder coating.

All cast aluminium luminaires are anti-corrosion treated prior to polyester powder coating.

"Coastal" treatments

Standard treatment: castings are degreased, rinsed, washed and passivated before application of a coat of polyester powder coat..

"Coastal" treatment requires a standard treatment + the application of a layer of epoxy powder coat. under the polyester powder coat..

Connect system

24V DC / 230V CONNECT SYSTEM

Connect system for DMX / 230V

Wiring system with 230 V/DMX “snap-on” waterproof connectors, 100% reliable.

Products affected: POWERFLOOD, X-LINE3, X-LINE4

Connect system for DMX / 24V

Wiring system with 24 V and 230 V “snap-on” waterproof connectors, 100% reliable.

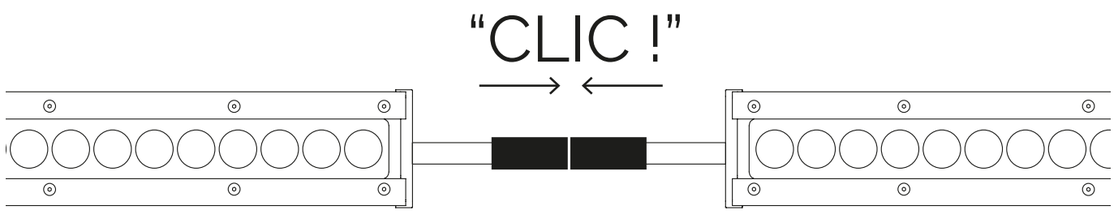
Products affected: X-LINE NANO 24V, X-LINE 3, X-LINE 4 and X-LINE UP² 230 V.

Advantages

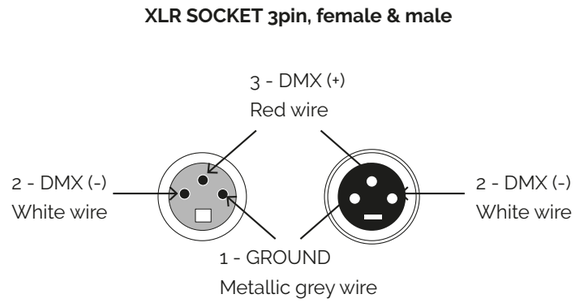
Connections are tight and allow for quick installation.

The shape of the coupling system enables blind connection. In dark conditions, the keys enable easy connection procedures to avoid damage.

FLUX has software that generates wiring diagrams which include all lighting required for installation.



DMX control



DMX protocol

Control protocol with the following characteristics:

- Control of a theoretical maximum of 512 channels.
- With a precision of 256 light levels per channel.
- A maximum of 25 devices per DMX line with a maximum length of 200 metres.
- Connections are made using DMX cables terminated with 3-pin XLR plugs with standardized wiring.

When you need to exceed the maximum number of devices (25) or the maximum cable length (200 m), a line SPLITTER can be used.

With a 4-way SPLITTER, you can connect 4 lines of 25 devices and add up to 200 m of DMX cable. A splitter is a repeater with several outputs. Each output can be independent.

In a project, it is important to consider the number of DMX channels shown for each device.

Example: PILOTBOX LED RGB 700 mA uses 3 DMX channels.

Recommendation

All DMX lines must be terminated.

We strongly recommend (with over 200 m of DMX cable or on unused outputs of a Splitter) the use of 120 Ohm DMX terminating resistors at each end of the DMX line.

More commonly known as a DMX plug, these ensure the proper circulation of DMX signals and prevent electromagnetic interference.

Addressing

PILOTBOX & POWER LED controllers are equipped with DIP SWITCHES which operate in binary mode. (Refer to the detailed combination tables in the technical manuals for each product to address them according to your choice).

See addressing tables p.246 to 247.

Pilotbox

Controller for dimmable LED range, available modes: DMX, DALI, push button, potentiometer, etc.

DALI protocol

(Digital Addressable Lighting Interface)

The DALI protocol for controllers and luminaires provides optimal management of lighting via a bus (2-wire) called the DALI line. On, off and dimming are controlled via this line.

DALI addressing

The digital technology used by DALI (binary mode) lets you:

- Individually control 64 addressable luminaires that can be grouped together to form up to 16 groups.
- Precisely control the light intensity (gradation from 0.1% to 100% of the luminous flux on a logarithmic curve).
- Memorize 16 lighting scenarios (control and management scenarios). FLUX LIGHTING monochrome and RGB LED products use 3 channels, RGBW LED products use 4 channels, the pilot boxes use 3 channels, and the street luminaires use 1 channel in DALI.

DALI for public lighting

DALI drivers are available in our lanterns; DALI is usually used to connect to a centralised management system to benefit from feedback. With DALI v. 2, feedback can be obtained from multiple LED products.

RDM

(Remote Device Management)

DMX512 is a unidirectional protocol. The flow of data goes in one direction only. Combined with RDM, the system becomes the bidirectional DMX512: requests to online devices, responses from the devices. Basic functions: setting of DMX addresses, modes and other configuration tasks.

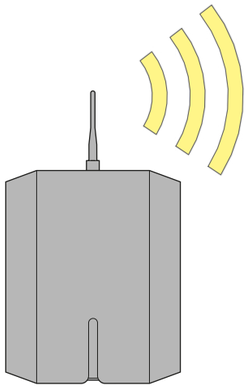
The RDM protocol is a conversation. E.g.: the lighting console says: “Tell me your DMX address” and the device responds with: “My address is 032”. This is called a “GET” command. The controller can then send a “SET” command, such as: “Set your DMX address to 065”, and the device responds and recognizes this change. Using “GET & SET” commands and responses, the RDM protocol lets you modify and control the DMX system. The X-LINE^3, X-LINE 4 DMX CONTROL, X-LINE UP^2 DMX CONTROL, POWERFLOOD 9 & 18 CUSTOM COLOURS and IP65 controllable power supplies use RDM technology.

The ground (braid wire) must be connected in all DMX installations.

DMX Wireless System

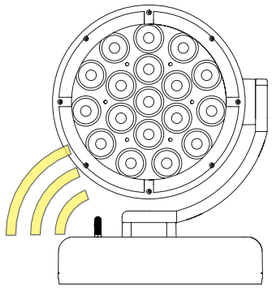
DMX wireless control system:

- Simplified project design
- Quick and cost-effective implementation
- No cables = durability

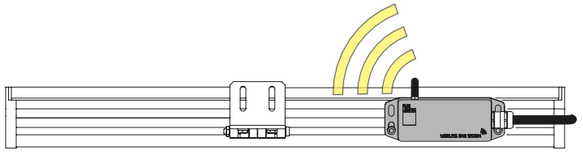


Transmitter

Wireless



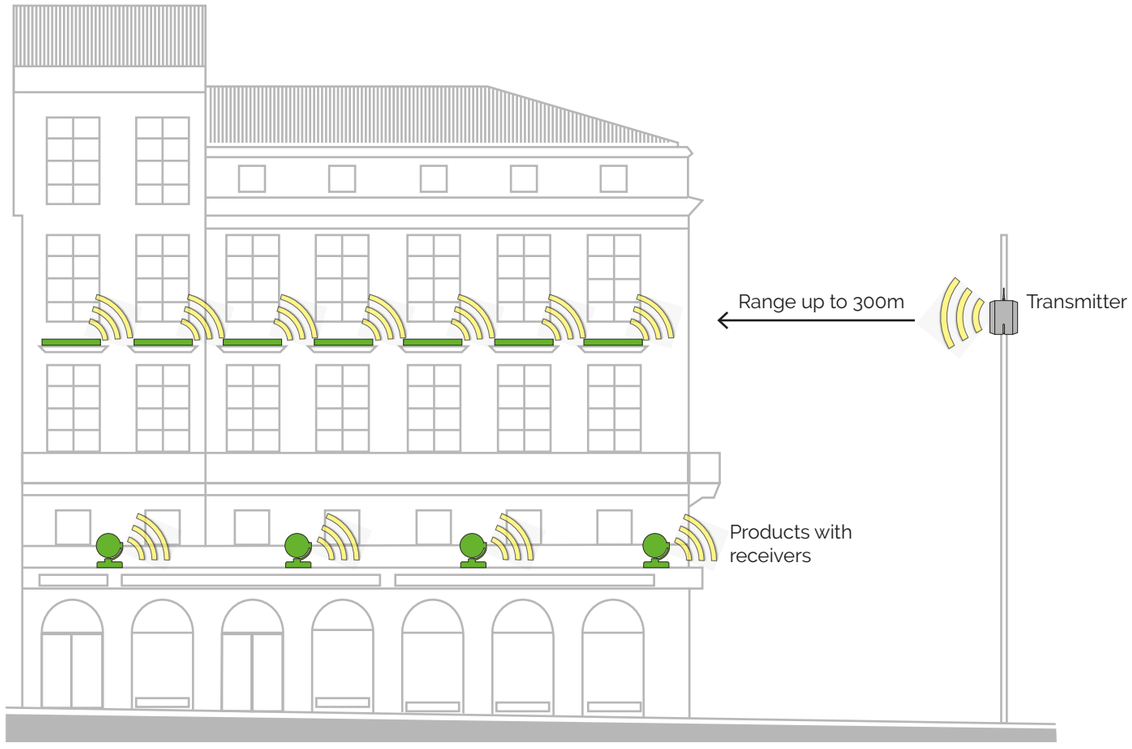
Internal receiver

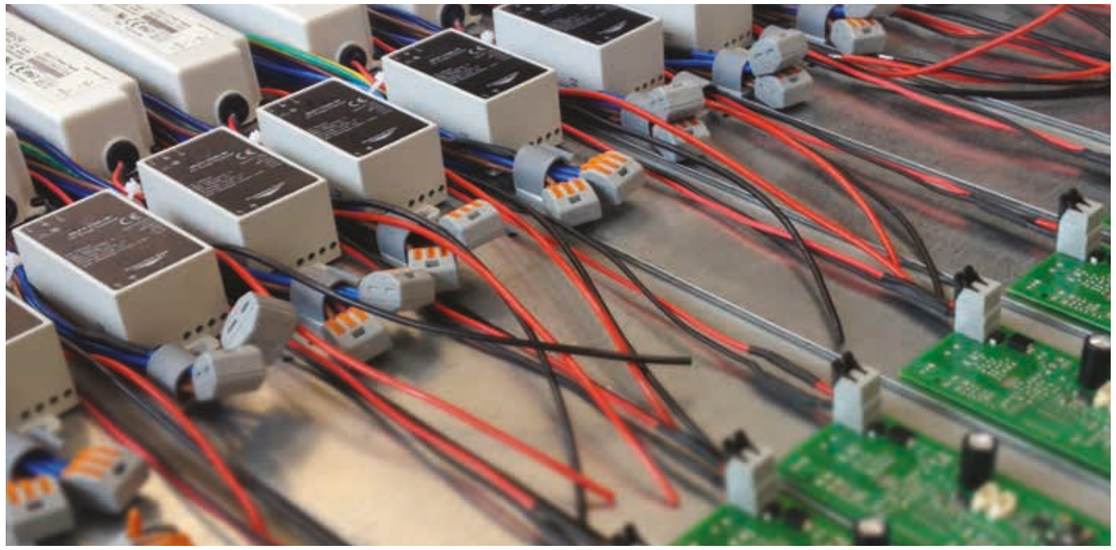


External receiver

Pilotage DMX Wireless System

FLUX LIGHTING





SPD

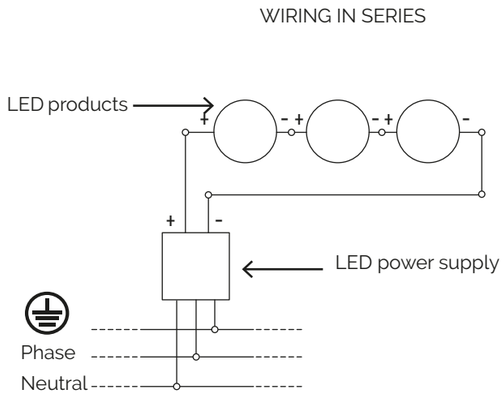
(Surge protection device)

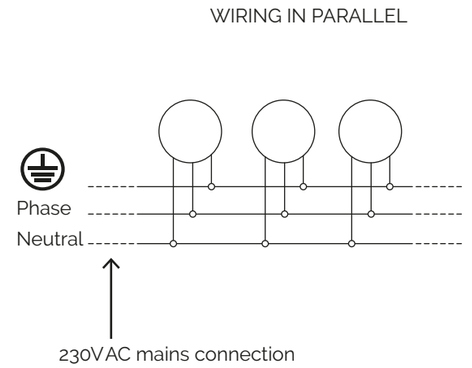
LED lighting technology is used for its efficiency, energy savings and life expectancy.

However, LEDs are sensitive, like any electronic device, to transient surges and lightning, which is why all our LED systems, except lanterns, are equipped with surge protection to mitigate the risks relating to the installation.

Protection is integrated into all our luminaires or in our power supplies for luminaires with separate drivers, street luminaires are equipped with drivers with integrated protection.

FLUX LIGHTING





Standards

Our luminaires comply with the European standard: EN 60598.

Connections

The connections must prevent tension on the cables. Allow enough cable length to remove the unit from its support.

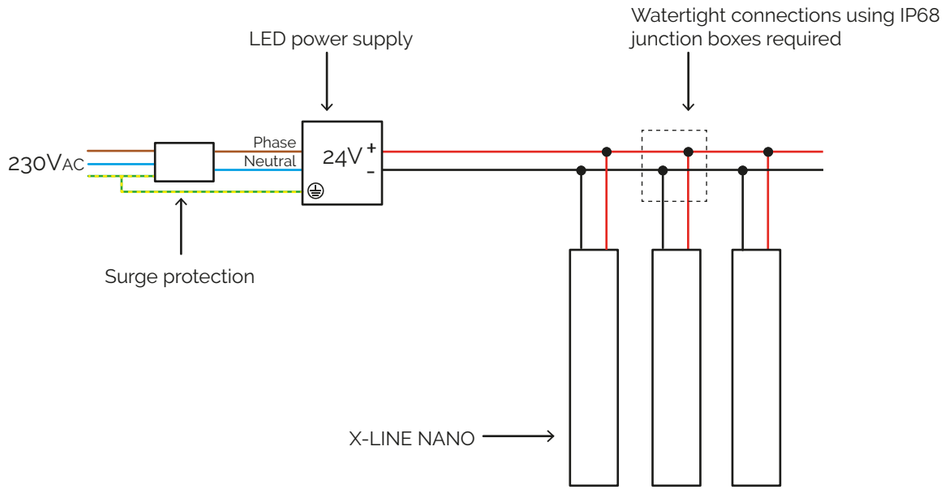
Parallel mounting:

When installed in parallel, each element is connected to the voltage source by a pair of wires (phase and neutral).

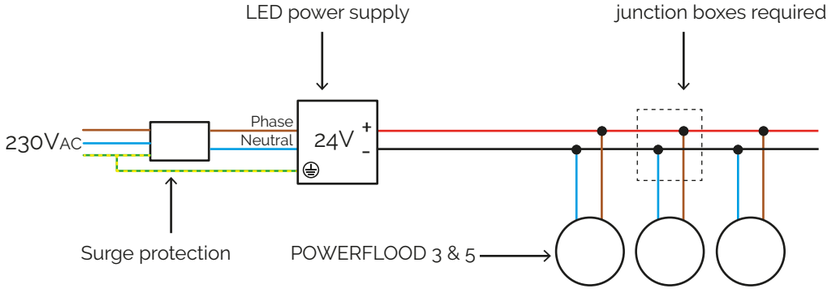
Installation in series:

When installed in series, the elements are chained together, only the first is connected to the voltage source (+), and the last (-).

X-LINE NANO fixed wiring

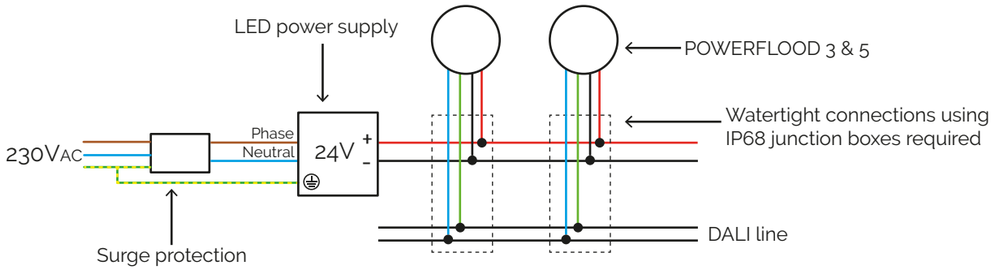


POWERFLOOD 3 & 5 fixed wiring

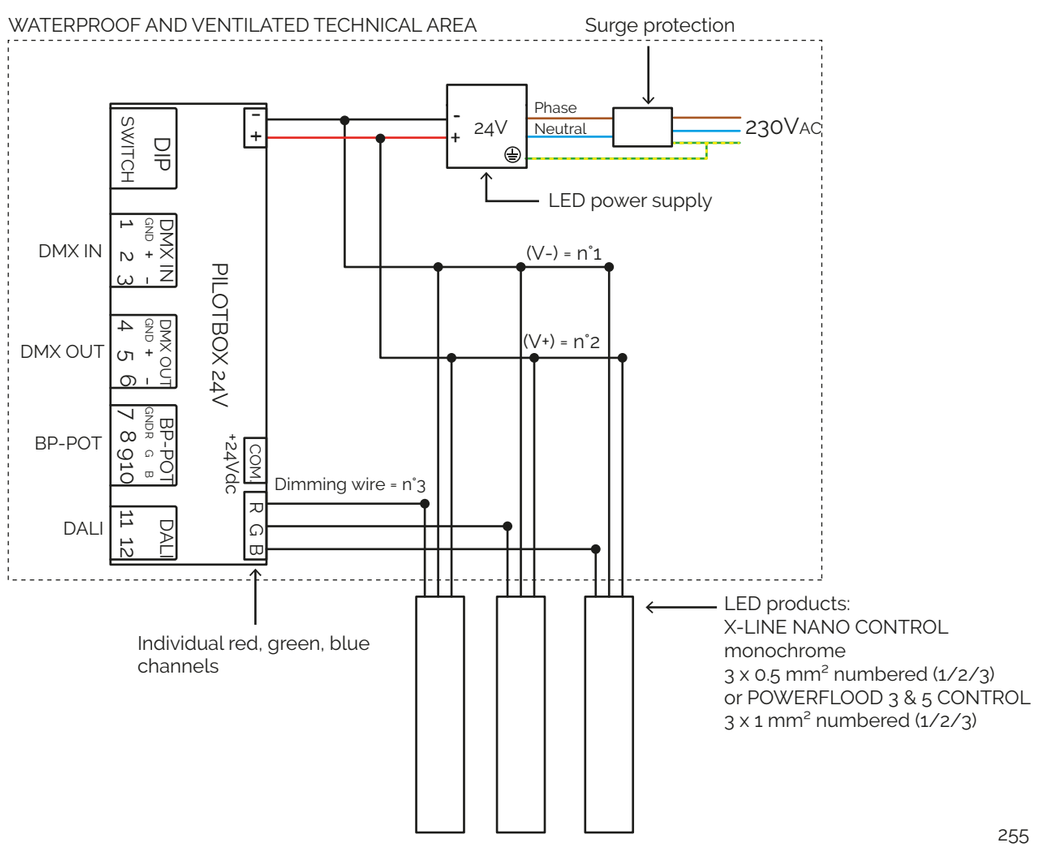


POWERFLOOD 3 & 5 DALI wiring

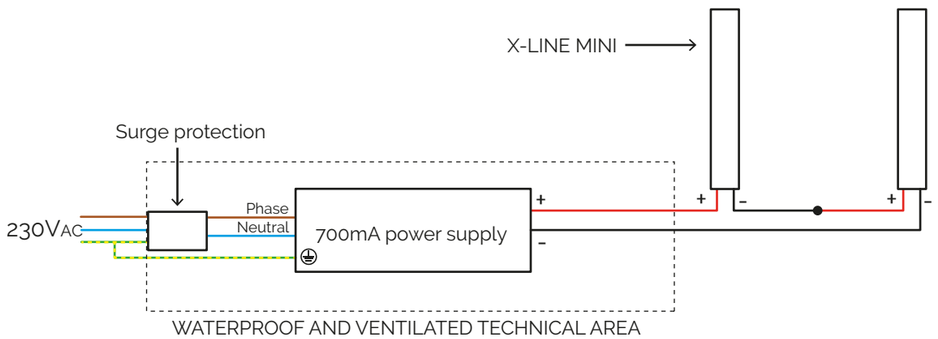
FLUX LIGHTING



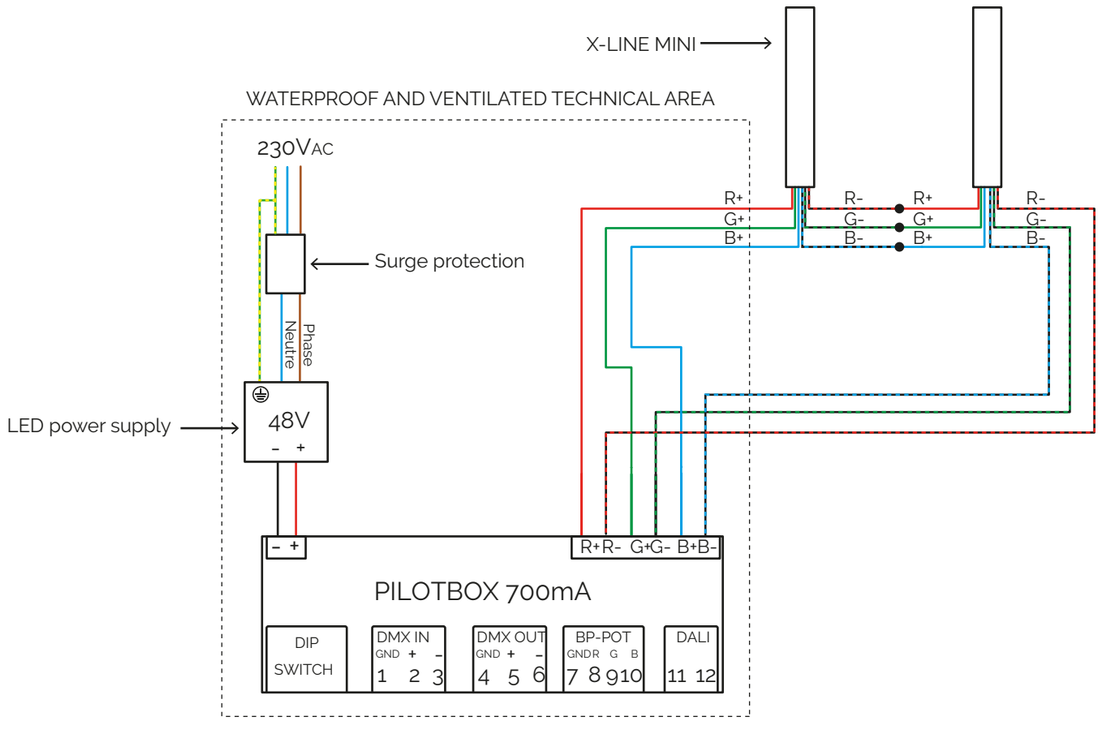
X-LINE NANO control wiring
POWERFLOOD 3 & 5 control wiring



X-LINE MINI fixed wiring



X-LINE MINI control wiring



Cables details

FLUX LIGHTING

a X-LINE NANO
X-LINE MINI
X-LINE³, DALI version
X-LINE UP², DALI version

b X-LINE MINI

c POWERFLOOD 3 & 5
POWERFLOOD 9 & 18 1.4A

d X-LINE³
X-LINE UP²
ELO
POWERFLOOD 9 & 18 230V AC
WIRELESS transmitter & repeater

e X-LINE NANO

f POWERFLOOD 3 & 5

g POWERFLOOD 3 & 5

h POWERFLOOD 9 & 18 230V AC
WIRELESS transmitter & repeater

i ODO, EVO, KAA
ODO MINI
EVO MINI
KAA MINI
ODO borne
ODO NANO
LINEO lanterne
LINEO borne
LINEO NANO
XTO

j

k

l POWERFLOOD 9 & 18
230V pole mounted

a 2 x 0.5 mm² cable: black- and red+

b 6 x 0.5 mm² cable: red channel (red+ and red/black-), green channel (green+ and green/black-), blue channel (blue+ and blue/black-)

c HO5RN-F 2 x 1 mm² cable: blue- and brown+

d HO7RN-F 3G 1.5 mm² cable: phase (brown), neutral (blue) and earth (green/yellow)

e Numbered black cable, 3 x 0.5 mm² ① (V-), ② (V+), ③ dimming. For 24V DC.

f Numbered black cable, 3 x 1 mm² ① (V-), ② (V+), ③ dimming. For 24V DC.

g Cable, 4x0.5mm² (red, green, blue & black). For 24V DC or CONNECT SYSTEM.

h Cable 2 x 0.22 mm² white (data-), red (data+) + braid. For luminaires controlled in DMX.

i HO7RN-F 5G 1.5 mm² cable (blue, brown, green / yellow, grey, black) for class I. For 230VAC.

j 4x1.5mm² cable (blue, brown, grey, black) for class II. For 230VAC.

k HO7RN-F 4G 1.5 mm² cable (grey, brown, green/yellow, black) for class I. For 230VAC.

l For 230VAC. : 3G1,5mm² cable + For DMX control: 2x0,22mm² cable (blue, brown, green/yellow + white (data -) red (data +) + braid).

Autonomous addressing board for PILOTBOX

MODE	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8	DIP 9	DIP 10
AUTONOMOUS - FIXED										
Red channel	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
Green channel	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
Blue channel	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
Magenta channel	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
Yellow channel	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
Cyan channel	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	ON
All channels	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
AUTONOMOUS - RGB										
2 Sec.	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON
5 Sec.	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	ON
10 Sec.	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON
30 Sec.	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	ON
1 Minute	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON
5 Minutes	ON	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON
30 Minutes	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
1 Hour	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
AUTONOMOUS - PASTEL										
2 Sec.	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON
5 Sec.	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	ON
10 Sec.	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	ON	ON
30 Sec.	ON	ON	ON	OFF	ON	OFF	OFF	OFF	ON	ON
1 Minute	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	ON
5 Minutes	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	ON
30 Minutes	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON
1 Hour	ON	ON	OFF	ON	ON	OFF	OFF	OFF	ON	ON
AUTONOMOUS - RANDOM										
2 Sec.	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON
5 Sec.	ON	ON	OFF	ON	OFF	ON	OFF	OFF	ON	ON
10 Sec.	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON
30 Sec.	ON	OFF	ON	ON	OFF	ON	OFF	OFF	ON	ON
1 Minute	OFF	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON
5 Minutes	ON	ON	ON	ON	OFF	ON	OFF	OFF	ON	ON
30 Minutes	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	ON
1 Hour	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	ON

Control addressing board for PILOTBOX

FLUX LIGHTING

MODE	DIP 1	DIP2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8	DIP 9	DIP 10
DMX	X	X	X	X	X	X	X	X	X	OFF

X : Choose binary addressing

ADDRESSING - DIP SWITCH COMBINATION TABLE (3 CHANNELS)

MODE	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8	DIP 9	DIP 10
DMX - FORCED ADDRESSING										
Address 1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Address 510	OFF	ON	ON	ON	ON	ON	ON	ON	ON	OFF
DMX - Auto Addressed RDM	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

MODE	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8	DIP 9	DIP10
DALI	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON

POTENTIOMETER OR PUSH BUTTON: THE MODE OF THE DEVICE USING THE DIPSWITCHES

MODE	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8	DIP 9	DIP10
POTENTIOMETER 100KΩ										
RGB	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
Mono.	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
PUSH BUTTON										
RGB	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
Mono.	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	ON	ON

Standards

SELV

ROHS

C.E.

European conformity.

Low voltage directive

The Low Voltage Directive (2014/35/EU) aims to guarantee the safety of electrical equipment used in the voltage ranges 50 to 1000 V AC (alternating current) and 75 to 1500 V DC (direct current).

NF EN 60598-1

Luminaires - Part 1: General requirements and tests.

SELV

SELV: Safety Extra Low Voltage (50 V AC max and 120 V DC max.).

Directive européenne RoHS

The RoHS European Directive (2011/65/EU) aims to limit the use of six hazardous substances. “RoHS” means Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment. The substances concerned are lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs).

Biometric photo security

IEC 62471, DIN EN 62471 (VDE 0837-471). This international standard, developed in Europe as part of the Low Voltage Safety Directive, describes how light sources, and therefore LEDs, LED modules and LED lighting, should be measured and evaluated.

Classification & index

FLUX LIGHTING

ELECTRICAL EQUIPMENT CLASS

CLASS I — Class I: the devices must be earthed for safety purposes. In the event of a fault, the current is cut off by a fuse.

CLASS II — Class II: the devices have additional insulation in addition to functional insulation. In the event of a defect, accessible metal parts do not absorb unacceptably high voltages.

CLASS III — Class III: devices are designed for very low voltages. They are powered at voltages below 50 V. Only for connection to safety transformers in accordance with EN 61558/VDE 0570, EN 61347/VDE 712 or VDE 0100 Part 410.

IP CLASSIFICATION

The IP rating indicates the degree of protection of a device against penetration of solid bodies (1st digit) and against penetration of water (2nd digit).

IP1X	Protection against solid bodies with Ø greater than 50 mm.
IP2X	Protection against solid bodies with Ø greater than 12 mm.
IP3X	Protection against solid bodies with Ø greater than 2.5 mm.
IP4X	Protection against solid bodies with Ø greater than 1 mm.
IP5X	Protection against solid bodies and dust.
IP6X	Total protection against dust.
IPX1	Protection against vertical falling water.
IPX2	Protection against vertical falling water with a maximum inclination of 15°.
IPX3	Protection against rain up to an angle of up to 60.
IPX4	Protection against splashing water.
IPX5	Protection against water jets.
IPX6	Protection against splashing water similar to wave impacts.
IPX7	Protection against the effects of immersion at 1 m for 30 mins.
IPX8	Protection against the effects of prolonged immersion.

The combination of the two digits defines the IP rating of the luminaire.

IK CLASSIFICATION

The two figures of the IK index indicate the degree of protection against shocks. The table below shows the equivalences between the values in Joules and the corresponding IK index.

IK02	0.2 J or 0.2 kg, dropped from a height of 10 cm
IK08	5 J or 1.7 kg, dropped from a height of 29.5 cm
IK10	20 J or 5 kg, dropped from a height of 40 cm.

MARKING

CE	European Conformity
	Transformers and power supplies designed for the range of LED luminaires.
SELV	Safety Extra Low Voltage

PICTOGRAMS / DEFINITIONS

DMX	DMX-controllable product
DALI	DALI-controllable product

CONSORTIUM ZHAGA

Luminaire with Zhaga components: driver, LED module, connector...

Classification & index

OPTICS

2x2° / Verry narrow beam

2x3,7° / Narrow beam

2x5° / Narrow beam

2x6° / Optique intensive

2x10° / Medium

2x11° / Medium

2x15° / Medium

2x17° / Medium

2x22,5° / Wide lens

2x23° / Wide lens

47x8° / Asymmetric lens

40x10° / Asymmetric lens

50x10° / Asymmetric lens

50x15° / Asymmetric lens

Oval lens

Frosted

CLUSTER LENSES FOR XTO & LINEO

STREET
Applications: medium width road lighting and street lighting.

WALK
Applications: pedestrian street lighting, cycle paths.

ASYMMETRIC
Applications: asymmetrical lighting for wide roads.

PARK
Applications: symmetrical lighting for squares, car parks, open areas.

STREET WALK
Applications: medium width road lighting and street lighting. Ideal for both road & walkway lighting.

ASYMMETRIC WALK
Applications : asymmetric lighting for wide roads & walkways.

COLOURS

W Warm white 2200K

W Warm white 2700K

W Warm white 3000K

W Neutral white 4000K

W Cold white 6500K

R Red

G Green

B Blue

A Amber

RGB MIX WHITE MIX
Three-colour:
RGB MIX: RGB (Red, Green, Blue)
WHITE MIX: 3 Whites (warm white/neutral white/cool white)

R G W B
Custom colours: RGBW, WHITE MIX (each LED with 4 colours).

Large choice of RAL colours & all AKZO NOBEL colours are available please contact us © iStock

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Product illustrations are only examples and may differ from the originals.
All measurements are in millimeters.

FLUX reserves the right to modify the technical specifications of the devices at any time depending on the progress of research and product development.

FLUX
LIGHTING

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