

espica ✨

**GENERAL
CATALOGUE
2023.**

espica 

INDEX OF THE CATALOGUE

About Espica

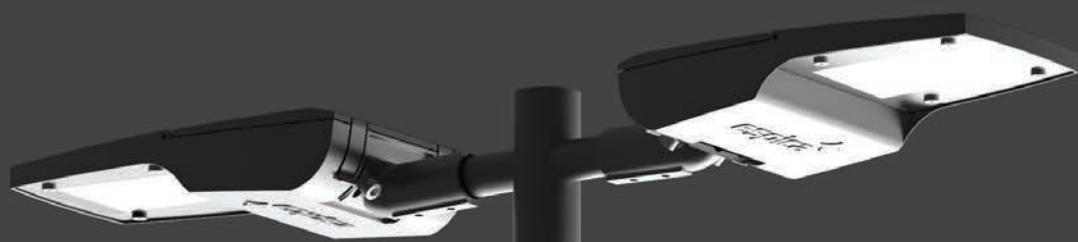
Who we are	6
World presence	8

Products index

	10
Top pole luminaires	14
Bollards	50
Flood /Tunnel lights	56
High/Low bays	84
Linear outdoor	108
Downlights	124
Linear indoor	162
Led panels	194

Technical informations

200



Carina
top pole luminaire

WHO WE ARE.

Espica is a company capable of covering all the needs of modern lighting designers. Thanks to a perfect mix of experience in the lighting industry and innovation, today we are able to bring our knowledge to new markets and attract customers from all over Europe and from the international market.

Espica's vision is clear and transparent, we want to be as close as possible to the **needs of our customers**.

For this reason, over the years, we have expanded the range of our products so as to obtain a complete and functional catalog for each project.

Espica products' are available at high quality and maintain an excellent cost-quality balance.

Espica,
your new technical lighting partner.



Atria
top pole luminaire



Milano
Italia

Sofia
Bulgaria

Dubai
UAE

WORLD PRESENCE.

We have a deep-rooted and strong presence all over the world.

We are particularly careful to develop a **follow-up of projects** on a local scale.

Our service doesn't stop at the sale of lighting fixtures, we believe in **customer assistance** and support for all the professionals who need lighting consultancy. Being a **lighting partner** means - in practice - supporting our customers throughout the process of managing the lighting order.

The operational headquarters and production are based in **Bulgaria**, directly facing the European market.

Our Research & Design laboratories are located in **Milan**, in the heart of the old continent.

We have a solid commercial network located in **Dubai**, where one of our showrooms is also located.

OUTDOOR.

Top pole luminaires



CARINA 14



GATRIA 34



ATRIA 42



LEO 50

Flood / Tunnel lights



MATRIX 56



ELECTRA 72



POLARIS 84



ALYA 100

High / Low bays

Linear outdoor



DARA 108



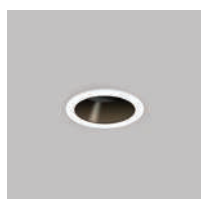
STRIPLED 114

INDOOR.

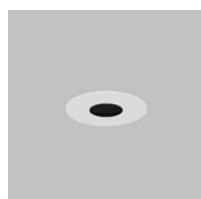
Downlights



MARS 124



FELIS D 142



FELIS P 154



FELIS S 158

Linear indoor



LYNX 162



MAYA 168



TYL 174



STRIPIED 184

Led panels



VILKA 194



A serene landscape photograph capturing a sunset. The sun is positioned on the left side of the frame, casting a warm, golden glow across the sky and reflecting on the water below. The sky is filled with soft, wispy clouds, and the water shows gentle ripples. In the foreground, a dark silhouette of a hill or dune spans the width of the image. Several small, dark figures of people are scattered along the crest of the hill, some standing and some appearing to be in conversation. The overall mood is peaceful and contemplative.

#outdoor

CARINA

The complete range of products for your urban lighting projects.

Carina is a studied mix of design, visual comfort and maximum **flexibility of use**.

Thanks to its adjustable inclination joint it can be installed both at the top of the pole on supports with a diameter from 33mm up to 60mm and on a lateral arm.

The uniform and glare-free light distribution is combined with **excellent luminous efficacy** and lifetime performance, making Carina the **best solution for urban lighting**.

Thanks to its functionality and **excellent lighting performance**, Carina is the ideal product family for any type of outdoor installation, both on streets and walkways as well as squares and large areas.

The Carina range features an essential and timeless design, colour temperatures from 3000K up to 6500K and a high luminous efficacy.

Available in different finishes, equipped with an extensive range of optical solutions and designed for **integration with smart city systems**, Carina is the perfect product to satisfy the requests of any lighting designer.



QUICK HANDBOOK.

carina family

LED Modules	Mid Module, High Module
Power	from 20 W up to 250 W
Luminous Efficiency	up to 125 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	10000 hrs
IP Rating	IP 66
IK Rating	IK 09
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	Street Type I, II, III, V, VS, Asymmetric, ExtraWide



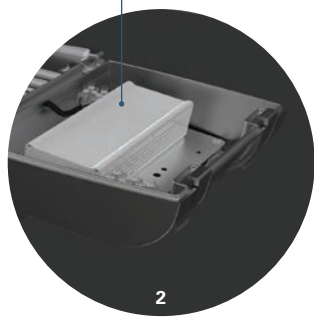
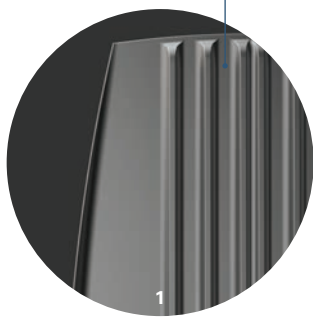


FEATURES.



EASINESS AND VERSATILITY

Each outdoor installation requires different power and luminous flux values. This is why Carina offers an extraordinarily **simple maintenance and management system** for the technical compartment. Door opens with **a simple click** and swings up to reveal the technical compartment. A practical and functional design grants the possibility to easily remove and replace driver and cables.



1.
Body in die-cast aluminium with electrostatic powder painting.

2.
Technical compartment including drivers, cables and cable glands.

3.
Mounting arm with adjustment system

EASE OF USE

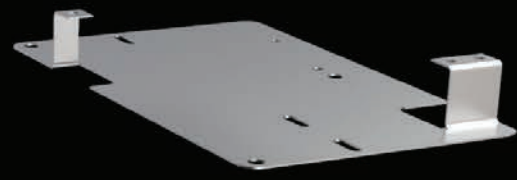
The lock handle with **self-locking springs** is simple and immediate. To uncover Carina all you have to do is unlock the two handles on the back of the product. When product is closed high levels of Ingress Protection are safed together with a waterproofing system on top and a strong resistance to corrosion.



Door



Driver

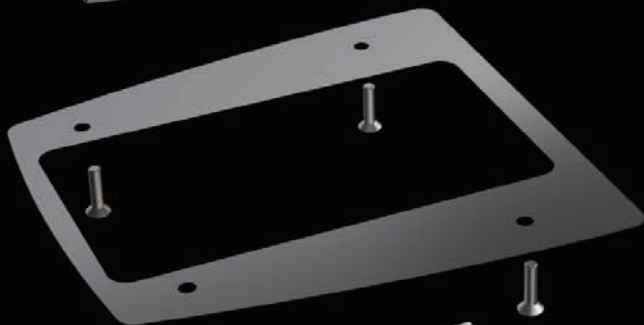


Body



Handles

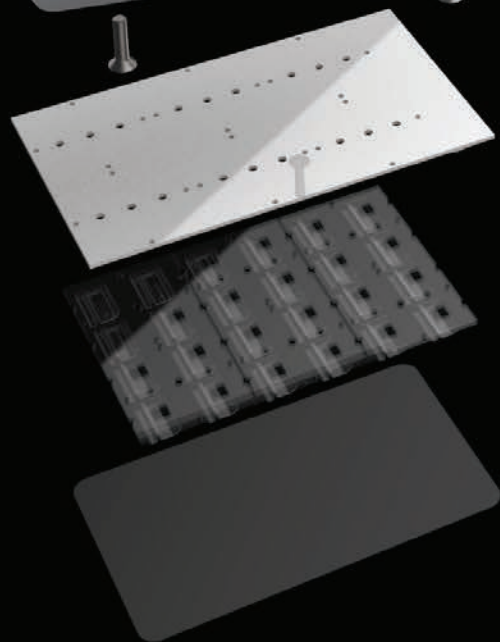
Screen



Pipe holder



Led and lens module



Pole



LENS SYSTEM AND LED MODULES

The key to the luminous efficacy of Carina family is undoubtedly the use of a combined system of LED modules and lenses that allow **uniform distribution** of the light beam, **visual comfort** and **chromatic stability**.

High Module is the last generation of the Espica led modules based on High-power LEDs to provide the technical requirements of road and urban applications with high efficiency.

Mid Module has been designed for those looking for a mid-power LED to have a more economical alternative with the same luminaire footprint.

LED modules mounted on a rigid and thermally conductive substrate



Integrated polycarbonate high-tech lenses



HEATING DISSIPATION

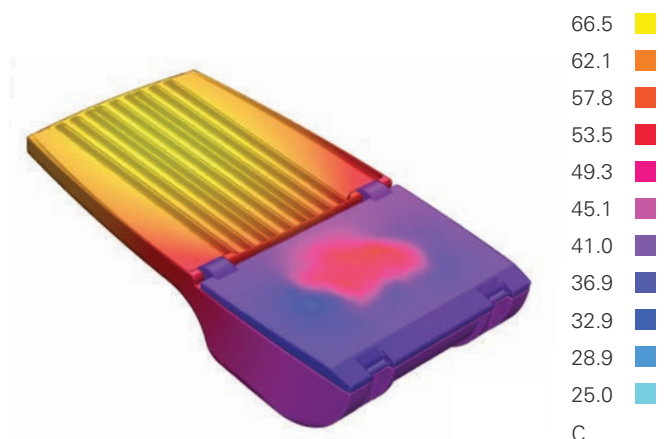
The thermal behavior of a product is essential to guarantee a **long life** and **perfect functioning**.

The modified system of temperature control of Carina consists of **thermal blades** which dissipate the heat in the compartment.

Plus, our lighting fixture is equipped with a heat dissipation system able to maintain the junction temperature low, extending in this way the life of the light source.

Of course we tested the worst-case condition.

Thanks to thermographic and fluid-dynamic simulations, we are able to define the best geometry for our products in order to maintain a constant LED operating temperature.



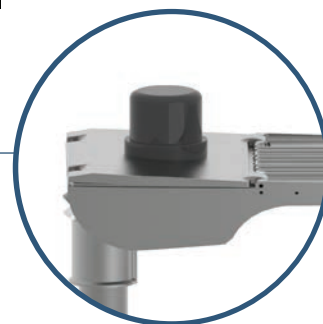
- 66.5 ■
 - 62.1 ■
 - 57.8 ■
 - 53.5 ■
 - 49.3 ■
 - 45.1 ■
 - 41.0 ■
 - 36.9 ■
 - 32.9 ■
 - 28.9 ■
 - 25.0 ■
- C



SMART ACCESSORIES

Carina offers a full range of light control possibilities. Managing the flux, power and switch-on time of luminaires is a fundamental requirement for modern urban spaces, increasingly conditioned by the issue of **sustainability** and **energy saving**.

radio device with socket connection

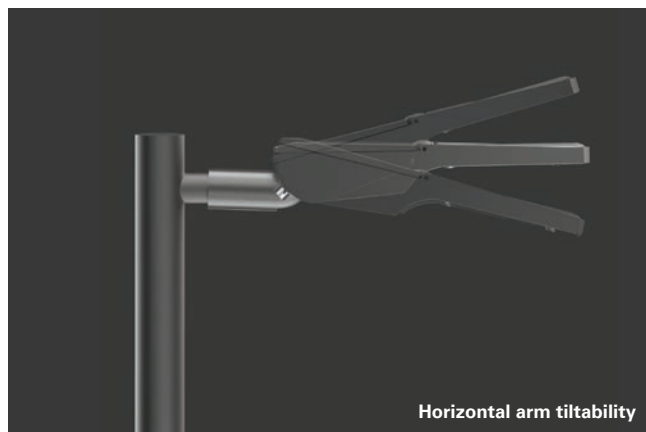


TILTABILITY

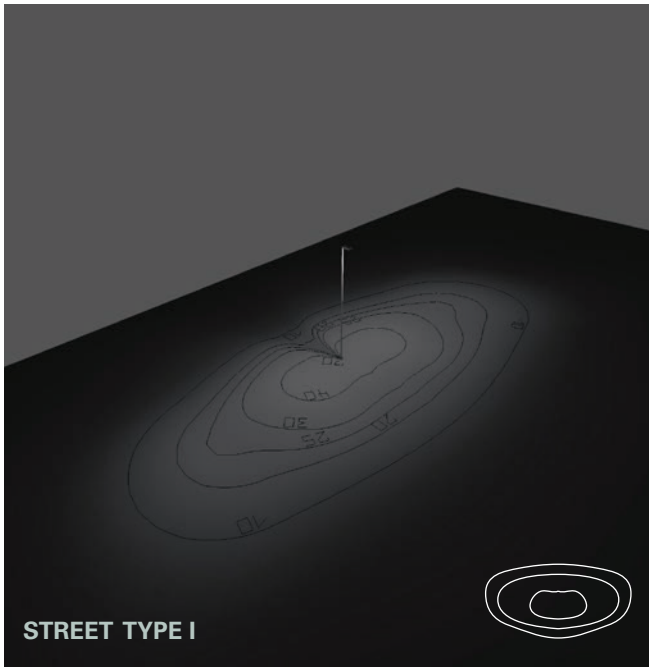
Thanks to a **practical assembly system**, the Carina system allows the lamp body to be oriented according to project requirements.

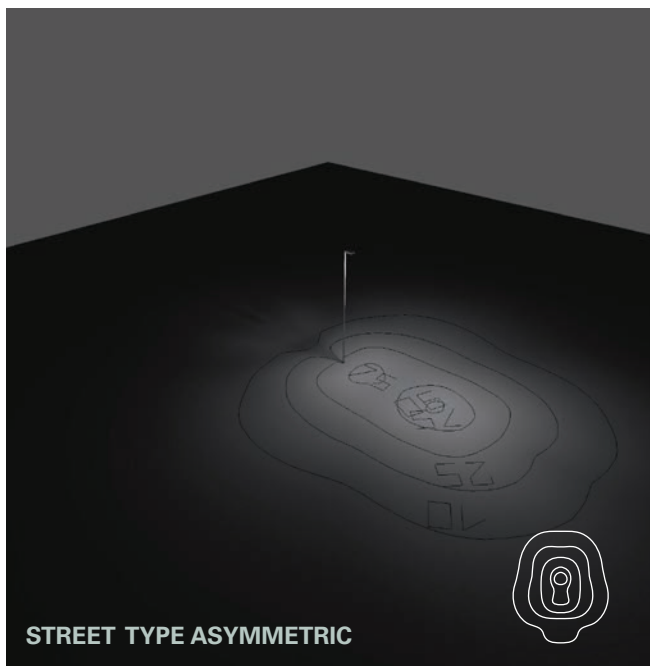
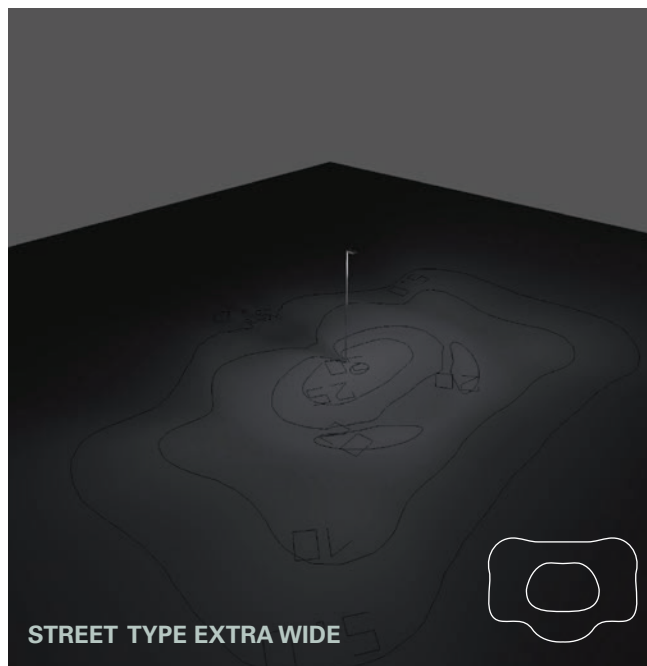
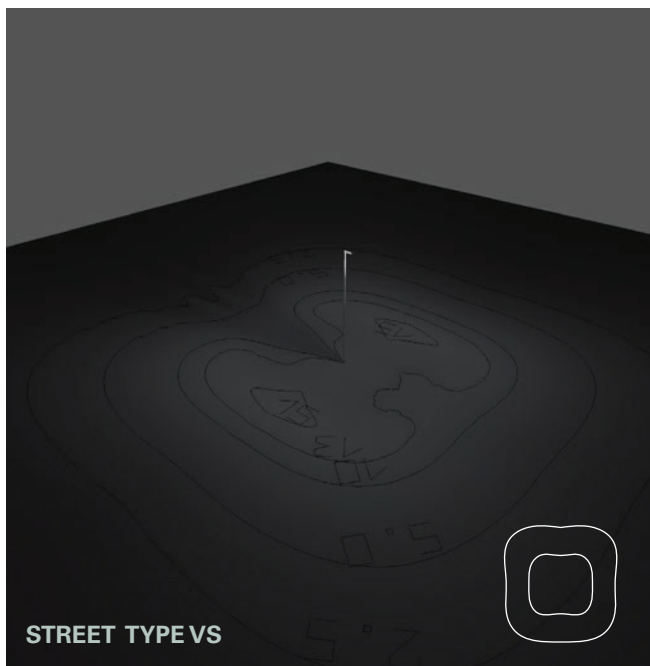
In the version with horizontal arm the post-top can turn from -15° up to $+15^\circ$, in the version with vertical arm the post-top can turn from $+75^\circ$ up to 105° .

Furthermore, Carina can be installed on different pole sizes, from 33mm up to 60mm.



OPTIC SOLUTIONS.





Correct LED street lighting must guarantee **maximum visual quality, safety** and **energy efficiency**. This is the main reason that dwells in Carina's family design. The goal of street lighting is therefore to allow citizens to move in safety with excellent visibility conditions and allow administrations to save on energy costs.

The renewed optical system of Carina guarantees excellent lighting performance, an infallible **anti-glare system** and a light cutoff equal to zero.

Carina is the best solution in order to ensure **visual perception for the driver** and maximum visual comfort for pedestrians on all types of roads. Plus, the optics of our products also **reduce light pollution**, illuminating efficiently only where necessary.



INDEX.

CARINA 1

p.26



from 20 up to 50 W
from 2500 up to 6310 lm
pipe holder diameter Ø 33-42 mm
weight 2.6-3 Kg

CARINA 2

p.28



from 60 up to 100 W
from 6200 up to 13000 lm
pipe holder diameter Ø 42-48 mm
weight 4.6 Kg

CARINA 3

p.30



from 120 up to 150 W
from 13000 up to 21000 lm
pipe holder diameter Ø 42-48 mm
weight 6.5 Kg

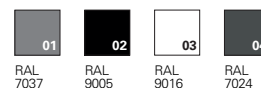
CARINA 4

p.32

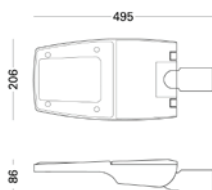


from 200 up to 250 W
from 21000 up to 35000 lm
pipe holder diameter Ø 48-60 mm
weight 12.3 Kg

CARINA 1



Pole head



Kg
2.6



CARINA 1 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-CA1	HP High Power	020 20W	30 3000K	04 StreetTypeV	01 RAL 7037
		025 25W	40 4000K	05 StreetTypeVS	02 RAL 9005
		030 30W	50 5000K	06 Asymmetric	03 RAL 9016
		035 35W	65 6500K	07 ExtraWide	04 RAL 7024
		040 40W			
		050 50W			

Code example:
ES-CA1 HP 025 30 01 02

20W

8 LED - 0.09 A | values calculated with beam angle StreetType VS

Colour T (K)	Delivered lumen (lm)
3000K	2697
4000K	2803
5000K	2803
6500K	2727

30W

16 LED - 0.13 A | values calculated with beam angle StreetType VS

Colour T (K)	Delivered lumen (lm)
3000K	4045
4000K	4204
5000K	4204
6500K	4090

40W

16 LED - 0.18 A | values calculated with beam angle StreetType VS

Colour T (K)	Delivered lumen (lm)
3000K	5394
4000K	5606
5000K	5606
6500K	5454

25W

16 LED - 0.11 A | values calculated with beam angle StreetType VS

Colour T (K)	Delivered lumen (lm)
3000K	3370
4000K	3503
5000K	3503
6500K	3408

35W

16 LED - 0.16 A | values calculated with beam angle StreetType VS

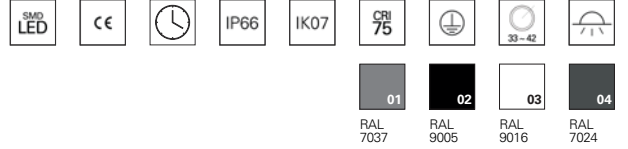
Colour T (K)	Delivered lumen (lm)
3000K	4719
4000K	4905
5000K	4905
6500K	4772

50W

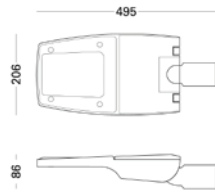
24 LED - 0.22 A | values calculated with beam angle StreetType VS

Colour T (K)	Delivered lumen (lm)
3000K	6702
4000K	6966
5000K	6966
6500K	6777

CARINA 1



Pole head



Kg
2.6



CARINA 1 Mid Module

Code base	LED module	Power (W)	ColourT (K)	Beam angle	Finishes
ES- CA1	MP Mid Power	020 20W	30 3000K	01 Street Type 1	01 RAL 7037
		025 25W	40 4000K	02 Street Type 2	02 RAL 9005
		030 30W	50 5000K	03 Street Type 3	03 RAL 9016
		035 35W	65 6500K		04 RAL 7024
		040 40W			
		050 50W			

Code example:
ES-CA1 MP 025 30 01 02

20W

32 LED- 0.09 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	2350
4000K	2523
5000K	2523
6500K	2500

30W

64 LED- 0.13 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	3525
4000K	3785
5000K	3785
6500K	3750

40W

64 LED- 0.18 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	4700
4000K	5047
5000K	5047
6500K	5000

25W

64 LED- 0.11 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	2938
4000K	3155
5000K	3155
6500K	3126

35W

64 LED- 0.16 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	4113
4000K	4417
5000K	4417
6500K	4376

50W

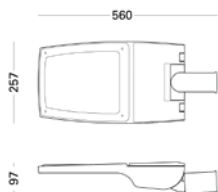
96 LED- 0.22 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	5876
4000K	6310
5000K	6310
6500K	6252

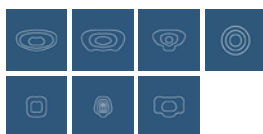
CARINA 2

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

Pole head



Kg
4.6



CARINA 2 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-CA2	HP High Power	060 60W	30 3000K	01 StreetType 1	01 RAL 7037
		080 80W	40 4000K	02 Street Type 2	02 RAL 9005
		100 100W	50 5000K	03 StreetType 3	03 RAL 9016
			65 6500K	23 Street Type 2/3	04 RAL 7024
				04 StreetType V	
				05 Street Type VS	
			06 Asymmetric		
			07 ExtraWide		

Code example:
ES-CA2 HP 100 30 01 02

60W

24 LED- 0.27 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	6798
4000K	6995
5000K	6995
6500K	6873

80W

32 LED- 0.36 A | values calculated with beam angle Street Type 1

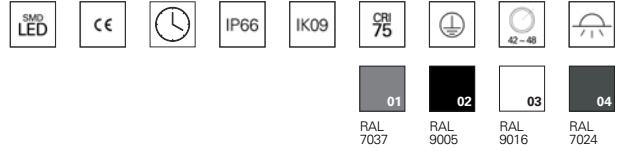
Colour T (K)	Delivered lumen (lm)
3000K	9064
4000K	9327
5000K	9327
6500K	9164

100W

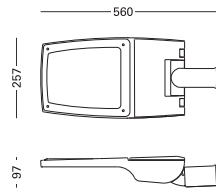
40 LED- 0.45 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	11331
4000K	11660
5000K	11660
6500K	11456

CARINA 2



Pole head



Kg
4.6



CARINA 2 Mid Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-CA2	MP Mid Power	060 60W	30 3000K	01 Street Type 1	01 RAL 7037
		080 80W	40 4000K	02 Street Type 2	02 RAL 9005
		100 100W	50 5000K	03 Street Type 3	03 RAL 9016
			65 6500K		04 RAL 7024

Code example:
ES-CA2 MP 060 30 01 02

60W

96 LED - 0.27 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	7221
4000K	7755
5000K	7755
6500K	7683

100W

160 LED - 0.45 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	12034
4000K	12925
5000K	12925
6500K	12804

80W

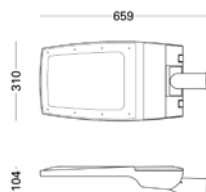
128 LED - 0.36 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	9628
4000K	10340
5000K	10340
6500K	10244

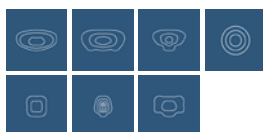
CARINA 3

01 02 03 04
 RAL 7037 RAL 9005 RAL 9016 RAL 7024

Pole head



Kg
6.5



CARINA 3 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-CA3	HP High Power	120 120W	30 3000K	01 StreetType 1	01 RAL 7037
		150 150W	40 4000K	02 StreetType 2	02 RAL 9005
			50 5000K	03 StreetType 3	03 RAL 9016
			65 6500K	23 StreetType 2/3	04 RAL 7024
				04 StreetType V	
				05 StreetType VS	
				06 Asymmetric	
				07 ExtraWide	

Code example:
ES-CA3 HP 120 30 01 02

120W

48 LED- 0.54 A | values calculated with beam angle Street Type 2 & 3

Colour T (K)	Delivered lumen (lm)
3000K	14065
4000K	14473
5000K	14473
6500K	14220

150W

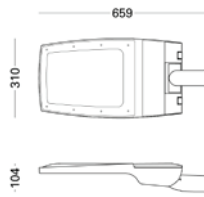
40 LED- 0.68 A | values calculated with beam angle Street Type 2 & 3

Colour T (K)	Delivered lumen (lm)
3000K	17594
4000K	18104
5000K	18104
6500K	17788

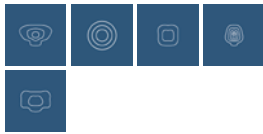
CARINA 3

01 RAL 7037
 02 RAL 9005
 03 RAL 9016
 04 RAL 7024

Pole head



Kg
6.5



CARINA 3 Mid Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-CA3	MP Mid Power	120 120W	30 3000K	03 Street Type 3	01 RAL 7037
		150 150W	40 4000K	23 Street Type 2/3	02 RAL 9005
			50 5000K	04 Street Type V	03 RAL 9016
			65 6500K	05 Street Type VS	04 RAL 7024
				06 Asymmetric	
			07 ExtraWide		

Code example:
ES-CA3 MP 150 30 01 02

120W

192 LED - 0.54 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	15184
4000K	16308
5000K	16308
6500K	16156

150W

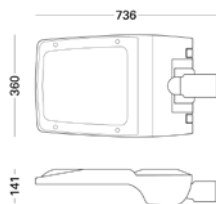
240 LED - 0.68 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	18980
4000K	20250
5000K	20385
6500K	20195

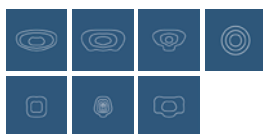
CARINA 4

01 02 03 04
 RAL 7037 RAL 9005 RAL 9016 RAL 7024

Pole head



Kg
12.3



CARINA 4 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-CA4	HP High Power	200 200W	30 3000K	01 StreetType 1	01 RAL 7037
		250 250W	40 4000K	02 Street Type 2	02 RAL 9005
			50 5000K	03 Street Type 3	03 RAL 9016
			65 6500K	23 Street Type 2/3	04 RAL 7024
				04 StreetType V	
				05 Street Type VS	
				06 Asymmetric	
				07 ExtraWide	

Code example:

ES-CA4 HP 200 30 01 02

200W

80 LED- 0.91 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	21729
4000K	22359
5000K	22359
6500K	22359

250W

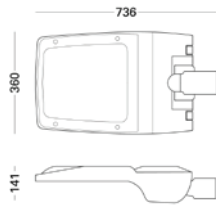
96 LED- 1.14 A | values calculated with beam angle Street Type 1

Colour T (K)	Delivered lumen (lm)
3000K	27161
4000K	27949
5000K	27949
6500K	27949

CARINA 4

01 02 03 04
 RAL 7037 RAL 9005 RAL 9016 RAL 7024

Pole head



Kg
12.3



CARINA 4 Mid Module

Code base	LED module	Power (W)	ColourT (K)	Beam angle	Finishes
ES-CA4	MP Mid Power	200 200W	30 3000K	01 Street Type 1	01 RAL 7037
		250 250W	40 4000K	02 Street Type 2	02 RAL 9005
			50 5000K	03 Street Type 3	03 RAL 9016
			65 6500K		04 RAL 7024

Code example:
ES-CA4 MP 250 30 01 02

200W

320 LED- 0.91 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	22417
4000K	24076
5000K	24076
6500K	23852

250W

384 LED- 1.14 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	28021
4000K	30095
5000K	30095
6500K	29814

GATRIA

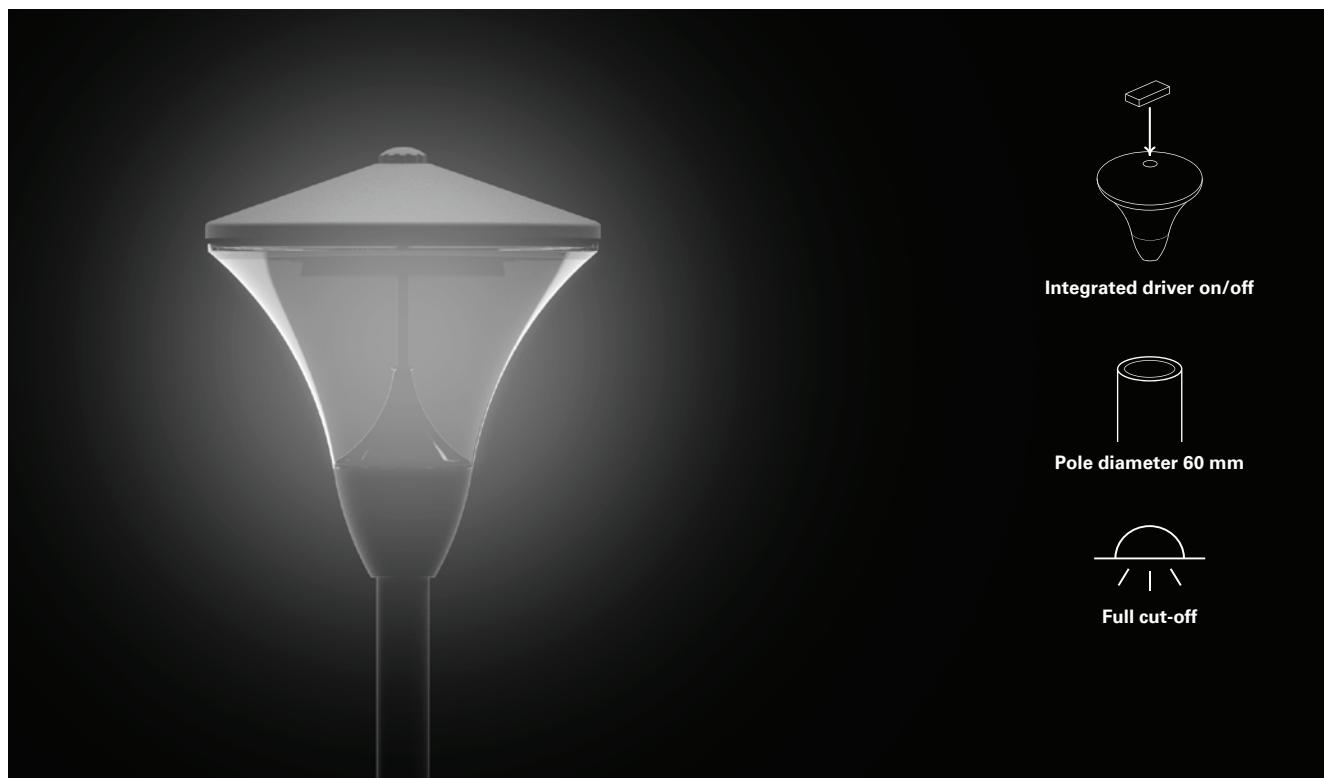
Gatria is a cutting-edge LED luminaire designed specifically for pole installations. Its sleek design is complemented by an advanced heat dissipation system, making it the perfect choice for outdoor lighting. With its **unique shape**, the product ensures **complete light cut-off**, extremely **low power consumption**, and **high luminous efficiency**. The Gatria range is available in a variety of color temperatures ranging from 3000K to 6500K. Additionally, due to its mechanical characteristics and the absence of mercury in its structure, Gatria maintains consistent power consumption and light output across a wide range of supply voltages, making it an exceptionally **environmentally friendly product**.

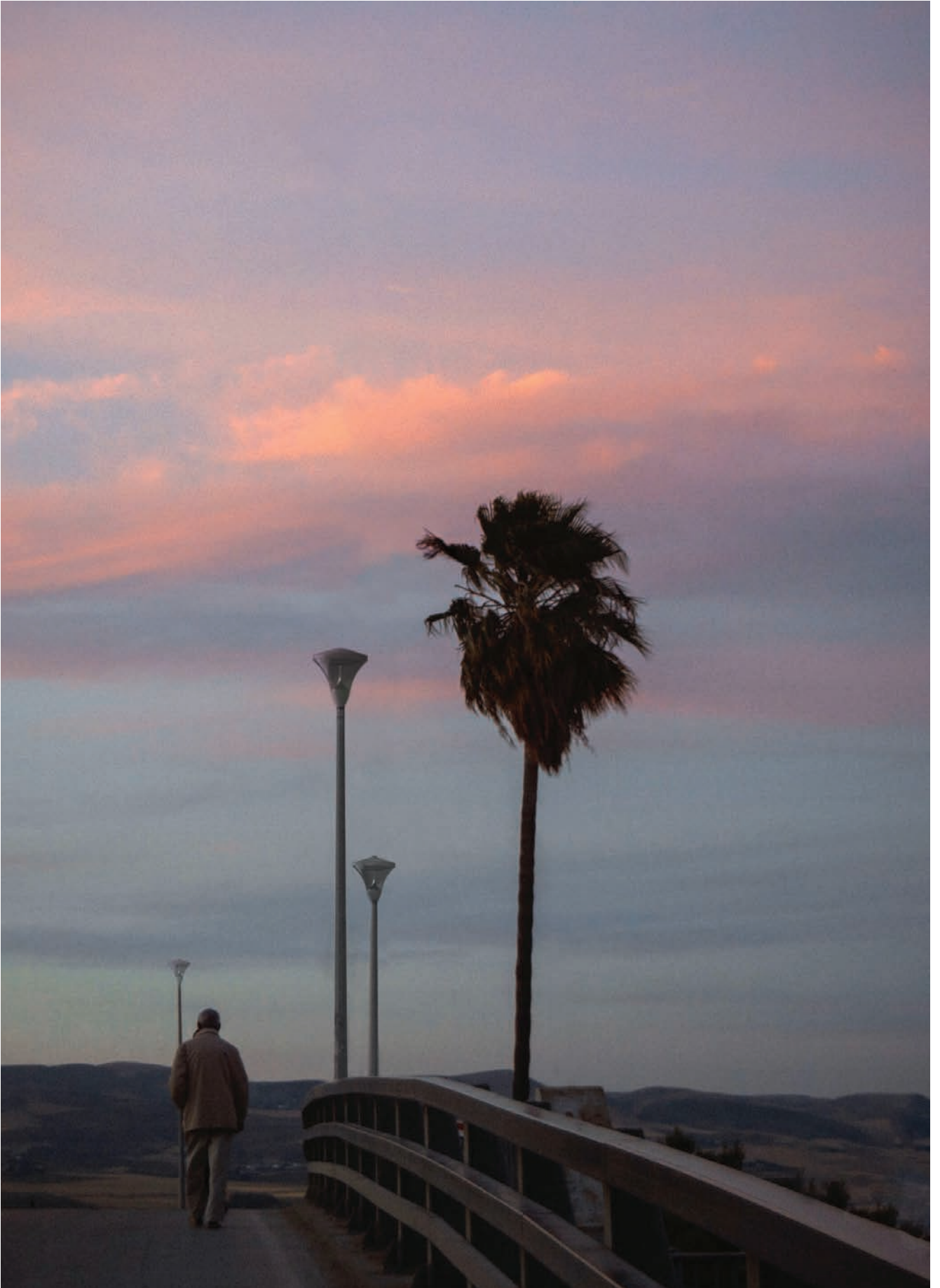


QUICK HANDBOOK.

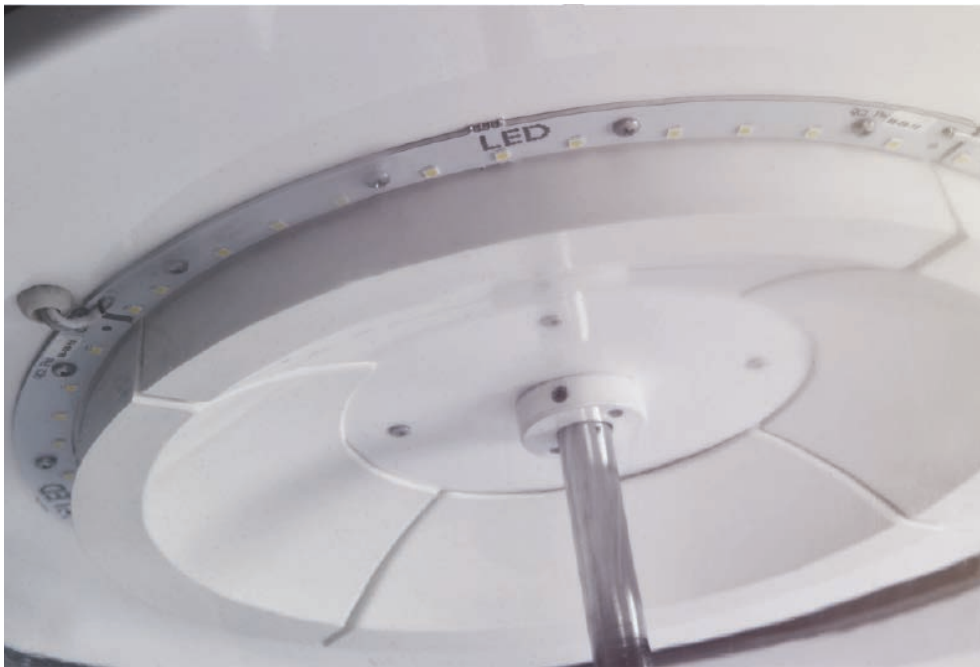
gatria

LED Modules	Mid Module
Power	35 W
Luminous Efficiency	up to 114 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	10000 hrs
IP Rating	IP 65
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	Symmetric





FEATURES.



FINE DESIGN

Gatria is a design masterpiece perfect for illuminating **gardens, walkways, pathways,** and **public spaces.** Its elegant geometric shape blends harmoniously with the surrounding environment, while the **high-quality finishes** add a touch of sophistication. Equipped with LED technology, it provides bright and long-lasting light while ensuring low energy consumption. Gatria combines **aesthetics** and **functionality,** making every outdoor setting sophisticated and inviting.

DOUBLE VERSION

The Gatria family offers **two versions** that are only apparently equivalent. For the same wattage, the **Gatria NS** expresses a higher lumen output value, achieving excellent levels of system luminous efficiency compared to **Gatria NC.** Two different pole head versions to meet all the needs of outdoor projects.



Mounting plate

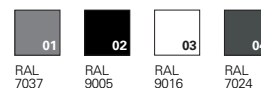
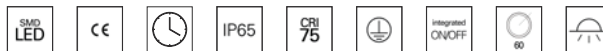
Door

Locking handle

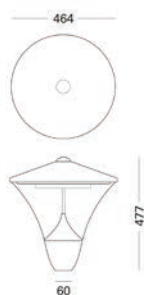
Power supply



GATRIA NC



Pole head



Kg
4.3



GATRIA NC Mid Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-GANC	MP Mid Power	035 35W	30 3000K 40 4000K 50 5000K 65 6500K	13 Symmetric	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

Code example:

ES-GANC MP 035 30 13 02

35W

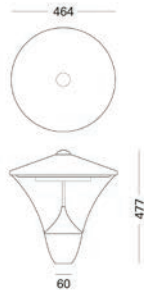
48 LED- 0.16 A | values calculated with beam angle symmetric

Colour T (K)	Delivered lumen (lm)
3000K	4111
4000K	4409
5000K	4409
6500K	4375

GATRIA NS

RAL 7037 RAL 9005 RAL 9016 RAL 7024

Pole head



Kg
3.9



GATRIA NS Mid Module

Code base	LED module	Power (W)	ColourT (K)	Beam angle	Finishes
ES- GANS	MP Mid Power	035 35W	30 3000K 40 4000K 50 5000K 65 6500K	13 Symmetric	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

Code example:

ES-GANS MP 035 40 13 04

35W

48 LED- 0.16 A | values calculated with beam angle symmetric

ColourT (K)	Delivered lumen (lm)
3000K	4473
4000K	4797
5000K	4797
6500K	4760

ATRIA

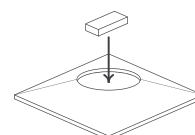
Atria is a top pole luminaire entirely designed with **LED technology**. Enhanced by a stylish design with advanced **heat dissipating system**, Atria is the perfect partner for outdoor lighting. Thanks to its particular shape, the product guarantees a complete **cut-off, very low power consumption** and **high luminous efficiency**. The range is available in colour temperatures from 3000K up to 6500K, plus- thanks to its mechanical characteristics and the fact that it does not use mercury material in the structure- Atria expresses a constant power consumption and light output in a wide range of supply voltage, resulting an extraordinarily **environmentally friendly product**.



QUICK HANDBOOK.

atria

LED Modules	Mid Module
Power	35 W
Luminous Efficiency	up to 114 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	10000 hrs
IP Rating	IP 65
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	Symmetric



Integrated driver on/off



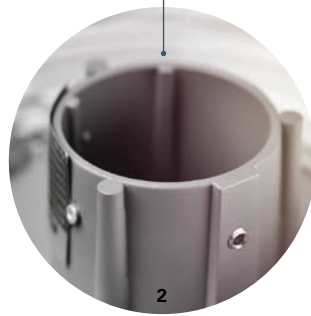
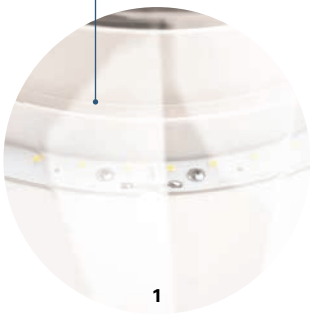
Pole diameter 60 mm



Full cut-off



FEATURES.



FINE DESIGN

Atria is a design masterpiece perfect for illuminating **gardens, walkways, pathways, and public spaces**. Its elegant geometric shape blends harmoniously with the surrounding environment, while the **high-quality finishes** add a touch of sophistication. Equipped with LED technology, it provides bright and long-lasting light while ensuring low energy consumption. Atria combines **aesthetics** and **functionality**, making every outdoor setting sophisticated and inviting.

1.
PCB topped by light transmitting part

2.
Pole connection

DRIVER INTEGRATED

Atria has an integrated driver, bringing added **convenience** and **efficiency**. Installation becomes easier, eliminating the need for external wiring or separate driver units. Furthermore, this enhances **inspection simplicity**, as there is no need to access separate compartments.



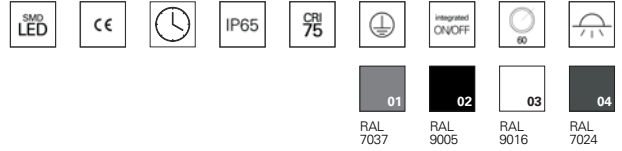
Door

Body

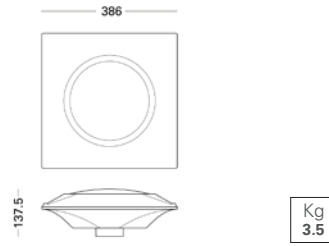
Fixing screws

Power supply





Pole head



ATRIA Mid Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-AT	MP Mid Power	035 35W	30 3000K 40 4000K 50 5000K 65 6500K	13 Symmetric	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

Code example:
ES-AT MP 035 30 13 02

35W

48 LED- 0.16 A | values calculated with beam angle symmetric

Colour T (K)	Delivered lumen (lm)
3000K	3724
4000K	3993
5000K	3993
6500K	3962

AN IDEA OF APPLICATION

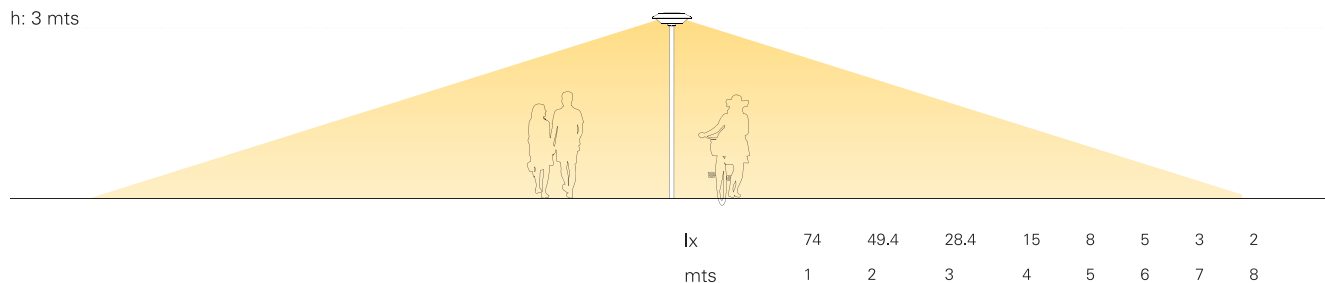
Pedestrians and cyclists, as well as the walkways or cycle paths, must be **easy to detect visually**.

Good face recognition conveys a feeling of safety. The two standard configurations, symmetrical with height 3 and 4 meters, share exceptional light efficiency as well as lighting precision.

Suitable lighting ensures the safety of the cyclists and pedestrians, on streets, walkways and cycle paths by enabling face recognition. The standard symmetrical configurations, with the 3 and 4-meter height provide **efficient** and **precise lighting**.

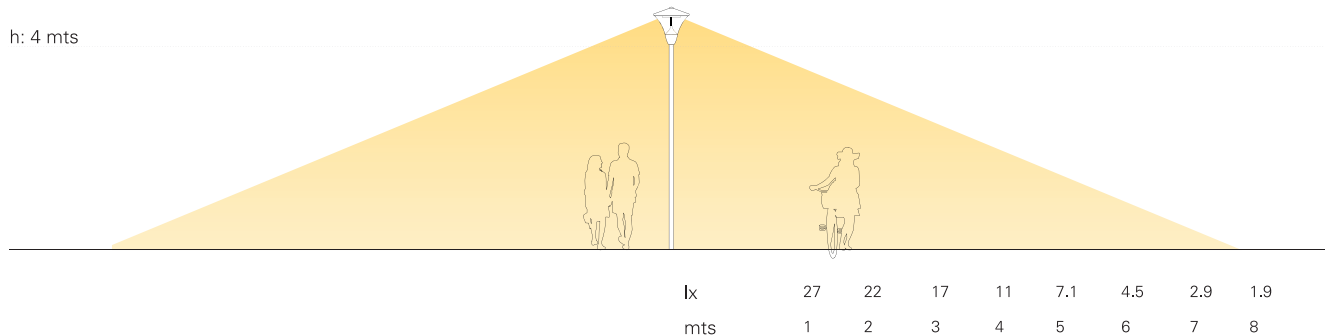
Typical application with **Atria** arranged at a height of 3 meters

h: 3 mts



Typical application with **Gatria** arranged at a height of 4 meters

h: 4 mts



LEO

Leo is an outdoor lighting fitting equipped with **high luminous efficiency** LEDs. Characterized by a pure, essential and immortal design, Leo is ideal for creating **decorative light effects** in outdoor environments.

Leo is available in different dimensions, from a minimum of 340 mm up to 1000 mm. Leo is the indispensable tool to bring light into pedestrian areas, lanes, terraces, open galleries and public or private gardens.



QUICK HANDBOOK.

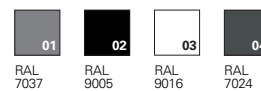
leo

Power	18 W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	100000 hrs
IP Rating	IP 65
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	Symmetric





LEO I



Bollard



Kg
4.5



LEO I

Code base	Height	Power (W)	Colour T (K)	Beam angle	Finishes					
ES-LEI	34	340 mm	18	18W	30	3000K	15	Symmetric	01	RAL 7037
	60	600 mm	40	4000K	02	RAL 9005				
	84	840 mm	50	5000K	03	RAL 9016				
	10	1000 mm	65	6500K	04	RAL 7024				

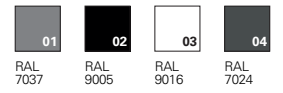
Code example:
ES-LEI 34 18 30 15 02

18W

20 LED- 0.08 A | values calculated with beam angle Symmetric

Colour T (K)	Delivered lumen (lm)
3000K	1425
4000K	1492
5000K	1492
6500K	1448

LEOV



Bollard



Kg
4.5



LEOV

Code base	Height	Power (W)	ColourT (K)	Beam angle	Finishes
ES-LEV	34 340 mm	18 18W	30 3000K	15 Symmetric	01 RAL 7037
	60 600 mm		40 4000K		02 RAL 9005
	84 840 mm		50 5000K		03 RAL 9016
	10 1000 mm		65 6500K		04 RAL 7024

Code example:
ES-LEV 34 18 50 15 02

18W

20 LED- 0.08 A | values calculated with beam angle Symmetric

ColourT (K)	Delivered lumen (lm)
3000K	1425
4000K	1492
5000K	1492
6500K	1448

MATRIX

A complete family of projectors of all powers and dimensions.

Matrix is a **compact, modular** and **carefully designed** product. Thanks to the modularity of the optical system, it is possible to combine up to 12 basic modules. The uniform and glare-free light distribution is combined with **excellent luminous efficacy** and lifetime performance, making Matrix the **best solution for floodlighting** and **tunnel light**.

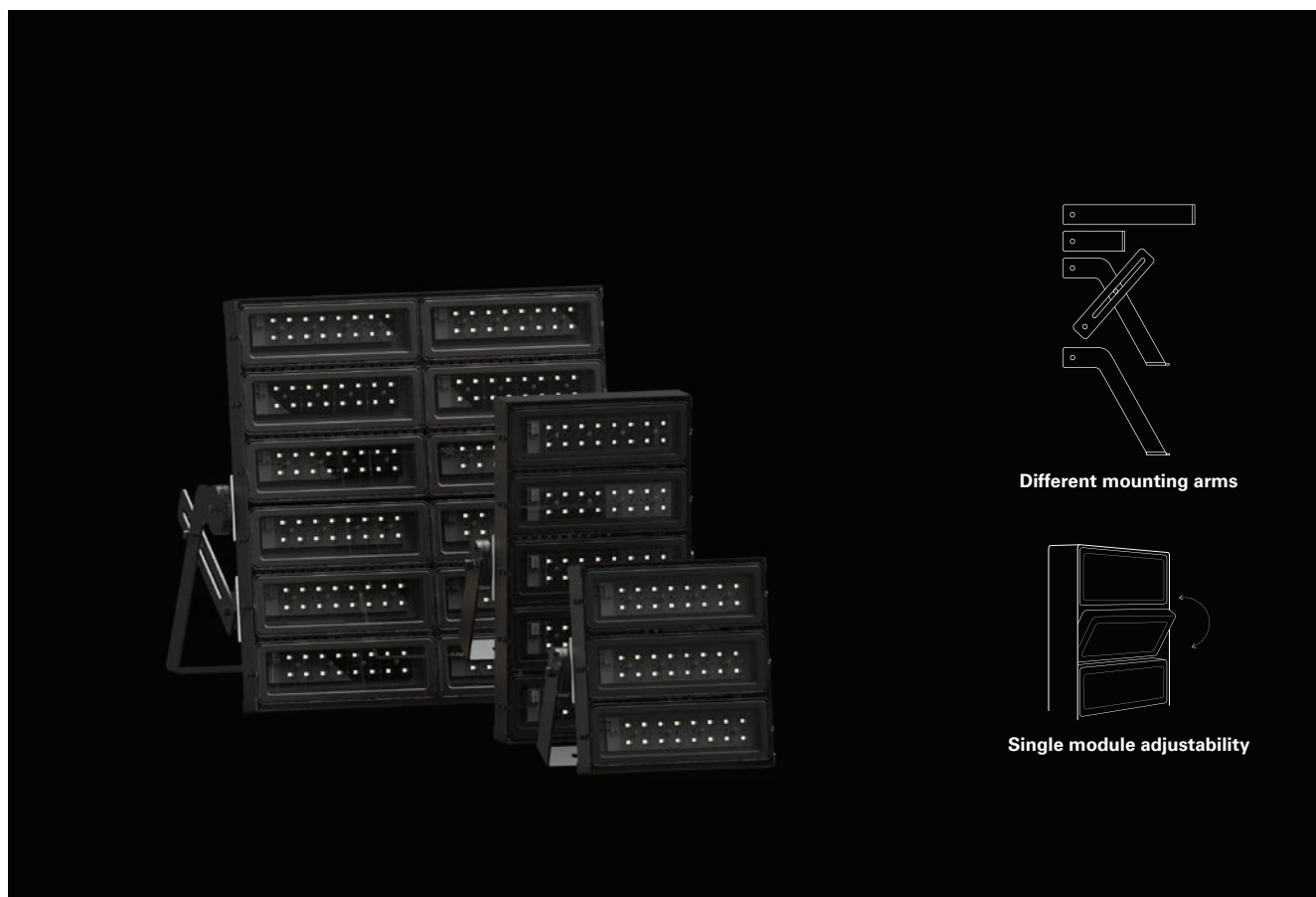
With its modularity and **excellent lighting performance**, Matrix is the ideal product for various outdoor applications with particular performance in **tunnels** and on **high towers**. The Matrix family features a compact and contemporary design, colour temperatures from 3000K up to 6500K and a high luminous efficiency. Equipped with standard power supply with precise current control, high power factor and low harmonic distortion, Matrix is available in different wattages and sizes, configuring itself as the perfect range for illuminating large outdoor spaces.

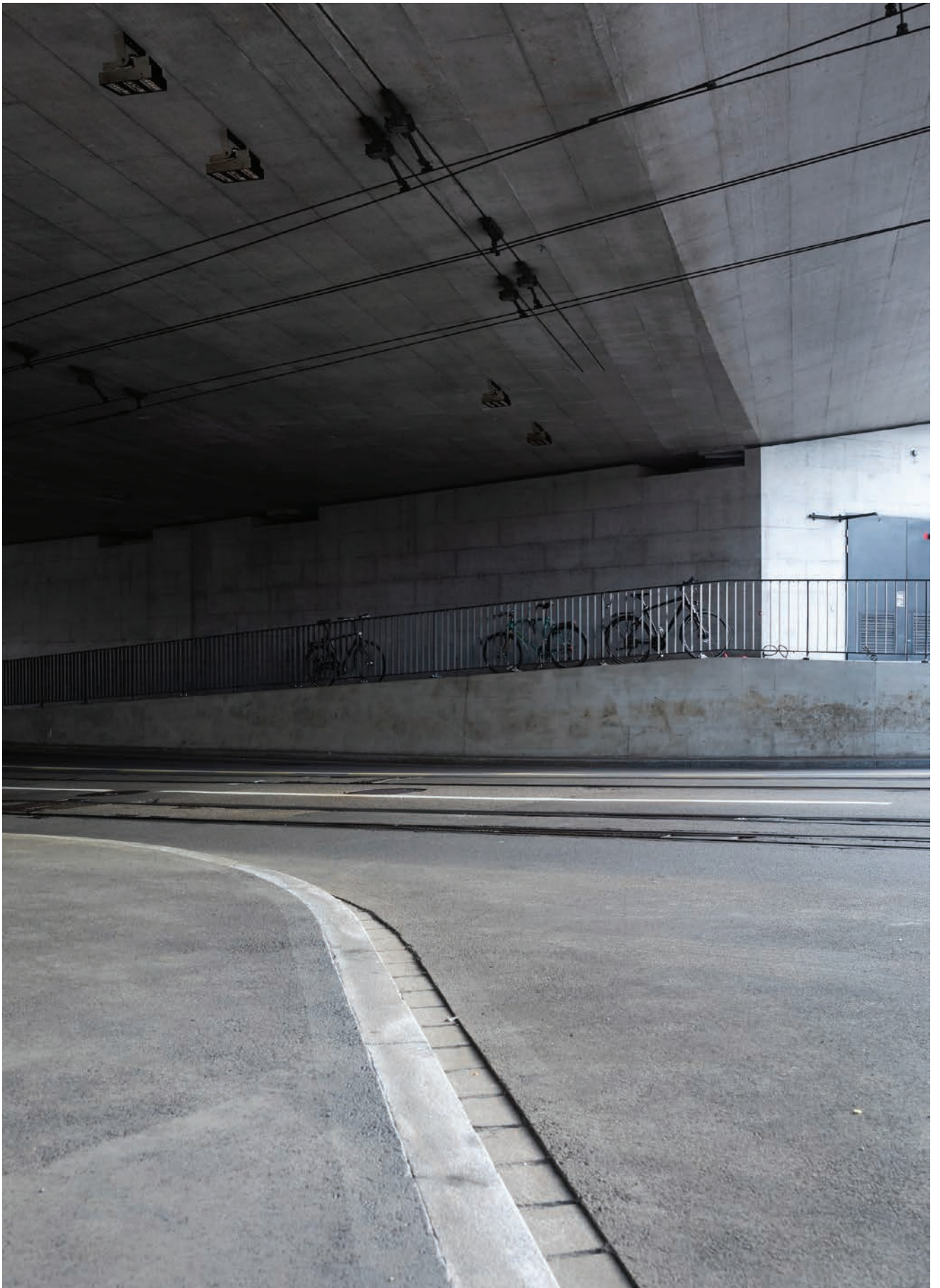


QUICK HANDBOOK.

matrix family

LED Modules	High Module
Power	from 180 W up to 720 W
Luminous Efficiency	up to 107 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	10000 hrs
IP Rating	IP 66
IK Rating	IK 07
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	10°, 25°, 60°, 90°, Sport lighting, Extra Wide, Tunnel Symmetric, Tunnel Counter, Tunnel Batwing, Tunnel Uni/Bilateral





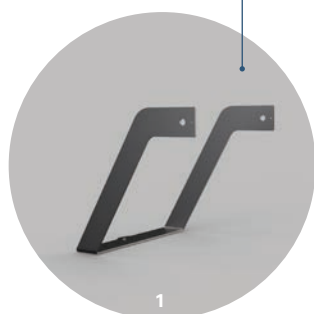
FEATURES.



EASINESS AND VERSATILITY

Matrix is an essential product, built around **two fundamental elements**: the mounting arm, available in different variants, and the light module.

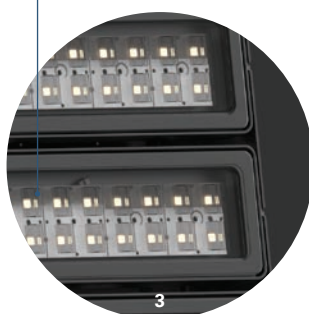
The adjustment ring allows the body of the product to be rotated at different angles and can be locked once the desired inclination has been identified.



1



2

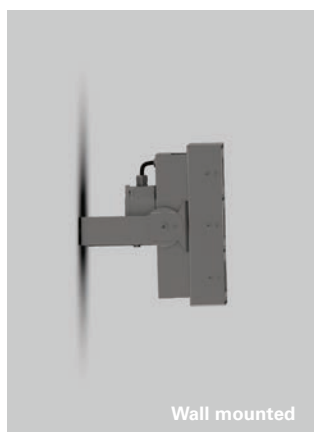


3

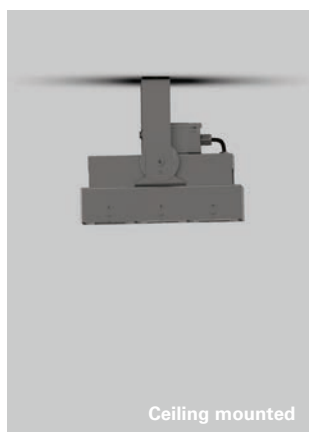
1. Mounting arm
2. Adjustment ring
3. Led and lens module

MOUNTING

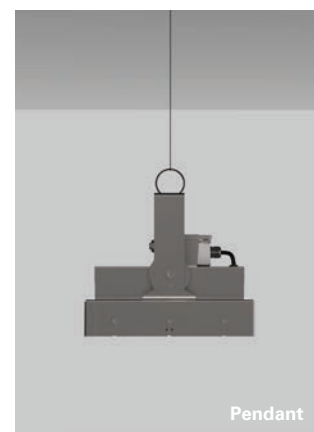
Matrix is an extraordinarily **versatile** product. Designed according to the principles of **modularity** and equipped with **many accessories**, the product can be configured for **wall**, **ceiling** and **suspension** installation.



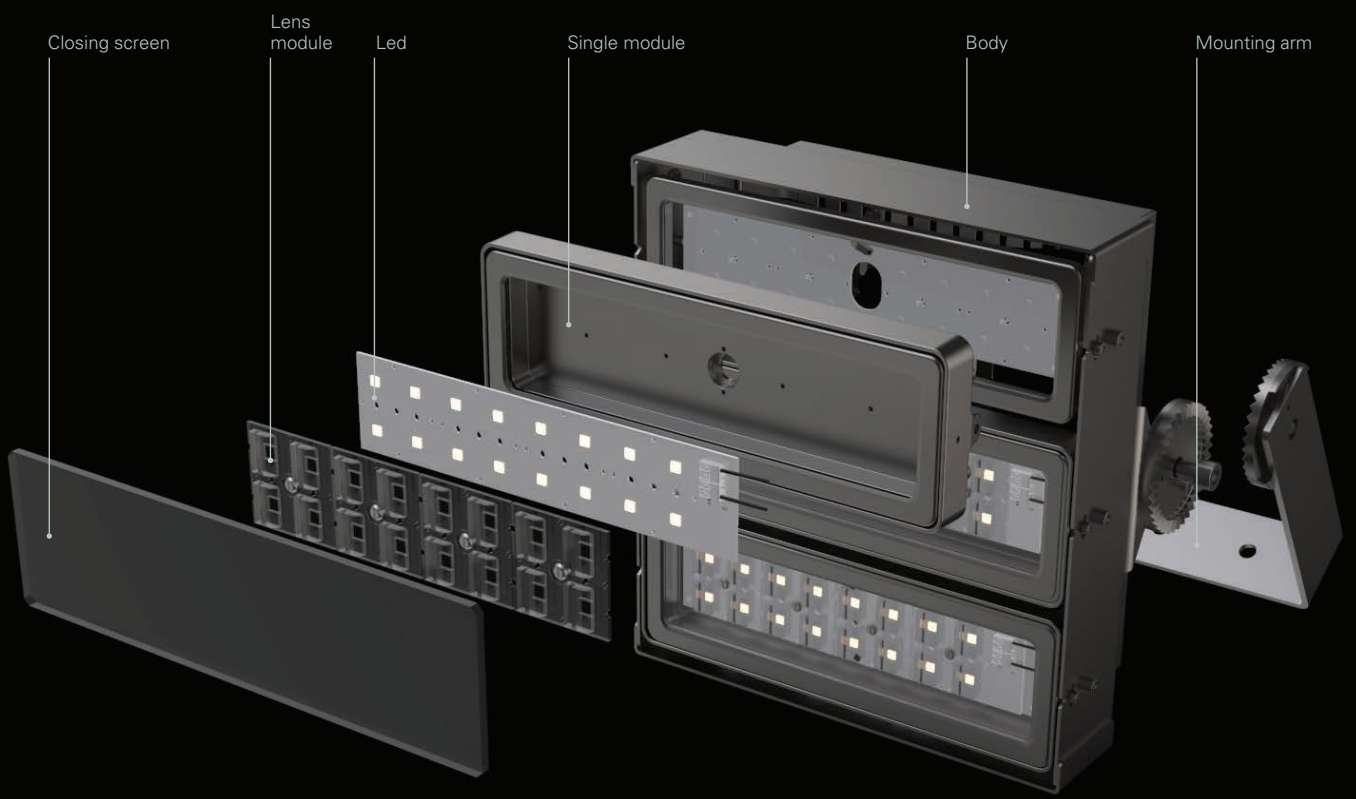
Wall mounted



Ceiling mounted



Pendant



LENS SYSTEM AND LED MODULES

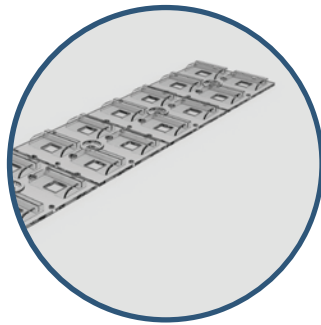
The key to the luminous efficacy of Matrix family is undoubtedly the use of a combined system of LED modules and lenses that allow **uniform distribution** of the light beam, **visual comfort** and **chromatic stability**.

High Module is the last generation of the Espica led modules based on High-power LEDs to provide the technical requirements of road and urban applications with high efficiency.

LED modules mounted on a rigid and thermally conductive substrate



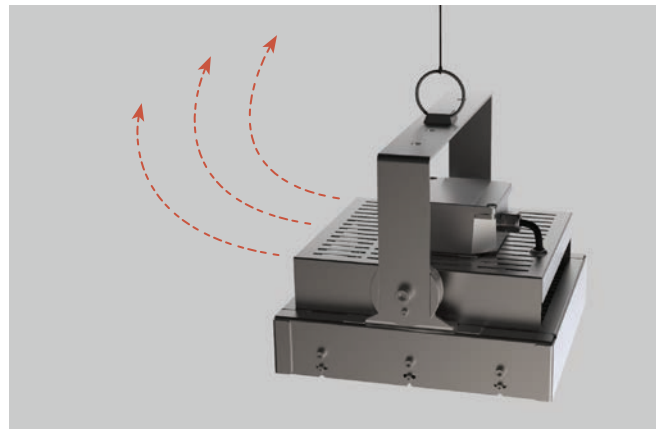
Integrated polycarbonate high-tech lenses



HEATING DISSIPATION

The lighting of large spaces requires high powers, which are often not compatible with the proper functioning of a luminaire.

Matrix is equipped with an **innovative ventilation system** arranged on the non-visible part of the product and capable of dispersing most of the heat produced. This allows Matrix to reach **high levels of lumen output** by keeping constant performance over time.





TILTABILITY

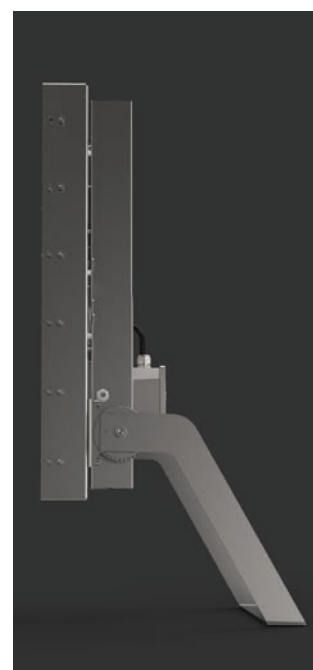
With its incredible **ease of assembly** and different types of installation arms, Matrix can be oriented and locked in place according to different project requirements.

A special **adjustment ring** allows for easy control of the degree of tilt, which ranges from a minimum of 90° to a maximum of 360°. In addition, the individual modules can be oriented according to the horizontal axis by +15° or -15°, offering control over the light and its direction.

MOUNTING SYSTEM

Different mounting systems means different applications and possibilities to cover different lighting needs.

Matrix modules can be installed on **different types of arms** or **suspended**. The oblique arm, for example, is one of the most versatile. It can be mounted on Matrix composed of 4,5,6 or 12 modules, authorizing the product to rotate pointing over 360°. What's more, this type of arm has **different modes of base connection**, to allow application in even the most difficult places.





INDEX.

MATRIX 180

p.66



High module | 180W
Tunnel/wide areas optics
up to 21447 lm

MATRIX 240

p.67



High module | 240W
Tunnel/wide areas optics
up to 27881 lm

MATRIX 300

p.68



High module | 300W
Tunnel/wide areas optics
up to 35216 lm

MATRIX 360

p.69



High module | 360W
Tunnel/wide areas optics
up to 40513 lm

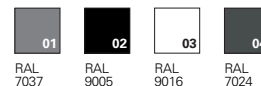
MATRIX 720

p.70



High module | 720W
Tunnel/wide areas optics
up to 81026 lm

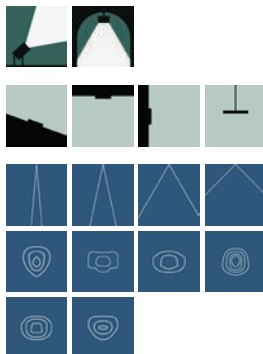
MATRIX 180



3 Modules



Kg
9.5



MATRIX 180 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- MX	HP High Power	180 180W	30 3000K 40 4000K 50 5000K 65 6500K	10 10° 25 25° 60 60° 90 90° 12 Sport lighting 07 ExtraWide 08 Tunnel Symmetric 09 Tunnel Counter 11 Tunnel Batwing 17 Tunnel Uni/Bilateral	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

Code example:
ES-MX HP 180 30 10 02

180W

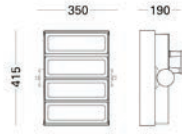
48 LED- 0.82 A | values calculated with beam angle 90°

Colour T (K)	Delivered lumen (lm)
3000K	20632
4000K	21447
5000K	21447
6500K	20954

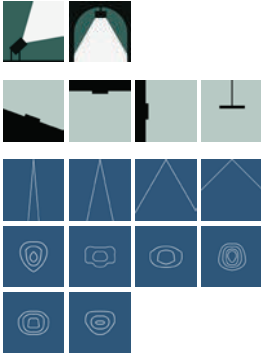
MATRIX 240

01 RAL 7037
 02 RAL 9005
 03 RAL 9016
 04 RAL 7024

4 Modules



Kg
12



MATRIX 240 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- MX	HP High Power	240 240W	30 3000K	10 10°	01 RAL 7037
			40 4000K	25 25°	02 RAL 9005
			50 5000K	60 60°	03 RAL 9016
			65 6500K	90 90°	04 RAL 7024
				12 Sport lighting	
				07 ExtraWide	
	08 Tunnel Symmetric				
	09 Tunnel Counter				
	11 Tunnel Batwing				
	17 Tunnel Uni/Bilateral				

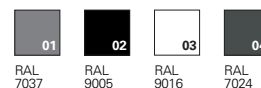
Code example:
ES-MX HP 240 30 25 04

240W

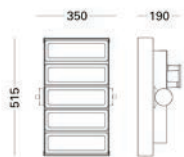
64 LED- 1.1 A | values calculated with beam angle 90°

Colour T (K)	Delivered lumen (lm)
3000K	26822
4000K	27881
5000K	27881
6500K	27240

MATRIX 300



5 Modules



Kg
14.3



MATRIX 300 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- MX	HP High Power	300 300W	30 3000K 40 4000K 50 5000K 65 6500K	10 10° 25 25° 60 60° 90 90° 12 Sport lighting 07 ExtraWide 08 Tunnel Symmetric 09 Tunnel Counter 11 Tunnel Batwing 17 Tunnel Uni/Bilateral	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

Code example:
ES-MX HP 300 40 10 02

300W

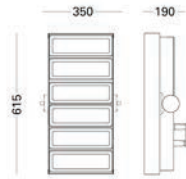
80 LED- 1.37 A | values calculated with beam angle 90°

Colour T (K)	Delivered lumen (lm)
3000K	33878
4000K	35216
5000K	35216
6500K	34406

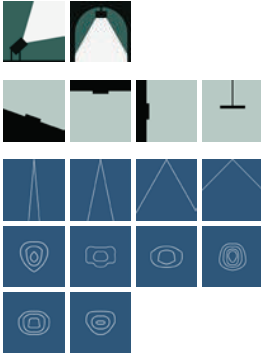
MATRIX 360

01 RAL 7037
02 RAL 9005
03 RAL 9016
04 RAL 7024

6 Modules



Kg
16.5



MATRIX 360 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- MX	HP High Power	360 360W	30 3000K	10 10°	01 RAL 7037
			40 4000K	25 25°	02 RAL 9005
			50 5000K	60 60°	03 RAL 9016
			65 6500K	90 90°	04 RAL 7024
				12 Sport lighting	
				07 ExtraWide	
			08 Tunnel Symmetric		
			09 Tunnel Counter		
			11 Tunnel Batwing		
			17 Tunnel Uni/Bilateral		

Code example:

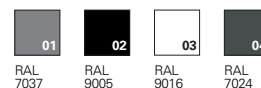
ES-MX HP 360 40 11 01

360W

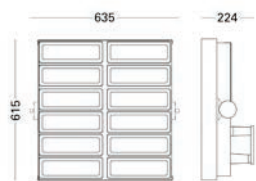
96 LED - 1.65 A | values calculated with beam angle 90°

Colour T (K)	Delivered lumen (lm)
3000K	38974
4000K	40513
5000K	40513
6500K	39581

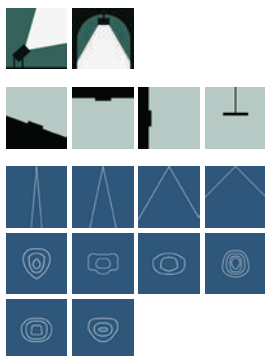
MATRIX 720



12 Modules



Kg
29.4



MATRIX 720 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- MX	HP High Power	720 720W	30 3000K 40 4000K 50 5000K 65 6500K	10 10° 25 25° 60 60° 90 90° 12 Sport lighting 07 ExtraWide 08 Tunnel Symmetric 09 Tunnel Counter 11 Tunnel Batwing 17 Tunnel Uni/Bilateral	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024

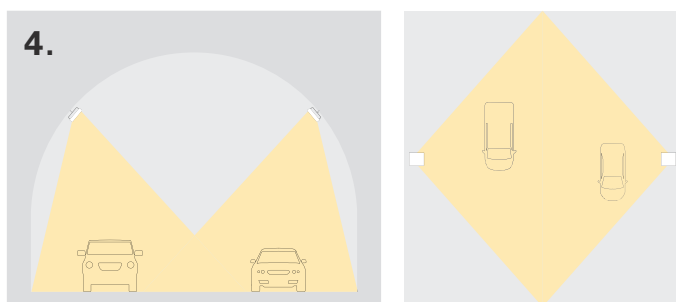
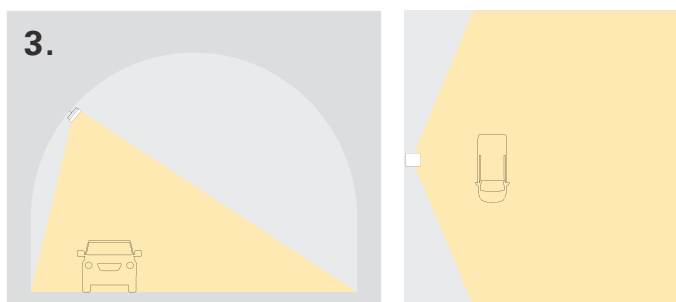
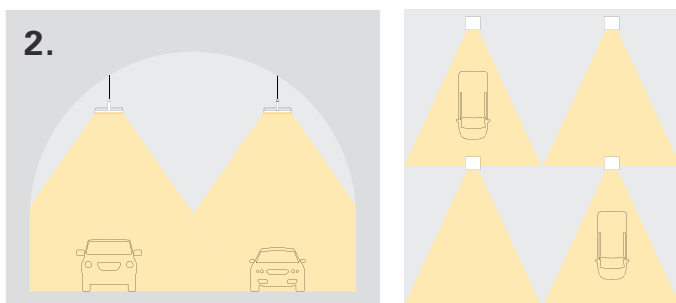
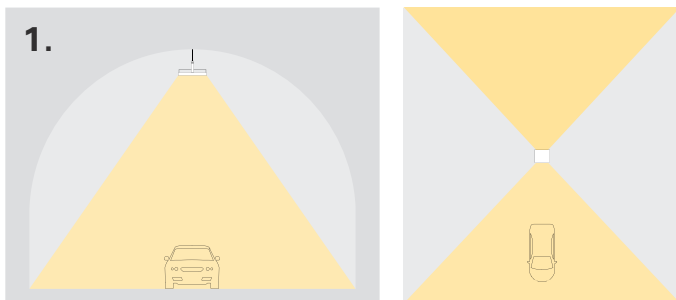
Code example:
ES-MX HP 720 65 10 03

720W

192 LED- 3.3 A | values calculated with beam angle 90°

Colour T (K)	Delivered lumen (lm)
3000K	77947
4000K	81026
5000K	81026
6500K	79162

TWO WAY TUNNEL SIMULATIONS



SYMMETRIC BEAMS

This tunnel lighting / ceiling lighting system with **symmetric optic** is used generally for transition and interior zones for long tunnels and in short tunnels or low speed tunnels for all zones.

1. Central light point
2. Double light point, one for each carriageaway



Optic beam Batwing



Optic beam Symmetric

COUNTER BEAM

To reinforce the luminance level and at the same time accentuate the negative contrast of potential obstacles.

Counter beam lighting is achieved with asymmetrical light distribution facing into the traffic flow, both in the direction of the on coming driver and in the run of the road. The beam stops sharply at the vertical plane passing through the luminaire. No light is directed with the flow of traffic. This generates negative contrast and enhances visual adaptation.

1. Central light point
2. Double light point, one for each carriageaway



Optic beam Counter

ELECTRA

Electra is the perfect range for lighting large outdoor areas, car parks, tunnels and underpasses. Thanks to its **essential shapes** and excellent **heat dissipation system**, Electra operates in a power range from 35 to 200 Watt without losing performance in terms of delivered lumen.

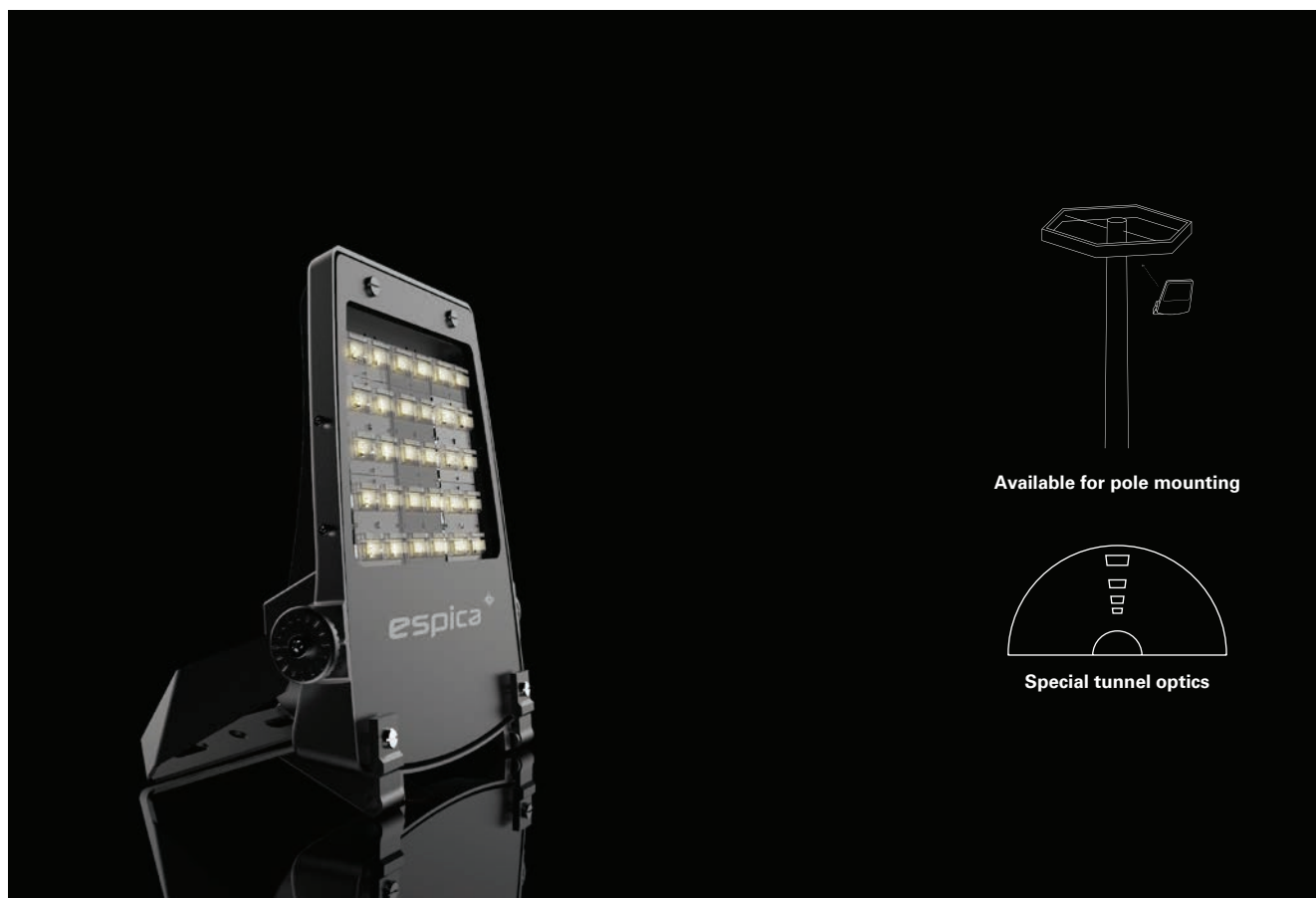
The Electra family features a **compact** and **contemporary design**, color temperatures from 3000K up to 6500K and a **high luminous efficiency**. Equipped with standard power supply with precise current control, high power factor and low harmonic distortion, Electra can be equipped with **different types of optics**, configuring itself as the perfect tool for lighting large outdoor environments.



QUICK HANDBOOK.

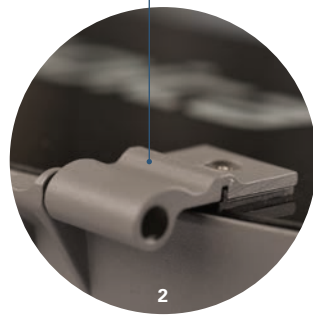
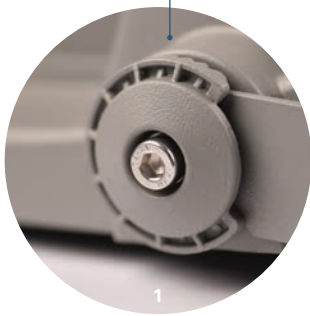
electra family

LED Modules	High Module
Power	from 180 W up to 720 W
Luminous Efficiency	up to 107 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	10000 hrs
IP Rating	IP 66
IK Rating	IK 07
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	10°, 25°, 60°, 90°, Sport lighting, Extra Wide, Tunnel Symmetric, Tunnel Counter, Tunnel Batwing, Tunnel Uni/Bilateral





FEATURES.



EASINESS AND VERSATILITY

Electra is the professional outdoor projector. Resistance to weather conditions and **high-quality materials** ensure superior durability in any climate. Electra's premium finishes add elegance to the environment without compromising functionality. Easy and **quick installation** thanks to the intuitive and ergonomic design. The adjustable and orientable mounting arm provides **flexibility** in light projection. A cutting-edge solution that combines resilience, aesthetics, and user-friendliness. illumination.

1.
Adjustment ring

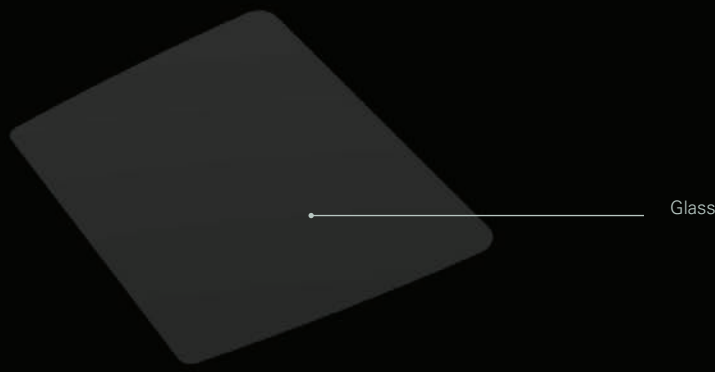
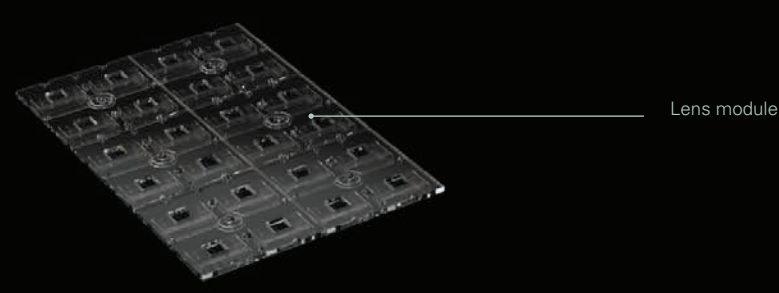
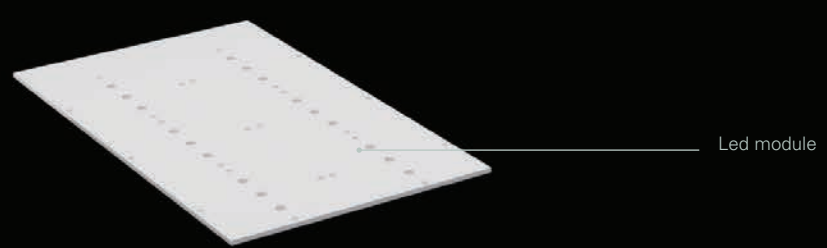
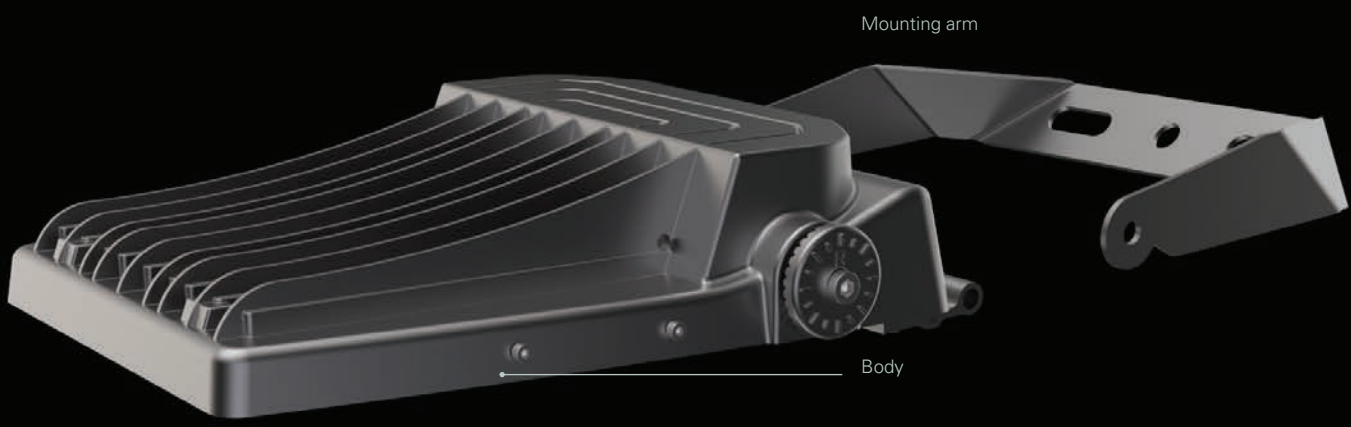
2.
Lock handle with spring

WEATHER TIGHTNESS

Lighting large outdoor areas means extreme attention to weathering and possible sources of corrosion for lighting fixtures.

Electra, in this sense, is a perfect solution for all outdoor installations due to its **IP66 rating, IK07 impact protection** and tempered glass closing screen.





LENS SYSTEM AND LED MODULES

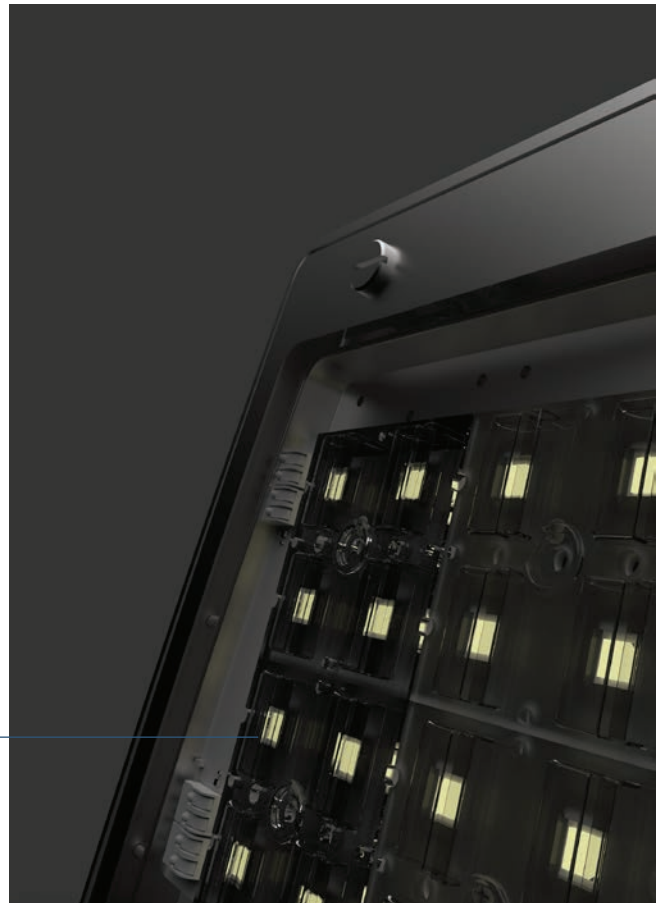
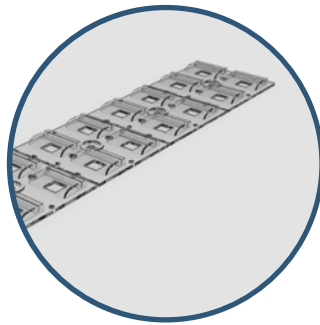
The key to the luminous efficacy of Electra family is undoubtedly the use of a combined system of LED modules and lenses that allow **uniform distribution** of the light beam, **visual comfort** and **chromatic stability**.

High Module is the last generation of the Espica led modules based on High-power LEDs to provide the technical requirements of road and urban applications with high efficiency.

LED modules mounted on a rigid and thermally conductive substrate



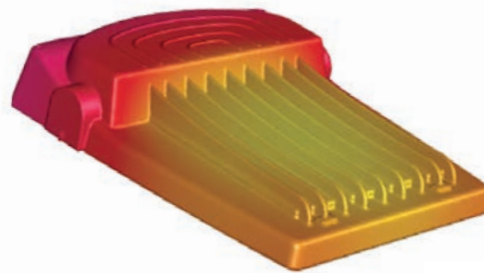
Integrated polycarbonate high-tech lenses



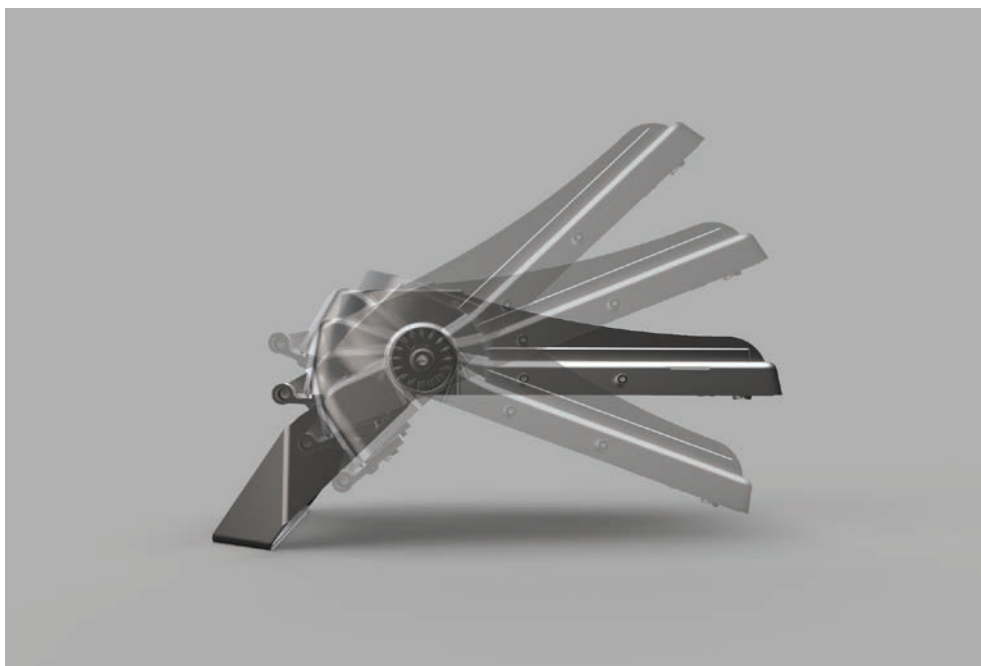
HEATING DISSIPATION

Crucial for the system efficiency, has been properly integrated with the product design.

Electra is equipped with a heat dissipation system able to maintain the **junction temperature low**, extending in this way the life of the light source. We tested the worst-case condition. Thanks to thermographic and fluid-dynamic simulations, we are able to define **the best geometry** for our products in order to maintain a constant LED operating temperature.



- 66.5 ■
 - 62.1 ■
 - 57.8 ■
 - 53.5 ■
 - 49.3 ■
 - 45.1 ■
 - 41.0 ■
 - 36.9 ■
 - 32.9 ■
 - 28.9 ■
 - 25.0 ■
- C



TILTABILITY

The adjustable mounting arm rotates 45° upward and 45° downward, offering **precise control** for various applications.

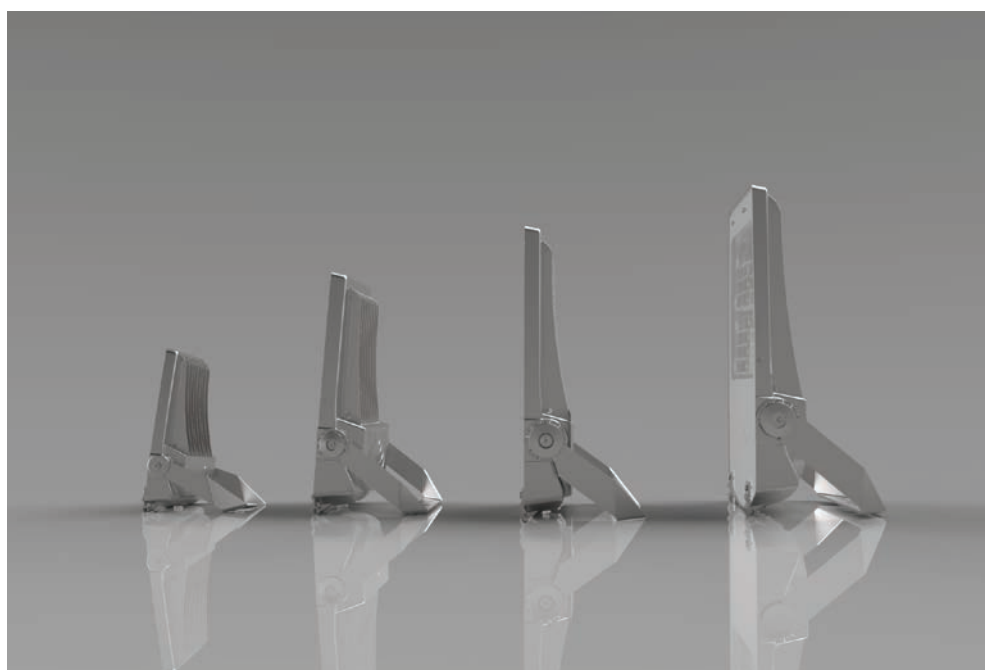
Illuminate with **accuracy** and effortlessly direct light where needed, whether highlighting architectural details or covering expansive areas.

Experience the freedom to create captivating lighting effects and shape the ambiance with Electra's exceptional orientability.

A WIDE RANGE

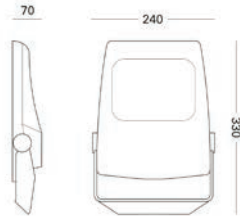
Comprising four products with **varying sizes** but equal powerful capabilities, the Electra range seamlessly adapts to any outdoor space, ensuring **exceptional brightness**.

Illuminate vast areas with the power of Electra 4, or opt for the versatility of Electra 3 for targeted lighting. Electra 2 and Electra 1 are perfect for more compact spaces, offering both powerful and elegant illumination.



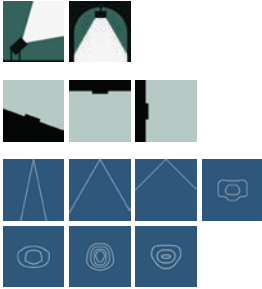
ELECTRA 1

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
2.4

ELECTRA 1 High Module



Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- EL1	HP High Power	035 35W	30 3000K	25 25°	01 RAL 7037
		050 50W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
				09 Tunnel Counter	
				17 Tunnel Uni/Bilateral	

Code example:
ES-EL1 HP 050 40 60 04

35W

16 LED- 0.16 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	4634
4000K	4813
5000K	4813
6500K	4704

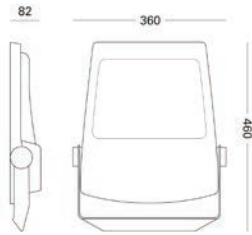
50W

24 LED- 0.23 A | values calculated with beam angle Batwing

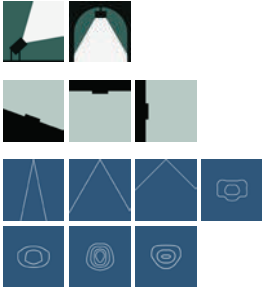
Colour T (K)	Delivered lumen (lm)
3000K	6500
4000K	6751
5000K	6751
6500K	6599

ELECTRA 2

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
5.5



ELECTRA 2 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-EL2	HP High Power	075 75W	30 3000K	25 25°	01 RAL 7037
		100 100W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
			09 Tunnel Counter		
			17 Tunnel Uni/Bilateral		

Code example:
ES-EL2 HP 075 30 25 03

75W

32 LED- 0,35 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	10039
4000K	10426
5000K	10426
6500K	10191

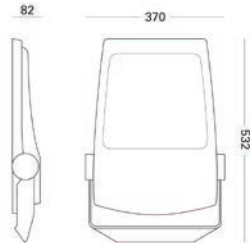
100W

40 LED- 0,46 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	13480
4000K	13999
5000K	13999
6500K	13685

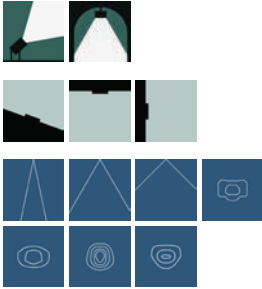
ELECTRA 3

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
7.2

ELECTRA 3 High Module



Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- EL3	HP High Power	125 125W	30 3000K	25 25°	01 RAL 7037
		150 150W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
				09 Tunnel Counter	
				17 Tunnel Uni/Bilateral	

Code example:
ES-EL3 HP 125 30 09 04

125W

48 LED- 0.57 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	16955
4000K	17609
5000K	17609
6500K	17213

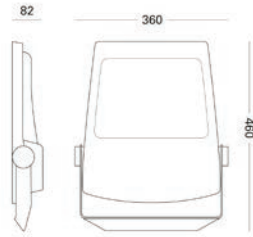
150W

56 LED- 0.69 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	20407
4000K	21195
5000K	21195
6500K	20718

ELECTRA 4

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
10.2



ELECTRA 4 High Module

Code base	LED module	Power (W)	ColourT (K)	Beam angle	Finishes
ES-EL4	HP High Power	175 175W	30 3000K	25 25°	01 RAL 7037
		200 200W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
			09 Tunnel Counter		
			17 Tunnel Uni/Bilateral		

Code example:
ES-EL4 HP 175 50 07 03

175W

64 LED- 0.80 A | values calculated with beam angle Batwing

ColourT (K)	Delivered lumen (lm)
3000K	24360
4000K	25300
5000K	25300
6500K	24731

200W

72 LED- 0.92 A | values calculated with beam angle Batwing

ColourT (K)	Delivered lumen (lm)
3000K	27840
4000K	28914
5000K	28914
6500K	28264

POLARIS

Polaris is a versatile family of high/low bays, specifically designed for **industrial environments**, where **great power** is combined with extraordinary **visual comfort**.

Polaris is available in different variants, in the **radius glare version** and in the **glare free version**. Equipped with a rigid die-cast aluminum body and special optics, Polaris lamps can be installed on the ceiling, on the wall and suspended. They are ideal for industrial environments, warehouses, hangars and workshops



QUICK HANDBOOK.

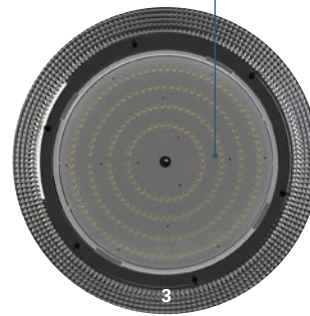
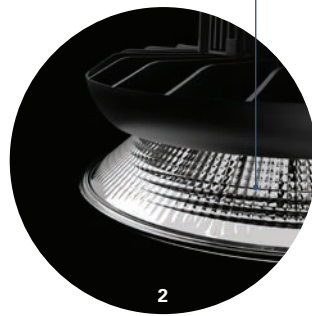
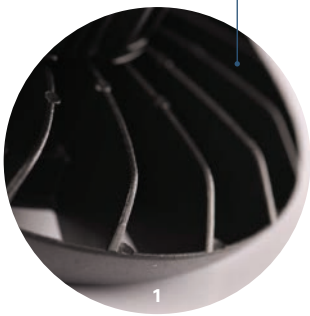
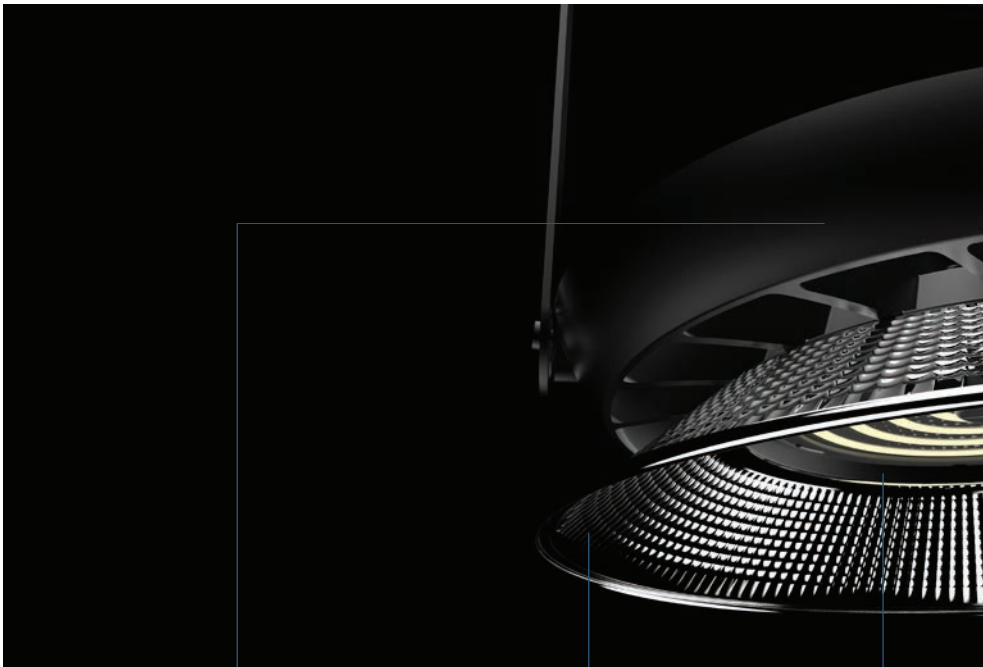
polaris family

LED Modules	Mid Module
Power	160 W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	70000 hrs
IP Rating	IP 65
Available colours	Grey 01, Black 02, White 03, Graphite Grey 04
Optics	100°





FEATURES.



EASINESS AND VERSATILITY

Polaris shines in diverse applications, adapting effortlessly to any environment. With its **high-efficiency LED** technology, Polaris delivers exceptional brightness while minimizing energy consumption. Count on Polaris for **robust and reliable operation**, even in the harshest conditions.

1. Body in die-cast aluminium
2. Reflector
3. Led and lens module

MOUNTING

In all environments, where boundary conditions are often complex and maintenance difficult, it is necessary to use products that lend themselves to multiple installations. Polaris can be installed on the **ceiling, wall**, and **suspension** thanks to special dedicated accessories.



Wall mounted



Ceiling mounted



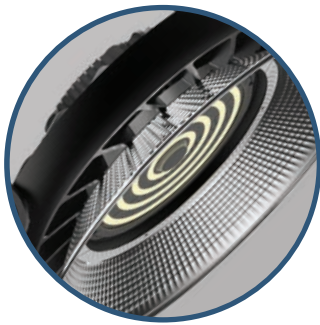
Pendant



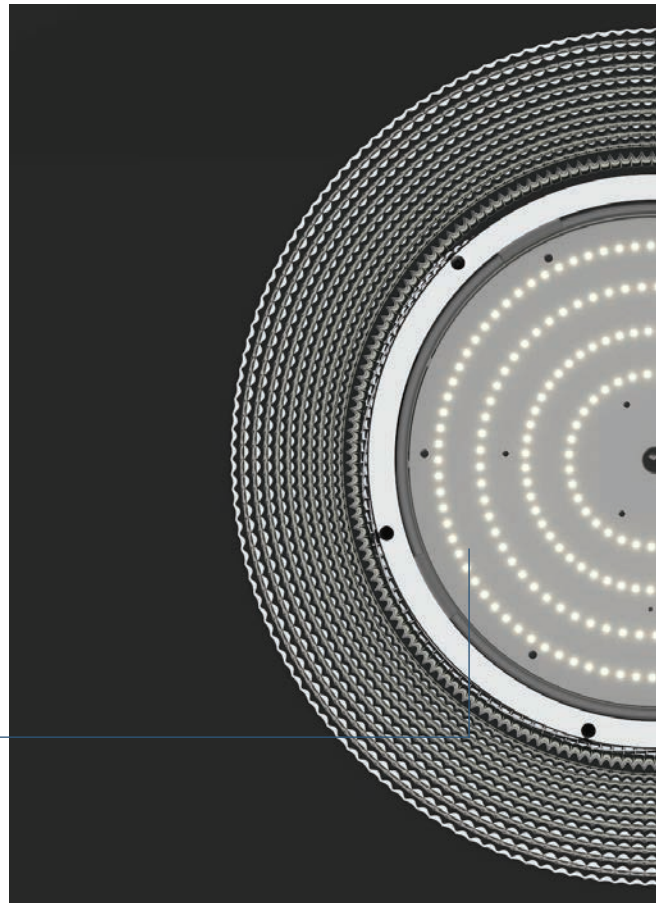
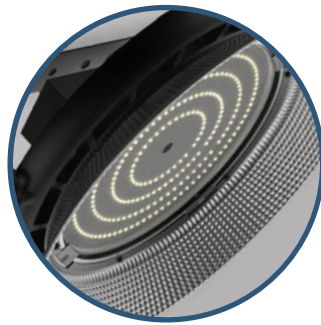
LENS SYSTEM AND LED MODULES

Polaris takes advantage of an innovative lighting system consisting of a circular LED module, complemented by a bell-shaped reflector that allows light distribution. The stated goal of our products is to **minimize glare**. For this reason, the luminaires in the Polaris family mount a Led Mid Module type. **Mid Module** has been designed for those looking for a mid-power LED to have a more economical alternative with the same luminaire footprint.

Glare Free version
Led Module

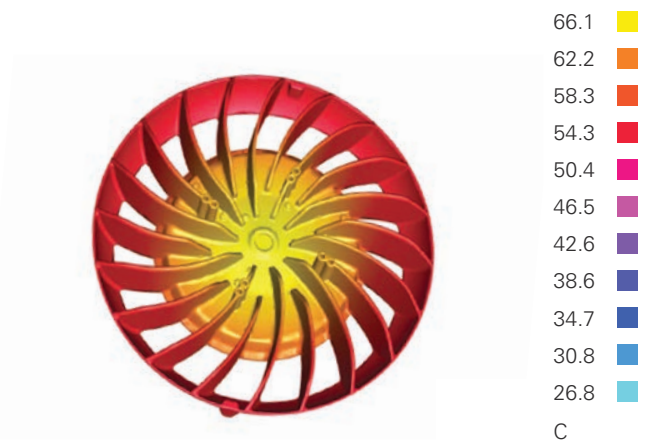


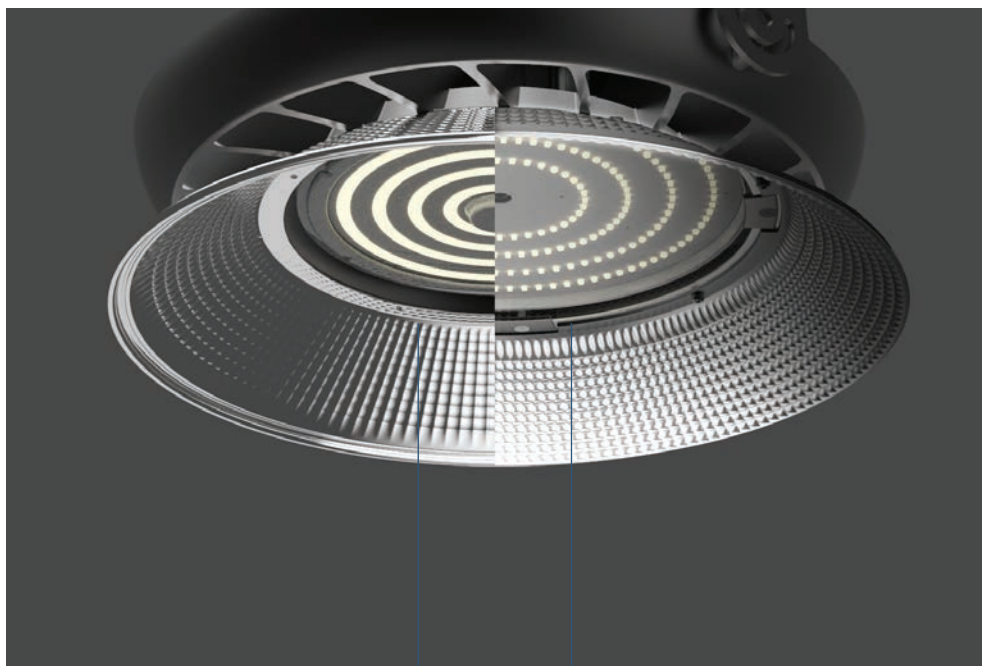
Radius Glare version
Led module



HEATING DISSIPATION

Crucial for the system efficiency, has been properly integrated with the product design. Polaris is equipped with a heat dissipation system able to maintain the **junction temperature low**, extending in this way the life of the light source. We tested the worst-case condition. Thanks to thermographic and fluid-dynamic simulations, we are able to define **the best geometry** for our products in order to maintain a constant LED operating temperature.





Glare Free Version

Radius Glare Version

ZERO GLARE

Polaris is available in two very similar but conceptually different versions.

By exploiting the properties of LED technology and a clever combination of lenses and reflectors, we have perfected two models: the **Glare free version** and the **Radius Glare version**. Both lend themselves extraordinarily well to industrial applications where clear, **uniform light** without reflections and glare sources is required.

TECHNICAL DETAILS







Polaris is an extremely **technical product** enhanced by functional details.





The installation arm is **user-friendly, rigid, solid**, and equipped with special accessories available within the packaging.

The die-cast aluminum disc body is sinuously designed, as is appropriate for fixtures that require massive heat dissipation.



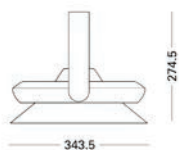
POLARIS C GF

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024





Ceiling mounted



Kg
4.8



Polaris Glare Free

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- POGFC	MP Mid Power	160 160W	30 3000K 40 4000K 50 5000K 65 6500K	14 100°	01  RAL 7037 02  RAL 9005 03  RAL 9016 04  RAL 7024







Code example:
ES-POGF CMP 160 50 14 01





160W

198 LED- 0.73 A | values calculated with beam angle 100°

Colour T (K)	Delivered lumen (lm)
3000K	17725
4000K	18560
5000K	18560
6500K	18003

POLARIS C RG

RAL 7037 RAL 9005 RAL 9016 RAL 7024





Ceiling mounted



Kg
4.8



Polaris Radius Glare

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- PORGC	MP Mid Power	160 160W	30 3000K 40 4000K 50 5000K 65 6500K	14 100°	01  RAL 7037 02  RAL 9005 03  RAL 9016 04  RAL 7024







Code example:
ES-PORG CMP 160 30 14 02





160W

198 LED - 0.73 A | values calculated with beam angle 100°

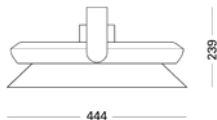
Colour T (K)	Delivered lumen (lm)
3000K	14315
4000K	14990
5000K	14990
6500K	13885

POLARIS CX RG

 01 RAL 7037
  02 RAL 9005
  03 RAL 9016
  04 RAL 7024





Ceiling mounted



Kg
6.3



Polaris Radius Glare

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- POXRG	MP Mid Power	200 200W	30 3000K	14 100°	01  RAL 7037
		240 240W	40 4000K		02  RAL 9005
			50 5000K		03  RAL 9016
			65 6500K		04  RAL 7024

Code example:
ES-POXRG CMP 240 40 14 02

200W

312 LED- 0.92 A | values calculated with beam angle 100°







Colour T (K)	Delivered lumen (lm)
3000K	25610
4000K	26817
5000K	26817
6500K	26013





240W

376 LED- 1.1 A | values calculated with beam angle 100°

Colour T (K)	Delivered lumen (lm)
3000K	29155
4000K	30528
5000K	30528
6500K	29613

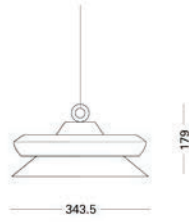
POLARIS P GF

RAL 7037 RAL 9005 RAL 9016 RAL 7024





Pendant



Kg
3.9



Polaris Glare Free

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- POGFP	MP Mid Power	160 160W	30 3000K 40 4000K 50 5000K 65 6500K	14 100°	01  RAL 7037 02  RAL 9005 03  RAL 9016 04  RAL 7024

Code example:

ES-POGF PMP 160 30 14 03

160W

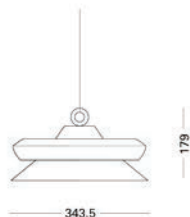
198 LED - 0.73 A | values calculated with beam angle 100°

Colour T (K)	Delivered lumen (lm)
3000K	17725
4000K	18560
5000K	18560
6500K	18003

POLARIS P RG

01 02 03 04
 RAL 7037 RAL 9005 RAL 9016 RAL 7024

Pendant



Kg
3.9



Polaris Glare Free

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-PORGP	MP Mid Power	160 160W	30 3000K 40 4000K 50 5000K 65 6500K	14 100°	01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024







Code example:
ES-PORG PMP 160 50 14 04





160W

198 LED - 0.73 A | values calculated with beam angle 100°

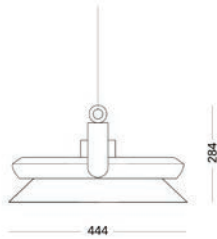
Colour T (K)	Delivered lumen (lm)
3000K	14315
4000K	14990
5000K	14990
6500K	13885

POLARIS PX RG

 **01** RAL 7037
  **02** RAL 9005
  **03** RAL 9016
  **04** RAL 7024





Pendant



Kg
6.4



Polaris Radius Glare

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- POXRG	MP Mid Power	200 200W	30 3000K	14 100°	01  RAL 7037
		240 240W	40 4000K		02  RAL 9005
			50 5000K		03  RAL 9016
			65 6500K		04  RAL 7024

Code example:

ES-POXRG PMP 240 30 14 01

200W

312 LED- 0.92 A | values calculated with beam angle 100°







Colour T (K)	Delivered lumen (lm)
3000K	25610
4000K	26817
5000K	26817
6500K	26013





240W

376 LED- 1.1 A | values calculated with beam angle 100°

Colour T (K)	Delivered lumen (lm)
3000K	29155
4000K	30528
5000K	30528
6500K	29613

POLARIS W GF

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024





Wall mounted



Kg
4.8



Polaris Glare Free

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-POGFW	MP Mid Power	160 160W	30 3000K 40 4000K 50 5000K 65 6500K	14 100°	01  RAL 7037 02  RAL 9005 03  RAL 9016 04  RAL 7024







Code example:
ES-POGF WMP 160 65 14 04





160W

198 LED - 0.73 A | values calculated with beam angle 100°

Colour T (K)	Delivered lumen (lm)
3000K	17725
4000K	18560
5000K	18560
6500K	18003

POLARIS W RG

 **01**
RAL 7037
  **02**
RAL 9005
  **03**
RAL 9016
  **04**
RAL 7024





Wall mounted



Kg
4.8



Polaris Radius Glare

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- PORGW	MP Mid Power	160 160W	30 3000K 40 4000K 50 5000K 65 6500K	14 100°	01  RAL 7037 02  RAL 9005 03  RAL 9016 04  RAL 7024

Code example:
ES-PORG WMP 160 40 14 01

160W

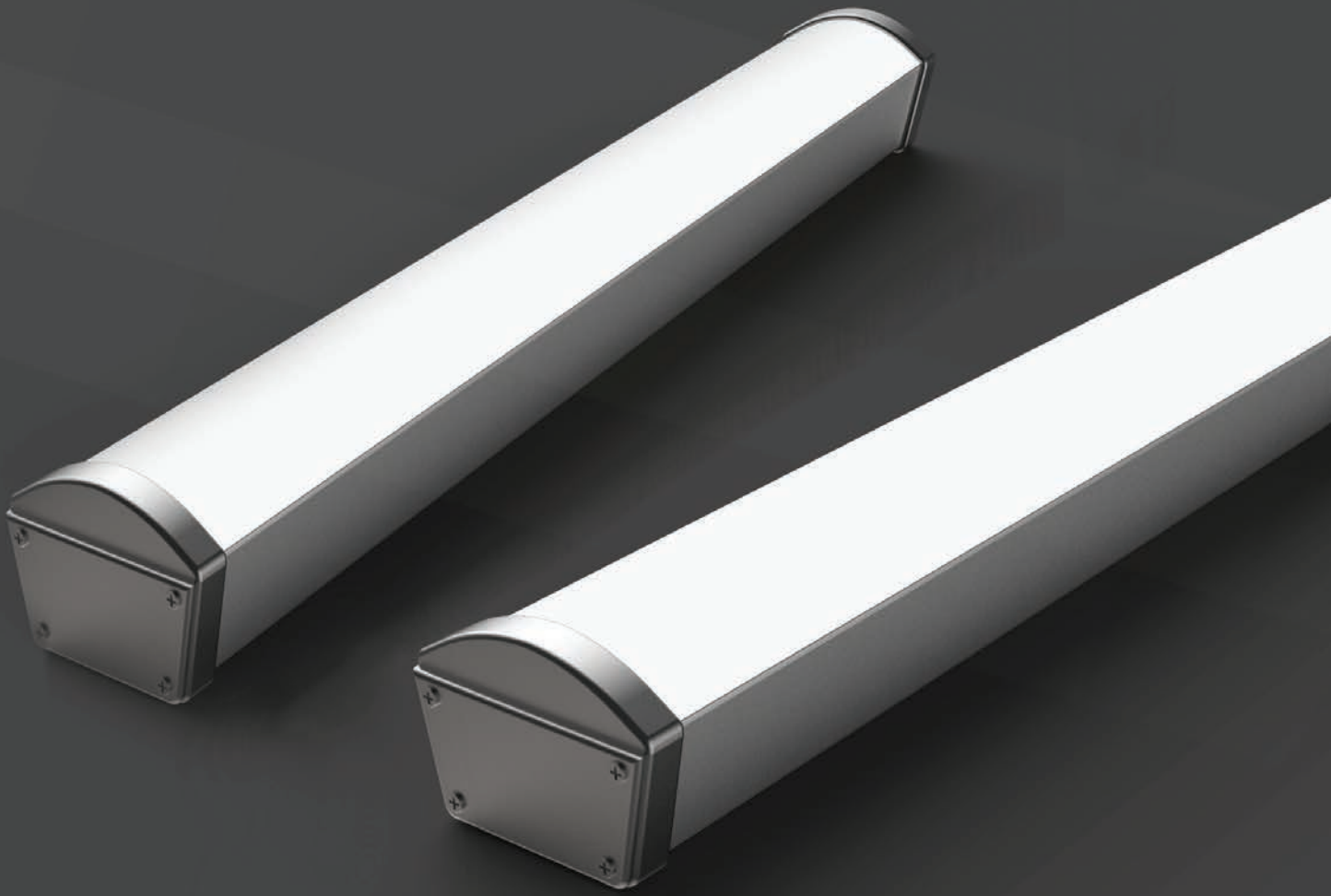
198 LED - 0.73 A | values calculated with beam angle 100°

Colour T (K)	Delivered lumen (lm)
3000K	14315
4000K	14990
5000K	14990
6500K	13885

ALYA

With its elegant design with advanced heat dissipation system, Alya is ideal for use in **dusty** and **humid environments**. It has high durability, which is essential against corrosion phenomena.

Alya is the ideal choice for applications in **industrial fields, warehouses** and **storage areas**. Furthermore, the linear product, available in different sizes and in the wall, surface and suspension versions, is configured as an excellent solution for outdoor environments with a high risk of corrosion.

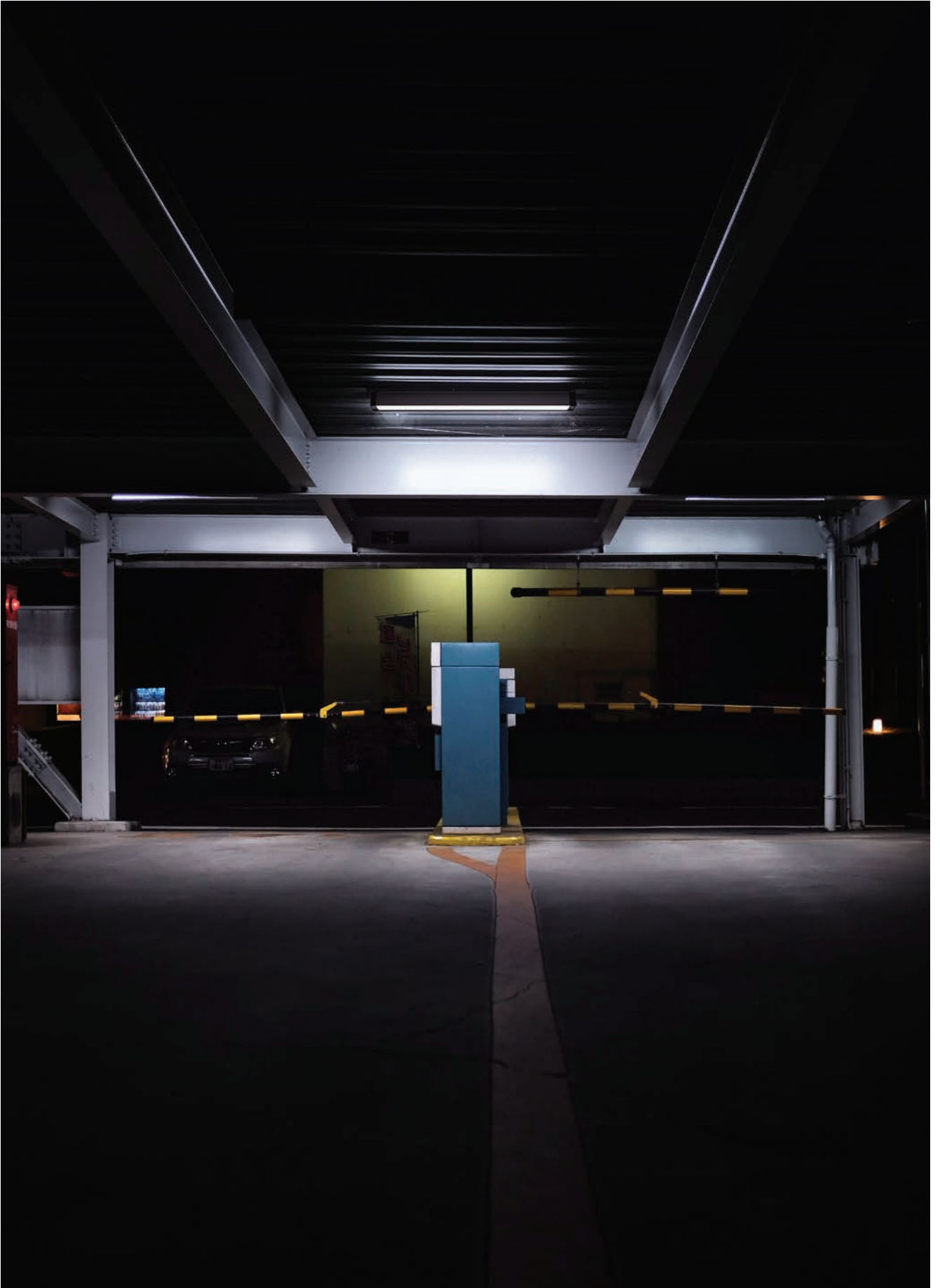


QUICK HANDBOOK.

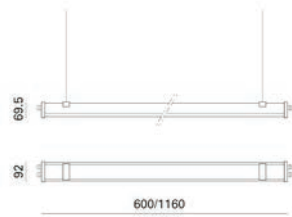
alya family

Power	20 W 40 W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	100000 hrs
IP Rating	IP 65
Available colours	Grey 07
Optics	110°





Pendant



600 1160
Kg 1.36 Kg 2.22



ALYA Pendant

Code base	Length (mm)	Power (W)	Colour T (K)	Beam angle	Finishes
ES-ALP	600	020 20W	30 3000K	110°	07 RAL 7040
	1160	040 40W	40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-ALP 020 40 07

20W

36 LED- 0.092 A | values calculated with beam angle 110°

Colour T (K)	Delivered lumen (lm)
3000K	1968
4000K	2061
5000K	2061
6500K	2000

40W

72 LED- 0.184 A | values calculated with beam angle 110°

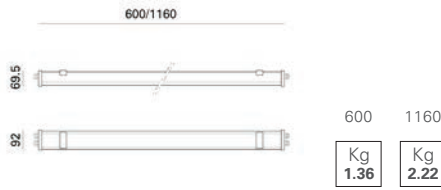
Colour T (K)	Delivered lumen (lm)
3000K	3936
4000K	4122
5000K	4122
6500K	4000

ALYA S



07
RAL 7040

Surface mounted



ALYA Pendant

Code base	Length (mm)	Power (W)	Colour T (K)	Beam angle	Finishes
ES- ALS	600	020 20W	30 3000K	110°	07 RAL 7040
	1160	040 40W	40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-ALS 040 30 07

20W

36 LED - 0.092 A | values calculated with beam angle 110°

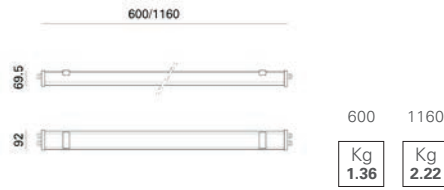
Colour T (K)	Delivered lumen (lm)
3000K	1968
4000K	2061
5000K	2061
6500K	2000

40W

72 LED - 0.184 A | values calculated with beam angle 110°

Colour T (K)	Delivered lumen (lm)
3000K	3936
4000K	4122
5000K	4122
6500K	4000

Pole/Handrail mounted



ALYA Pendant

Code base	Length (mm)	Power (W)	Colour T (K)	Beam angle	Finishes
ES-ALT	600	020 20W	30 3000K	110°	07 RAL 7040
	1160	040 40W	40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-ALT 020 30 07

20W

36 LED- 0.092 A | values calculated with beam angle 110°

Colour T (K)	Delivered lumen (lm)
3000K	1968
4000K	2061
5000K	2061
6500K	2000

40W

72 LED- 0.184 A | values calculated with beam angle 110°

Colour T (K)	Delivered lumen (lm)
3000K	3936
4000K	4122
5000K	4122
6500K	4000



DARA

Dara is a special product professionally designed for **outdoor decorative** and **architectural lighting**. This product is a high-performance linear lighting module with a wide range of optics and forms. Dara is extremely recommended for outdoor applications such as buildings, bridges and monuments. In addition to these features, Dara guarantees excellent performance in terms of **high efficiency, long life** and an **essential design** that allows it to integrate perfectly into outdoor applications.



QUICK HANDBOOK.

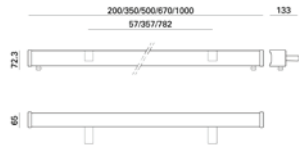
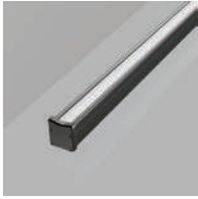
dara

Power	from 6 W up to 36 W
Luminous Efficiency	up to 120 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	75
SDCM	5
Average lamp life	70000 hrs
IP Rating	IP 65
Available colours	Champagne 08, Silver 09
Optics	10°X90°, 15°, Symmetric 10°, Symmetric 45°





Surface mounted



200	350	500	670	1000
Kg 0.8	Kg 1	Kg 1.4	Kg 1.7	Kg 2.4



DARA

Code base	Length (mm)	Power (W)	Colour T (K)	Beam angle	Finishes
ES- DA	200	06 6W	30 3000K	19 10°x90°	08 Champagne
	350	12 12W	40 4000K	15 15°	09 Silver
	500	18 18W	50 5000K	10 10°	
	670	24 24W	65 6500K	45 45°	
	1000	36 36W			

Code example:
ES-DA 36 40 19 09

6W

6 LED- 0.028 A | values calculated with beam angle 10°

Colour T (K)	Delivered lumen (lm)
3000K	722
4000K	757
5000K	757
6500K	735

12W

12 LED- 0.058 A | values calculated with beam angle 10°

Colour T (K)	Delivered lumen (lm)
3000K	1444
4000K	1514
5000K	1514
6500K	1473

18W

18 LED- 0.087 A | values calculated with beam angle 10°

Colour T (K)	Delivered lumen (lm)
3000K	2166
4000K	2271
5000K	2271
6500K	2209

24W

24 LED- 0.116 A | values calculated with beam angle 10°

Colour T (K)	Delivered lumen (lm)
3000K	2927
4000K	3065
5000K	3065
6500K	2974

36W

36 LED- 0.174 A | values calculated with beam angle 10°

Colour T (K)	Delivered lumen (lm)
3000K	4351
4000K	4557
5000K	4557
6500K	4421



STRIPILED

These Striped series are the innovative lighting solution that will transform your space into an extraordinary environment. Our LED strips are designed to offer the perfect combination of **functionality, style** and **energy efficiency**. With their flexibility and **easy installation**, you can create a unique and personalized atmosphere in every corner of your projects, from retail to hospitality spaces, both indoor and outdoor.

With our **wide range of powers** and **adjustable color temperatures**, you can create the ideal lighting for every moment: from warm and cozy light for relaxation to bright and vibrant light for daily activities.

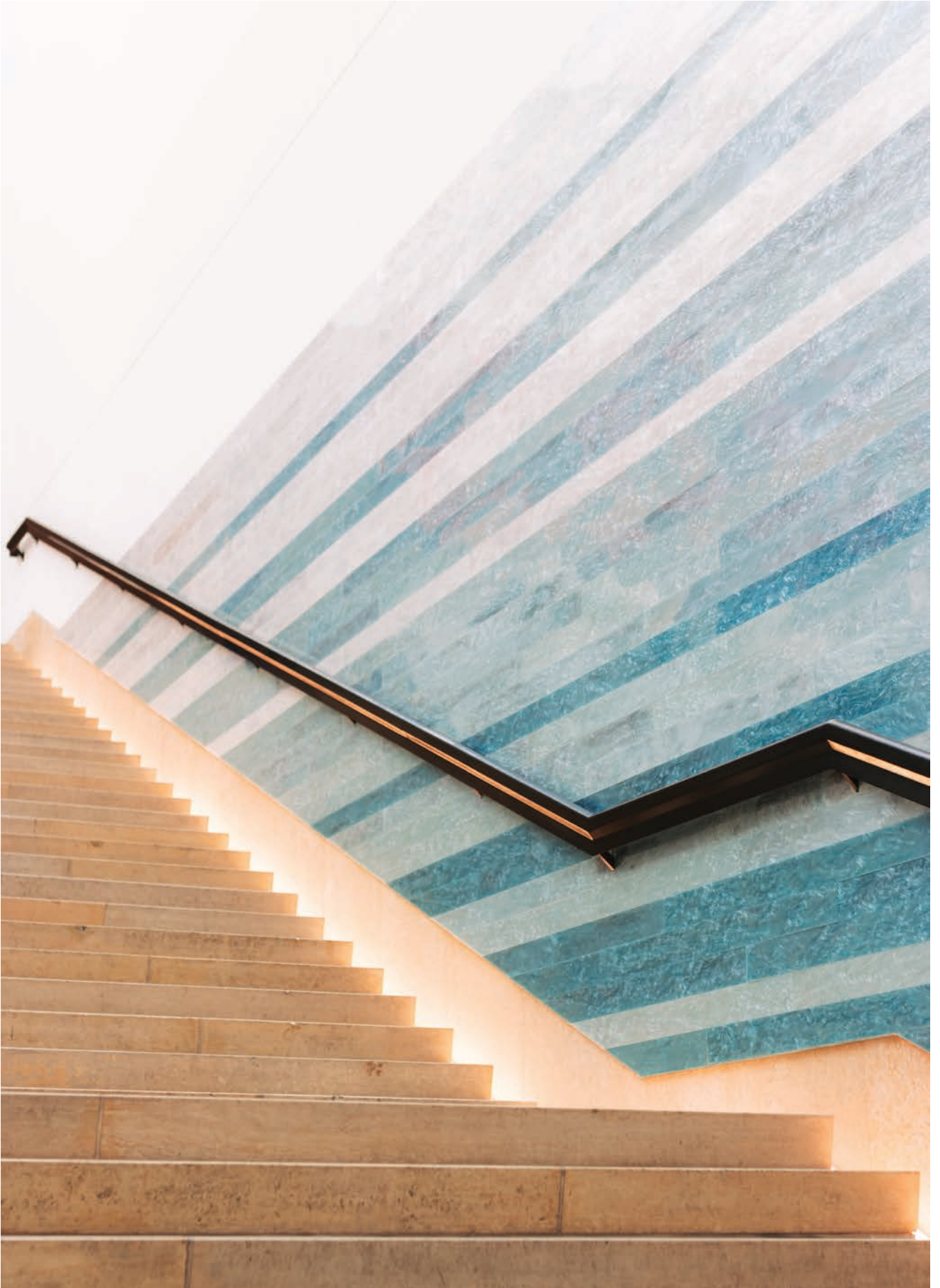


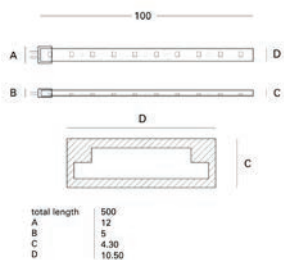
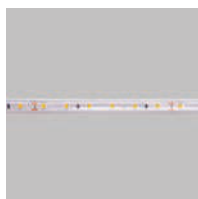
QUICK HANDBOOK.

outdoor stripled

Power	from 4.8W/m up to 22 W/m
Colour temperatures	2700K, 3000K, 4000K, 5000K, 6500K
CRI	90
SDCM	3
Average lamp life	70000 hrs
IP Rating	IP 67 outdoor







Stripled BASIC 60- IP67

Code base	IP Rating	Power (W)	Colour T (K)	Beam angle	
ES- BA	67 67	48 4,8W	20 2000K	120°	
		96 9,6W	27 2700K		
		14 14,40W	30 3000K		
			40 4000K		
			65 6500K		

Code example:
ES-BA 67 96 65

4,8W

60 LED- 24Vdc | values calculated with beam angle 120°

Colour T (K)	Delivered lumen (lm)
2000K	506
2700K	487
3000K	498
4000K	531
6500K	531

9,6W

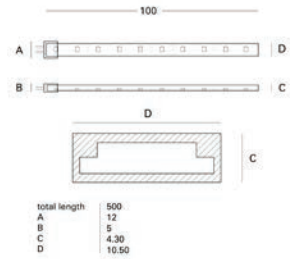
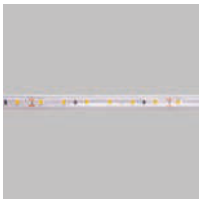
60 LED- 24Vdc | values calculated with beam angle 120°

Colour T (K)	Delivered lumen (lm)
2000K	1012
2700K	1040
3000K	1084
4000K	1150
6500K	1128

14,4W

60 LED- 24Vdc | values calculated with beam angle 120°

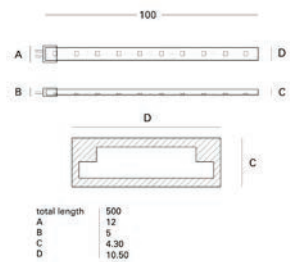
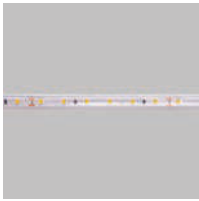
Colour T (K)	Delivered lumen (lm)
2000K	1505
2700K	1273
3000K	1302
4000K	1389
6500K	1389



Stripled ADVANCED 60- IP67

Code base	IP Rating	Power (W)	ColourT (K)	Beam angle	
ES- AD	67 67	48 4,8W	27 2700K	120°	
		14 14,40W	30 3000K		
			40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-AD 67 48 30



Stripled ADVANCED 120- IP67

Code base	IP Rating	Power (W)	ColourT (K)	Beam angle	
ES- AD	67 67	96 9,6W	27 2700K	120°	
		22 22W	30 3000K		
			40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-AD 67 22 27

4,8W

60 LED- 24Vdc |

Colour T (K)	Delivered lumen (lm)
2700K	562
3000K	585
4000K	601
5000K	601
6500K	601

14,4W

60 LED- 24Vdc |

Colour T (K)	Delivered lumen (lm)
2700K	1500
3000K	1560
4000K	1620
5000K	1620
6500K	1620

9,6W

120 LED- 24Vdc |

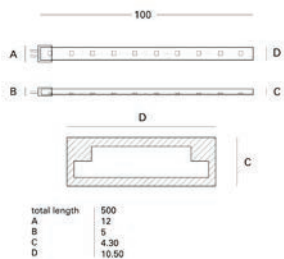
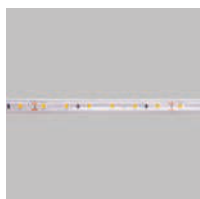
Colour T (K)	Delivered lumen (lm)
2700K	1125
3000K	1170
4000K	1215
5000K	1215
6500K	1215

22W

120 LED- 24Vdc |

Colour T (K)	Delivered lumen (lm)
2700K	2340
3000K	2433
4000K	2527
5000K	2527
6500K	2527

STRIPLED HIGH EFFICIENCY SERIES IP67



Stripled HIGH EFFICIENCY 160- IP67

Code base	IP Rating	Power (W)	Colour T (K)	Beam angle	
ES- HE	67 67	72 7,2W	27 2700K	120°	
		20 20W	30 3000K		
			40 4000K		
			65 6500K		

Code example:
ES-HE 67 72 40

7,2W

160 LED - 24Vdc | values calculated with beam angle 120°

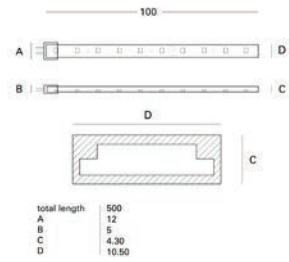
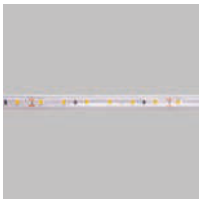
Colour T (K)	Delivered lumen (lm)
2700K	1153
3000K	1185
4000K	1241
6500K	1241

20W

160 LED - 24Vdc | values calculated with beam angle 120°

Colour T (K)	Delivered lumen (lm)
2700K	3222
3000K	3311
4000K	3467
6500K	3467

STRIPLED PREMIUM SERIES IP67



Stripled PREMIUM 140- IP67

Code base	IP Rating	Power (W)	ColourT (K)	Beam angle	
ES- PR	67 67	72 7,2W	20 2000K	120°	
		10 10W	27 2700K		
		22 22W	30 3000K		
			40 4000K		
			65 6500K		

Code example:
ES-PR 67 10 30

7,2W

140 LED- 24Vdc | values calculated with beam angle 120°

ColourT (K)	Delivered lumen (lm)
2000K	885
2700K	1009
3000K	1037
4000K	1085
6500K	1085

10W

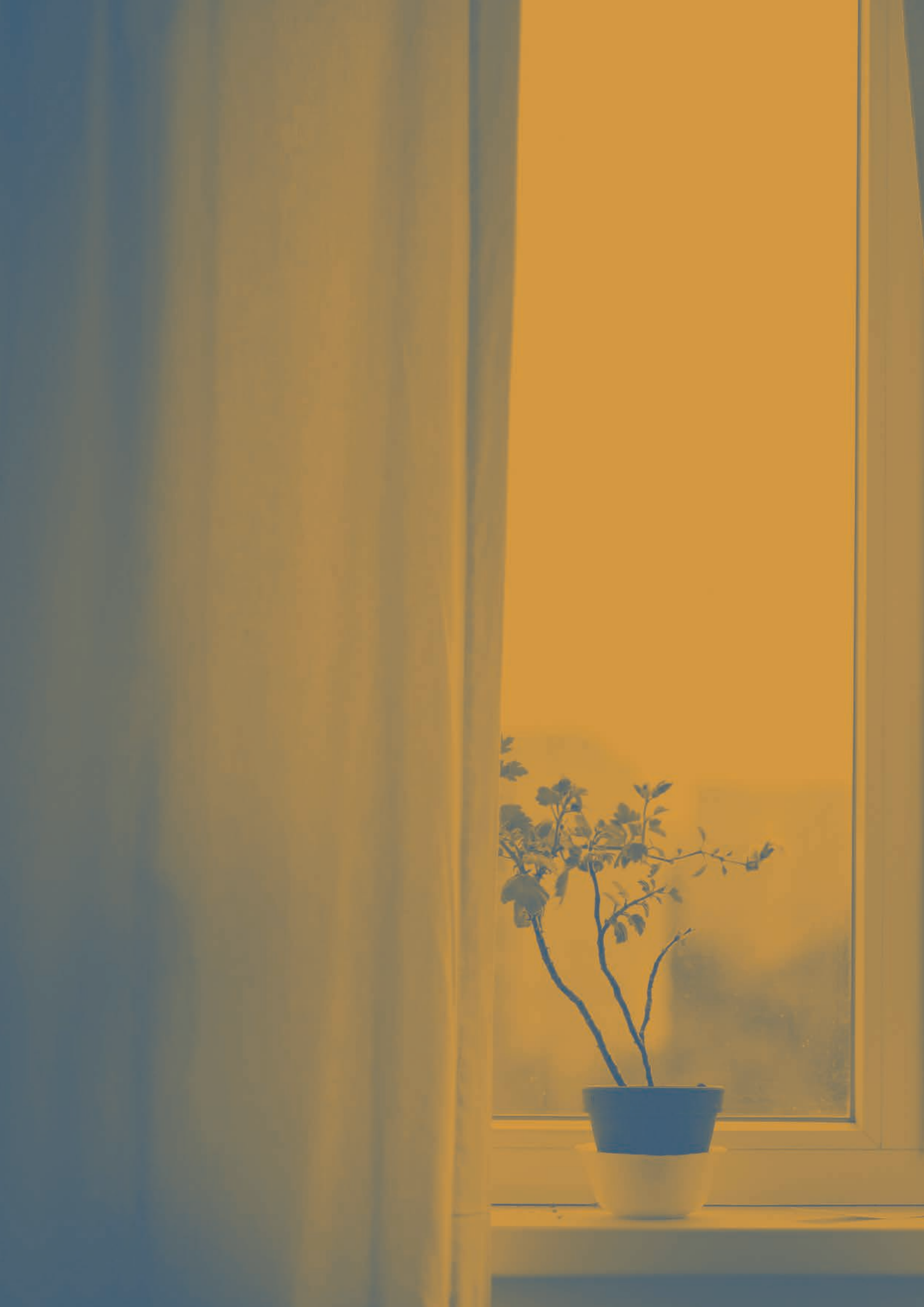
140 LED- 24Vdc | values calculated with beam angle 120°

ColourT (K)	Delivered lumen (lm)
2000K	1229
2700K	1424
3000K	1463
4000K	1532
6500K	1532

22W

140 LED- 24Vdc | values calculated with beam angle 120°

ColourT (K)	Delivered lumen (lm)
2000K	2646
2700K	3121
3000K	3207
4000K	3358
6500K	3358



#indoor

MARS

Mars is a **direct emission recessed downlight** available in four different sizes. The light emitted by the source is delicately reflected on the central diffuser. This configuration guarantees **excellent visual comfort** and glare practically reduced to zero.

The Mars family is perfect for all applications where a fitting with minimal depth is required or for environments where the light must be diffused.



QUICK HANDBOOK.

mars

Power	from 11 W up to 40 W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	80
SDCM	5
Average lamp life	70000 hrs
IP Rating	IP 42
Available colours	Black 02, White 03
Optics	Diffused





MARS 1



Recessed downlight



Kg
0.2



Mars 1

Code base	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- MA	11 11W	30 3000K 40 4000K 50 5000K 65 6500K	16 Diffused	ND Not dimmable	02 RAL 9005 03 RAL 9016

Code example:

ES-MA 11 40 16 ND 02

11W

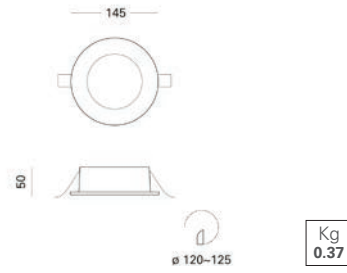
12 LED- 0.05 A | values calculated with beam angle diffused

Colour T (K)	Delivered lumen (lm)
3000K	974
4000K	1020
5000K	1020
6500K	990

MARS 2



Recessed downlight



Mars 2

Code base	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- MA	18 11W	30 3000K	16 Diffused	ND Not dimmable	02 RAL 9005
		40 4000K			03 RAL 9016
		50 5000K			
		65 6500K			

Code example:
ES-MA 18 50 16 ND 03

18W

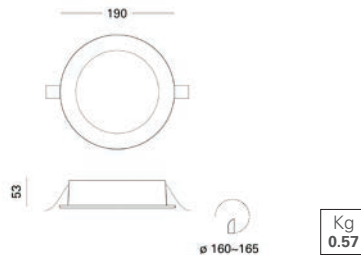
20 LED- 0.087 A | values calculated with beam angle diffused

Colour T (K)	Delivered lumen (lm)
3000K	1633
4000K	1710
5000K	1710
6500K	1658

MARS 3



Recessed downlight



Mars 3

Code base	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- MA	24 24W	30 3000K	16 Diffused	ND Not dimmable	02 RAL 9005
	32 32W	40 4000K			03 RAL 9016
		50 5000K			
		65 6500K			

Code example:
ES-MA 24 30 16 ND 02

24W

24 LED- 0.11 A | values calculated with beam angle diffused

Colour T (K)	Delivered lumen (lm)
3000K	2402
4000K	2516
5000K	2516
6500K	2441

32W

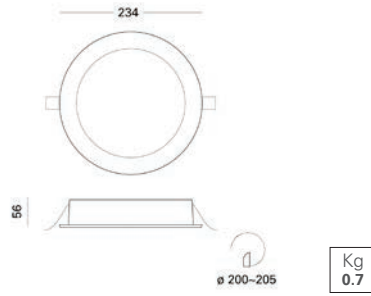
30 LED- 0.14 A | values calculated with beam angle diffused

Colour T (K)	Delivered lumen (lm)
3000K	2794
4000K	2926
5000K	2926
6500K	2838

MARS 4



Recessed downlight



Mars 4

Code base	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- MA	40 40W	30 3000K	16 Diffused	ND Not dimmable	02 RAL 9005
		40 4000K			03 RAL 9016
		50 5000K			
		65 6500K			

Code example:
ES-MA 40 30 16 ND 02

40W

36 LED - 0.193 A | values calculated with beam angle diffused

ColourT (K)	Delivered lumen (lm)
3000K	3779
4000K	3958
5000K	3958
6500K	3839

FELIS

The complete range of products for all interior projects. In addition to **aesthetic design, precise light control** and **great UGR values**, the versatility of Felis, underwritten by its compact format and super modular design, one LED module shares numerous mounting rings display particular strenghts in hotels, residential or any indoor commercial environments. Round as well as square designs with adjustable and fixed options, in various wattages enable nuanced adaptation to different needs.

Felis is the ideal solution for **residential, retail** and **hotel applications**.



QUICK HANDBOOK.

felis

Power	from 5 W up to 35 W
Colour temperatures	2700K, 3000K, 4000K
CRI	90+
UGR	<19
SDCM	3
Average lamp life	L80B10@100000 hrs
IP Rating	IP 20, IP 44
Available colours	Black 05, White 06
Optics	15°, 24°, 38°, 55°





FEATURES.

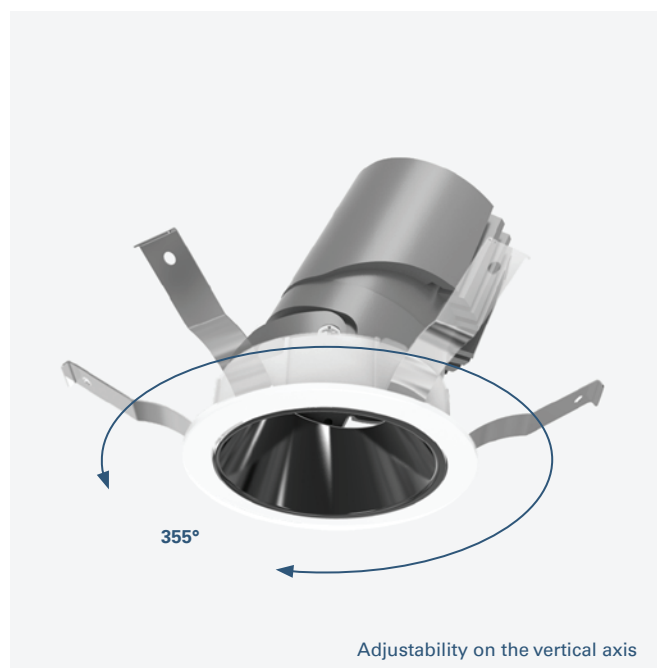
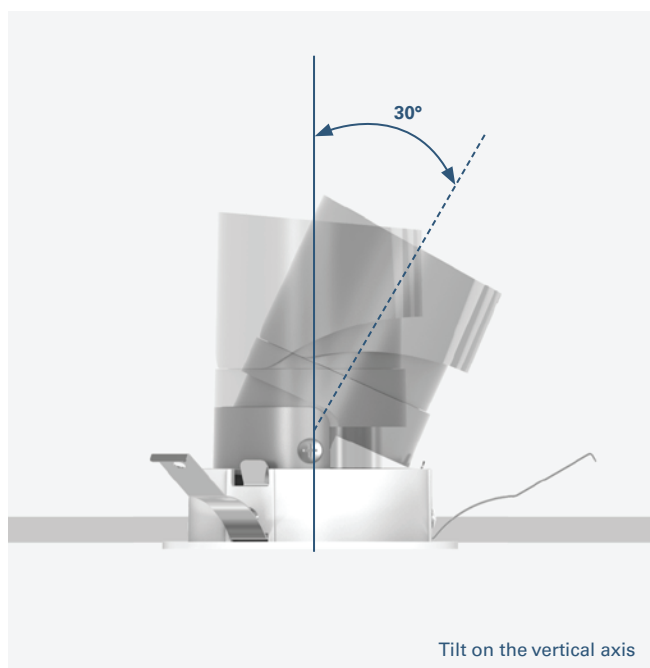


A MODULAR DESIGN

The Felis light source consists of a simple composition of elements: the **LED module** to which is added the **beam lens** and its accessories (honeycomb or soft lens) and- in order to close the system - the **locking ring**. That's all, simple and essential. **No tools** are needed for assembly, once assembled the object has a degree of protection equal to IP44.

ADJUSTABILITY

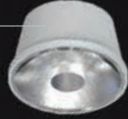
The Felis range covers all possible interior applications, thanks to the possibility of **directing the light beam**. Felis can be adjusted by 30° on the vertical axis and can tilt on the horizontal axis up to 355° in order to allow precise direction of the beam.



LED Module engine



Beam lens



Honeycomb



Soft lens

Locking system fixed ring



Precise angle alignment round version



Precise angle alignment square version



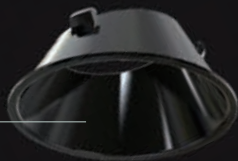
Round Bezel



Square Bezel



Round Reflector



Square Reflector



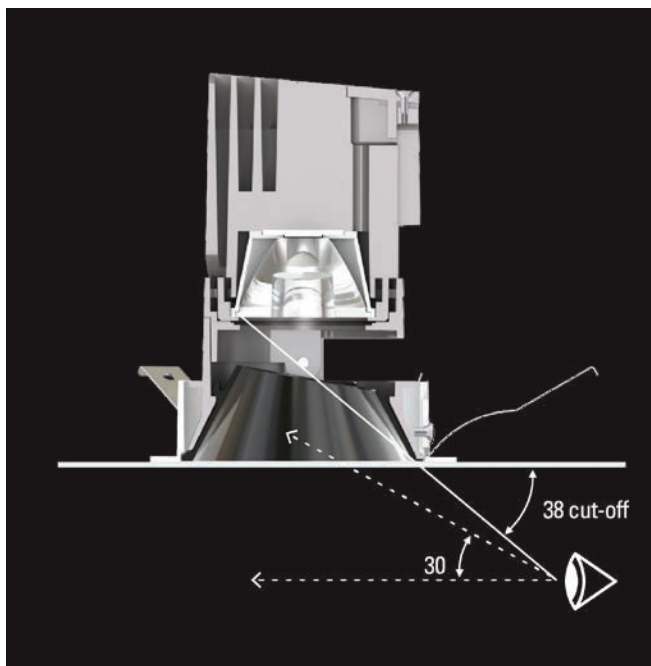
Round Trimless tool



Square Trimless tool

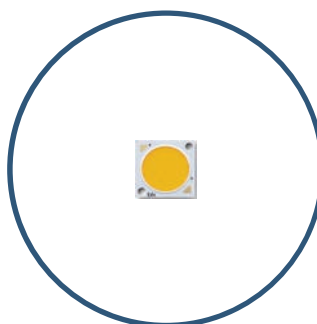


this graph represents some of the possibles combinations



OPTIC COMFORT

Thanks to meticulous planning, the LED module is harmoniously integrated into the fitting and made invisible. The visible part of the reflector also produces a **glare equivalent to zero**. The sum of these ingredients produces a **high visual comfort**.



LED module integrated in optical lens



Secondary reflector, available in different finishes

ANTI GLARE ACCESSORIES

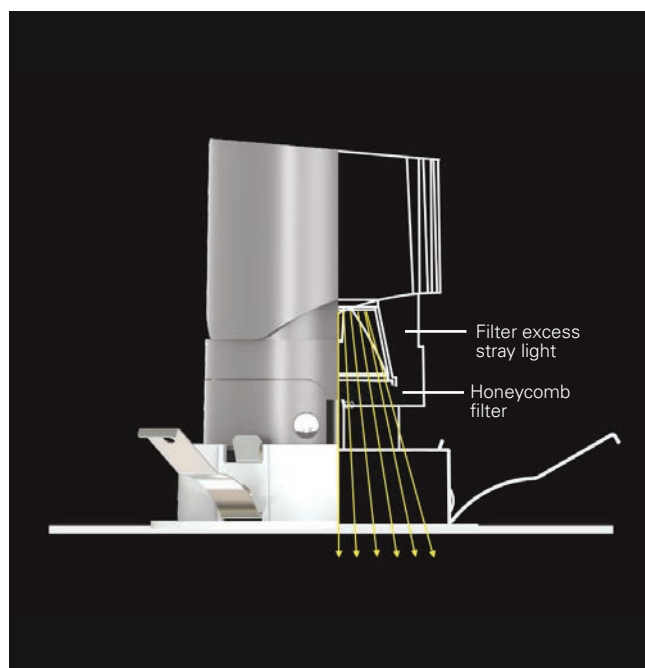
Honeycomb filter and **soft lens** can be added to provide maximum visual comfort. The accessories must be inserted between the beam lens and the locking system ring.



Honeycomb



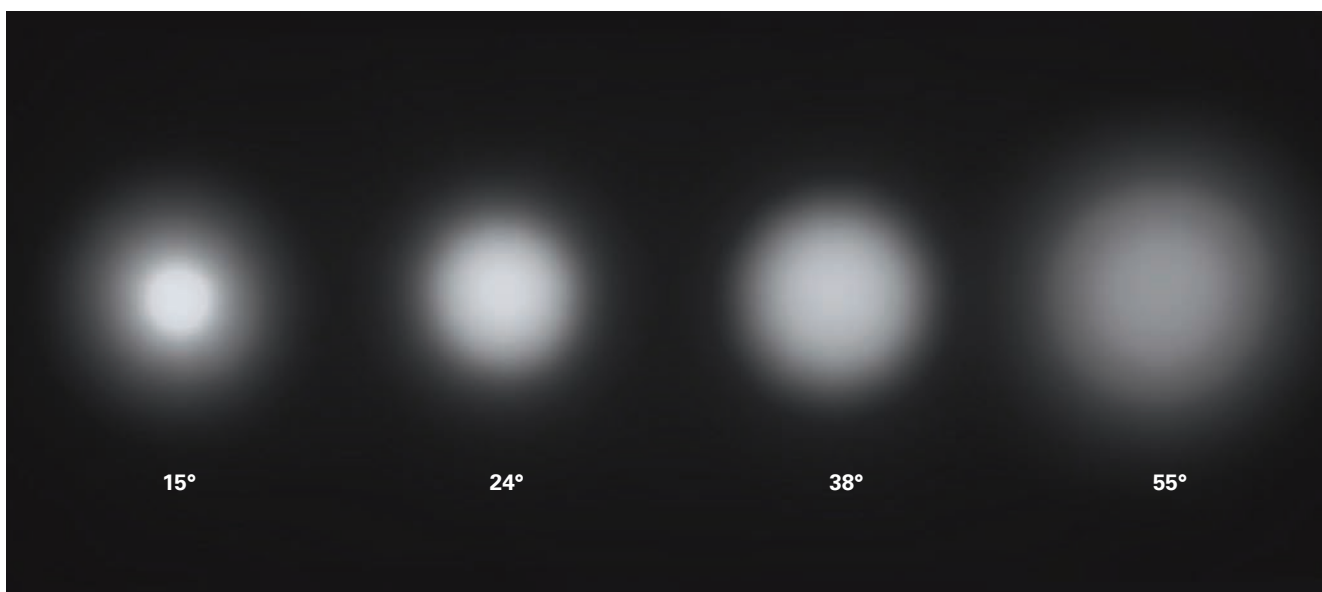
Soft lens



BEAM ANGLES

The Felis range offers **four different beams**.

Thanks to the multiple opening beams it's possible to cover any type of lighting solution, from **accent light** with a narrow beam (15°) to **diffused light** with wide beam (55°)



SECONDARY REFLECTORS

The details make the difference.

Felis offers **four different reflector finishes** to differentiate light projects and add a touch of elegance to installations, this while maintaining **high visual comfort values**.

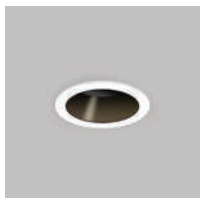




INDEX.

FELIS D

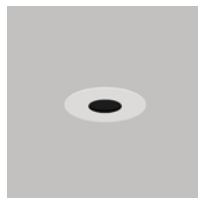
p.142



From 5 W up to 35 W
Available with trim or trimless
Available fixed or adjustable

FELIS P

p.154



From 5 W up to 15 W
Trim version, round or squared
Available fixed or adjustable

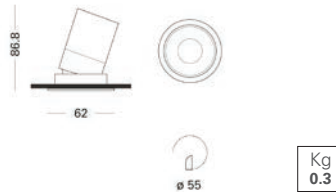
FELIS S

p.158



From 5 W up to 35 W
Soft trim
Available fixed or adjustable

FELIS D 50



Secondary reflectors

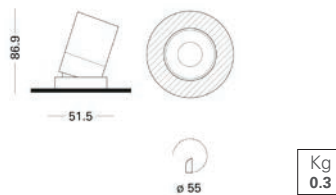


FELIS D - 50 Round Adjustable

Trim version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDAR	T2 With Trim IP20	05 5W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	08 8W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDART2 05 27 24 DA 05



Secondary reflectors



FELIS D - 50 Round Adjustable

Trimless version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDAR	02 Trimless IP20	05 5W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	08 8W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDAR 02 05 27 24 DA 05

5W

L80B10 - 0.12 A | values calculated with beam angle 38°

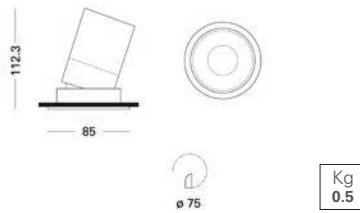
ColourT (K)	Delivered lumen (lm)
2700K	319
3000K	332
4000K	350

8W

L80B10 - 0.18 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	467
3000K	519
4000K	512

FELIS D 60



Accessories

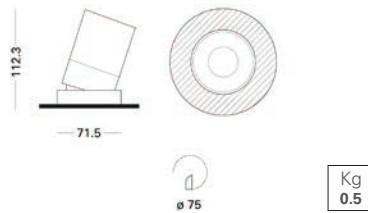


FELIS D - 60 Round Adjustable

Trim version

Code base	Trim – IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEDAR	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDART2 15 40 24 PD 05



Accessories



FELIS D - 60 Round Adjustable

Trimless version

Code base	Trim – IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEDAR	02 Trimless IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDAR 02 15 27 24 DA 06

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

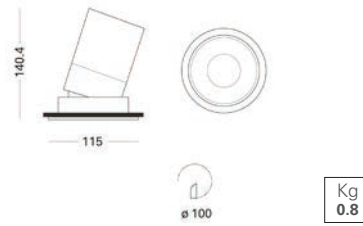
Colour T (K)	Delivered lumen (lm)
2700K	752
3000K	836
4000K	716

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	1075
3000K	1195
4000K	1183

FELIS D 70



Accessories

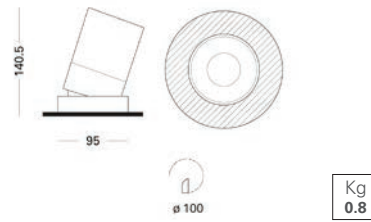


FELIS D - 70 Round Adjustable

Trim version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDAR	T2 With Trim IP20	20 20W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	25 25W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDART4 25 30 24 W0 05



Accessories



FELIS D - 70 Round Adjustable

Trimless version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDAR	02 Trimless IP20	20 20W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	25 25W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDAR 02 25 27 38 DA 05

20W

L80B10 - 0.50 A | values calculated with beam angle 38°

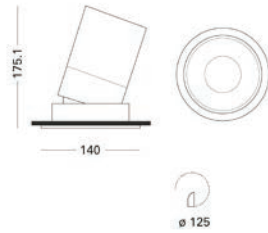
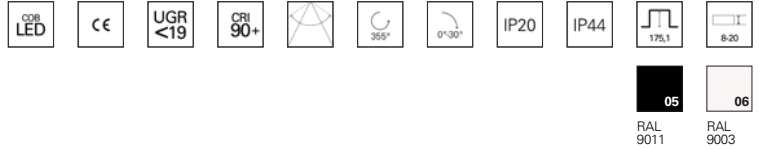
ColourT (K)	Delivered lumen (lm)
2700K	1607
3000K	1786
4000K	1822

25W

L80B10 - 0.60 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	1701
3000K	1891
4000K	2095

FELIS D 90

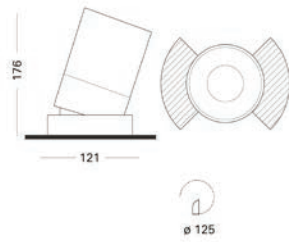


FELIS D - 90 Round Adjustable

Trim version



Accessories



Code base	Trim – IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES - FEDAR	T2 With Trim IP20	30 30W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	35 35W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDART2 30 30 55 PD 05



FELIS D - 90 Round Adjustable

Trimless version



Accessories



Code base	Trim – IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES - FEDAR	02 Trimless IP20	30 30W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	35 35W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDAR 02 35 27 15 ND 06

30W

L80B10 - 0.70 A | values calculated with beam angle 38°

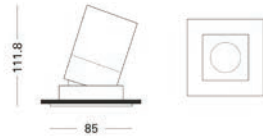
Colour T (K)	Delivered lumen (lm)
2700K	2056
3000K	2140
4000K	2683

35W

L80B10 - 0.85 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	2445
3000K	2544
4000K	3037

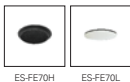
FELIS D 60



Kg
0.5



Accessories



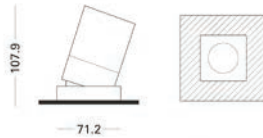
FELIS D- 60 Square Adjustable

Trim version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FEDAS	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FEDAS T2 15 30 38 W0 06



Kg
0.5



Accessories



FELIS D- 60 Square Adjustable

Trimless version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FEDAR	02 Trimless IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FEDAS 02 10 27 38 DA 06

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

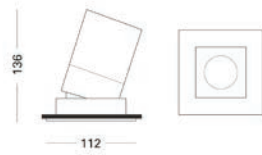
ColourT (K)	Delivered lumen (lm)
2700K	724
3000K	805
4000K	762

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	1035
3000K	1151
4000K	1143

FELIS D 70



Kg
0.8



Accessories



ES-FEAS70SB ES-FEAS70SS ES-FEAS70SM ES-FEAS70SG



ES-FE70H ES-FE70L

FELIS D- 70 Square Adjustable

Trim version

Code base	Trim - IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEDAS	T2 With Trim IP20	20 20W	27 2700K	15 16°	DA DALI	05 RAL 9011
	T4 With Trim IP44	25 25W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FEDAST2 20 30 15 W0 05

20W

L80B10 - 0.50 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	1572
3000K	1747
4000K	1806

25W

L80B10 - 0.60 A | values calculated with beam angle 38°

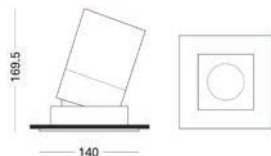
Colour T (K)	Delivered lumen (lm)
2700K	1697
3000K	1886
4000K	2086

FELIS D 90



RAL 9011

RAL 9003



Kg
1.3



Accessories



ES-FEAS90SB ES-FEAS90SS ES-FEAS90SM ES-FEAS90SG



ES-FE90H ES-FE90L

FELIS D- 90 Square Adjustable

Trim version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FEDAS	T2 With Trim IP20	30 30W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	35 35W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FEDAS T2 30 30 15 DA 06

30W

L80B10 - 0.70 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	1991
3000K	2072
4000K	2655

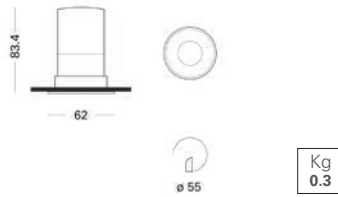
35W

L80B10 - 0.85 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	2385
3000K	2482
4000K	2983



FELIS D 50



Secondary reflectors

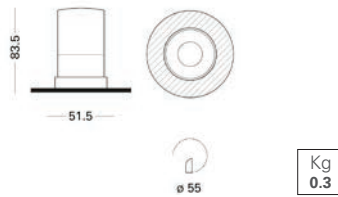


FELIS D - 50 Round Fixed

Trim version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDFR	T2 With Trim IP20	05 5W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	08 8W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR T2 05 27 24 DA 05



Secondary reflectors



FELIS D - 50 Round Fixed

Trimless version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDFR	02 Trimless IP20	05 5W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	08 8W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR 02 05 27 24 DA 05

5W

L80B10 - 0.12 A | values calculated with beam angle 38°

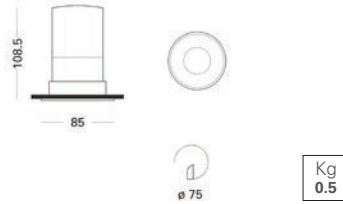
ColourT (K)	Delivered lumen (lm)
2700K	319
3000K	332
4000K	350

8W

L80B10 - 0.18 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	467
3000K	519
4000K	512

FELIS D 60



Accessories

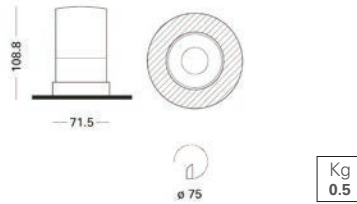


FELIS D - 60 Round Fixed

Trim version

Code base	Trim - IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES - FEDFR	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR T2 15 40 38 PD 05



Accessories



FELIS D - 60 Round Fixed

Trimless version

Code base	Trim - IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES - FEDFR	02 Trimless IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR 02 10 27 24 DA 05

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

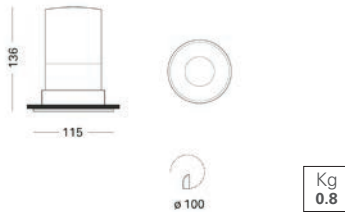
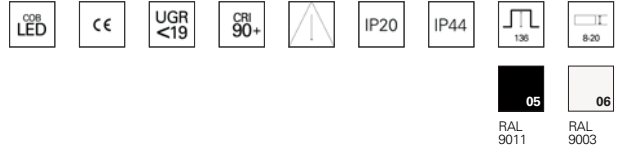
Colour T (K)	Delivered lumen (lm)
2700K	752
3000K	836
4000K	716

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	1075
3000K	1195
4000K	1183

FELIS D 70



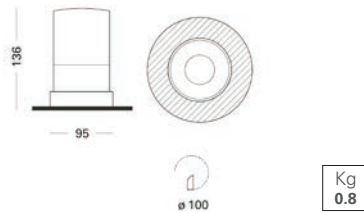
FELIS D - 70 Round Fixed

Trim version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDFR	T2 With Trim IP20	20 20W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	25 25W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR T2 20 27 55 W0 05

Accessories



FELIS D - 70 Round Fixed

Trimless version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES - FEDFR	02 Trimless IP20	20 20W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	25 25W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR 02 25 30 24 DA 06

Accessories



20W

L80B10 - 0.50 A | values calculated with beam angle 38°

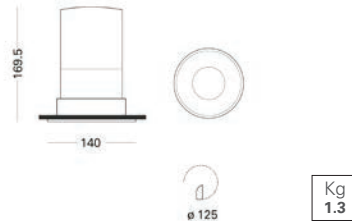
ColourT (K)	Delivered lumen (lm)
2700K	1572
3000K	1747
4000K	1806

25W

L80B10 - 0.60 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	1697
3000K	1886
4000K	2086

FELIS D 90



Accessories

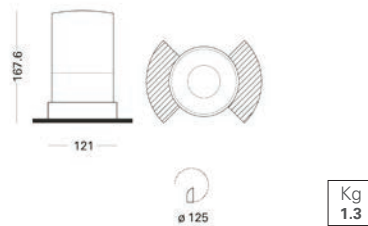


FELIS D - 90 Round Fixed

Trim version

Code base	Trim – IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEDFR	T2 With Trim IP20	30 30W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	35 35W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR T2 35 40 38 PD 05



Accessories



FELIS D - 90 Round Fixed

Trimless version

Code base	Trim – IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEDFR	02 Trimless IP20	30 30W	27 2700K	15 15°	DA DALI	05 RAL 9011
	04 Trimless IP44	35 35W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEDFR 02 30 27 24 DA 05

30W

L80B10 - 0.70 A | values calculated with beam angle 38°

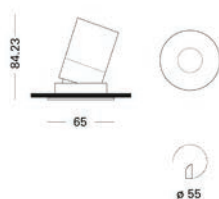
Colour T (K)	Delivered lumen (lm)
2700K	2007
3000K	2088
4000K	2648

35W

L80B10 - 0.85 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	2400
3000K	2497
4000K	2986

FELIS P 50



Kg
0.3



FELIS P- 50 Round Adjustable

Trim version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FEPAR	T2 With Trim IP20	05 5W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	08 8W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FEPAR T2 05 27 24 DA 05

5W

L80B10 - 0.12 A | values calculated with beam angle 38°

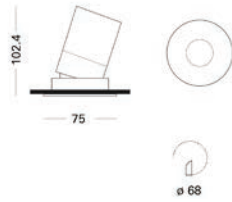
ColourT (K)	Delivered lumen (lm)
2700K	323
3000K	336
4000K	354

8W

L80B10 - 0.18 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	413
3000K	459
4000K	453

FELIS P 60



Kg
0.48



Accessories



FELIS P - 60 Round Adjustable

Trim version

Code base	Trim - IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEPAR	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	WO No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEPART2 15 30 24 PD 05

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

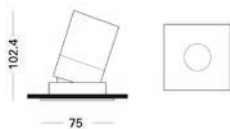
Colour T (K)	Delivered lumen (lm)
2700K	540
3000K	600
4000K	593

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	772
3000K	858
4000K	847

FELIS P 60



Accessories



ES-FE60H

ES-FE60L

FELIS P- 60 Square Adjustable

Trim version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FEPAS	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FEPAS T2 15 27 15 DA 06

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

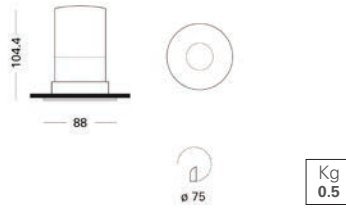
ColourT (K)	Delivered lumen (lm)
2700K	514
3000K	572
4000K	564

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	772
3000K	858
4000K	847

FELIS P 60



Accessories



FELIS P - 60 Round Fixed

Trim version

Code base	Trim - IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FEPFR	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FEPFR T2 15 27 24 PD 05

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	593
3000K	660
4000K	651

15W

L80B10 - 0.35 A | values calculated with beam angle 24°

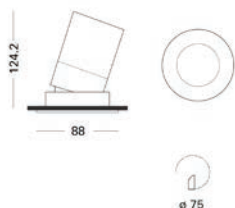
Colour T (K)	Delivered lumen (lm)
2700K	848
3000K	943
4000K	931

FELIS S 60



RAL 9011

RAL 9003



Kg
0.54



Accessories



ES-FE60H

ES-FE60L

FELIS S- 60 Round Adjustable

Trim version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FESAR	T2 With Trim IP20	10 10W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FESAR T2 15 30 15 DA 05

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

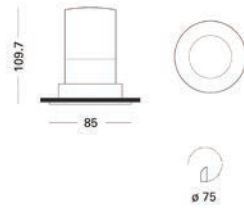
ColourT (K)	Delivered lumen (lm)
2700K	722
3000K	802
4000K	916

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	1032
3000K	1147
4000K	1374

FELIS S 60



Kg
0.46



Accessories



FELIS S - 60 Round Fixed

Trim version

Code base	Trim - IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FESFR	T2 With Trim IP20	10 10W	27 2700K	15 16°	DA DALI	05 RAL 9011
	T4 With Trim IP44	15 15W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FESFR T4 10 30 24 PD 05

10W

L80B10 - 0.25 A | values calculated with beam angle 38°

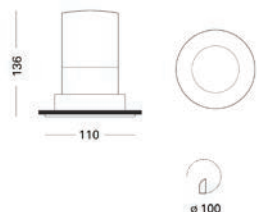
ColourT (K)	Delivered lumen (lm)
2700K	828
3000K	920
4000K	909

15W

L80B10 - 0.35 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	1183
3000K	1315
4000K	1299

FELIS S 70



Kg
0.75



Accessories



ES-FE70H ES-FE70L

FELIS S- 70 Round Adjustable

Trim version

Code base	Trim – IP	Power (W)	ColourT (K)	Beam angle	Control	Finishes
ES- FESFR	T2 With Trim IP20	20 20W	27 2700K	15 15°	DA DALI	05 RAL 9011
	T4 With Trim IP44	25 25W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:

ES-FESFR T4 25 30 15 ND 05

20W

L80B10 - 0.50 A | values calculated with beam angle 38°

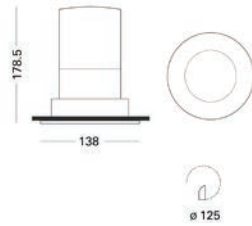
ColourT (K)	Delivered lumen (lm)
2700K	1683
3000K	1869
4000K	1848

25W

L80B10 - 0.60 A | values calculated with beam angle 38°

ColourT (K)	Delivered lumen (lm)
2700K	2104
3000K	2336
4000K	2310

FELIS S 90



Kg
1.27



Accessories



FELIS S - 90 Round Fixed

Trim version

Code base	Trim - IP	Power (W)	Colour T (K)	Beam angle	Control	Finishes
ES- FESFR	T2 With Trim IP20	30 30W	27 2700K	15 16°	DA DALI	05 RAL 9011
	T4 With Trim IP44	35 35W	30 3000K	24 24°	ND Not dimmable	06 RAL 9003
			40 4000K	38 38°	W0 No Driver	
				55 55°	PD Cut-Phase	

Code example:
ES-FESFR T4 30 30 38 PD 06

30W

L80B10 - 0.70 A | values calculated with beam angle 38°

Colour T (K)	Delivered lumen (lm)
2700K	2051
3000K	2134
4000K	2766

35W

L80B10 - 0.85 A | values calculated with beam angle 38°

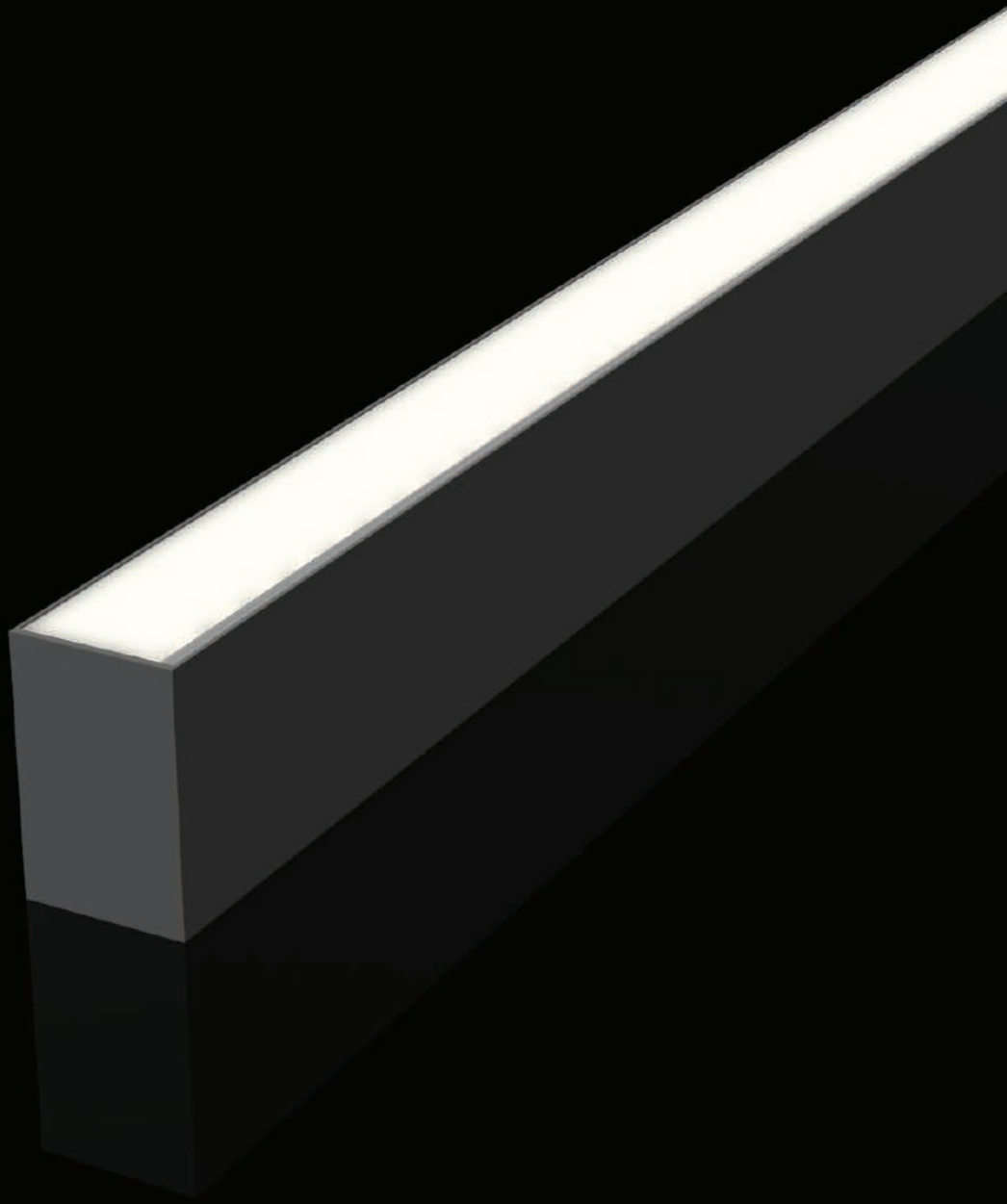
Colour T (K)	Delivered lumen (lm)
2700K	2509
3000K	2611
4000K	2766

LYNX

Lynx is a **linear system** designed for the lighting of professional spaces such as offices, retail and shops.

Together with **high ingress protection values** and a very **high UGR degree**, Lynx is manufactured in high purity aluminum, combined with a click cover.

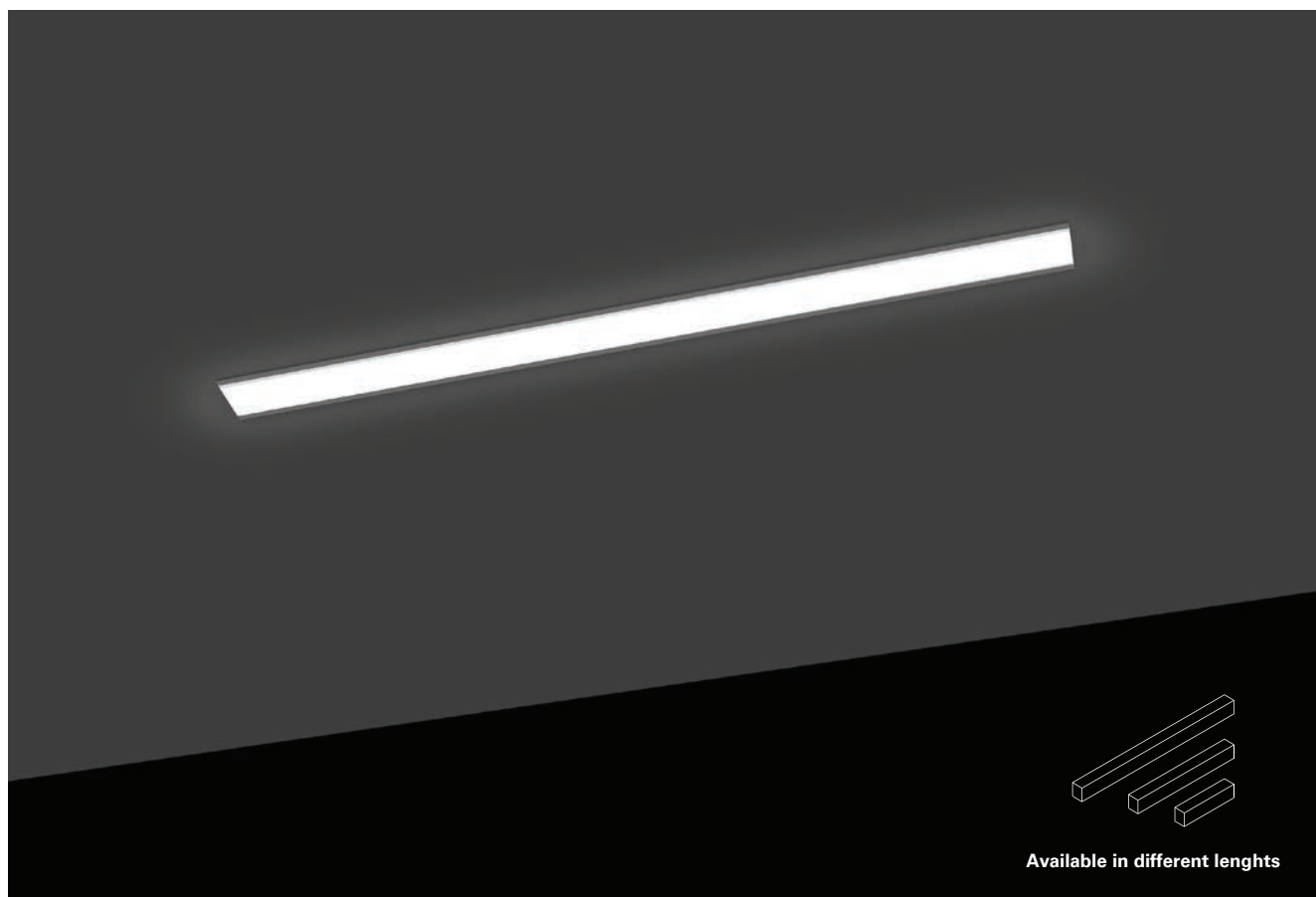
It is suitable for using on ceilings or for hanging luminaires and even on walls.



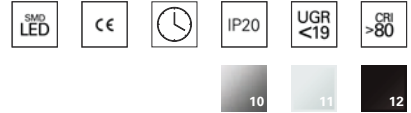
QUICK HANDBOOK.

lynx family

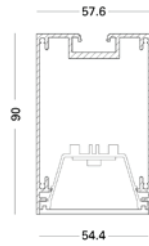
Power	from 25.60 W up to 76.80 W
Luminous Efficiency	up to 125 lm/W
Colour temperatures	3000K, 4000K, 5000K
CRI	>80
SDCM	3
Average lamp life	L80/B10 > 54000 (40°C)
IP Rating	IP 20
Available colours	Silver anodized 10, lacquered white 11, lacquered black 12







Surface mounted / Pendant



Lynx P

Code base	Length (mm)	Power (W)	Colour T (K)	Control	Finishes
ES- LXP	580	25 25.60W	30 3000K	DA DALI	10 Silver anodized
	860	38 38.40W	40 4000K	ND Not dimmable	11 Lacquered wh
	1140	51 51.20W	50 5000K		12 Lacquered bl
	1420	64 64W			
	1700	76 76.80W			

Code example:
ES-LXP 25 40 ND 12

25.80W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	3200
4000K	3456
5000K	3456

38.40W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	4804
4000K	5184
5000K	5184

51.20W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	6400
4000K	6912
5000K	6912

64W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	8004
4000K	8640
5000K	8640

76.80W

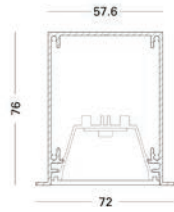
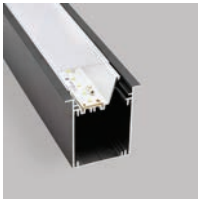
L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	9600
4000K	10368
5000K	10368

LYNX R



Recessed mounted



Lynx R

Code base	Length (mm)	Power (W)	ColourT (K)	Control	Finishes
ES- LXR	580	25 25.60W	30 3000K	DA DALI	10 Silver anodized
	860	38 38.40W	40 4000K	ND Not dimmable	11 Lacquered wh
	1140	51 51.20W	50 5000K		12 Lacquered bl
	1420	64 64W			
	1700	76 76.80W			

Code example:
ES-LXR 51 50 ND 11

25.80W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	3200
4000K	3456
5000K	3456

51.20W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	6400
4000K	6912
5000K	6912

76.80W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	9600
4000K	10368
5000K	10368

38.40W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	4804
4000K	5184
5000K	5184

64W

L80B10 |

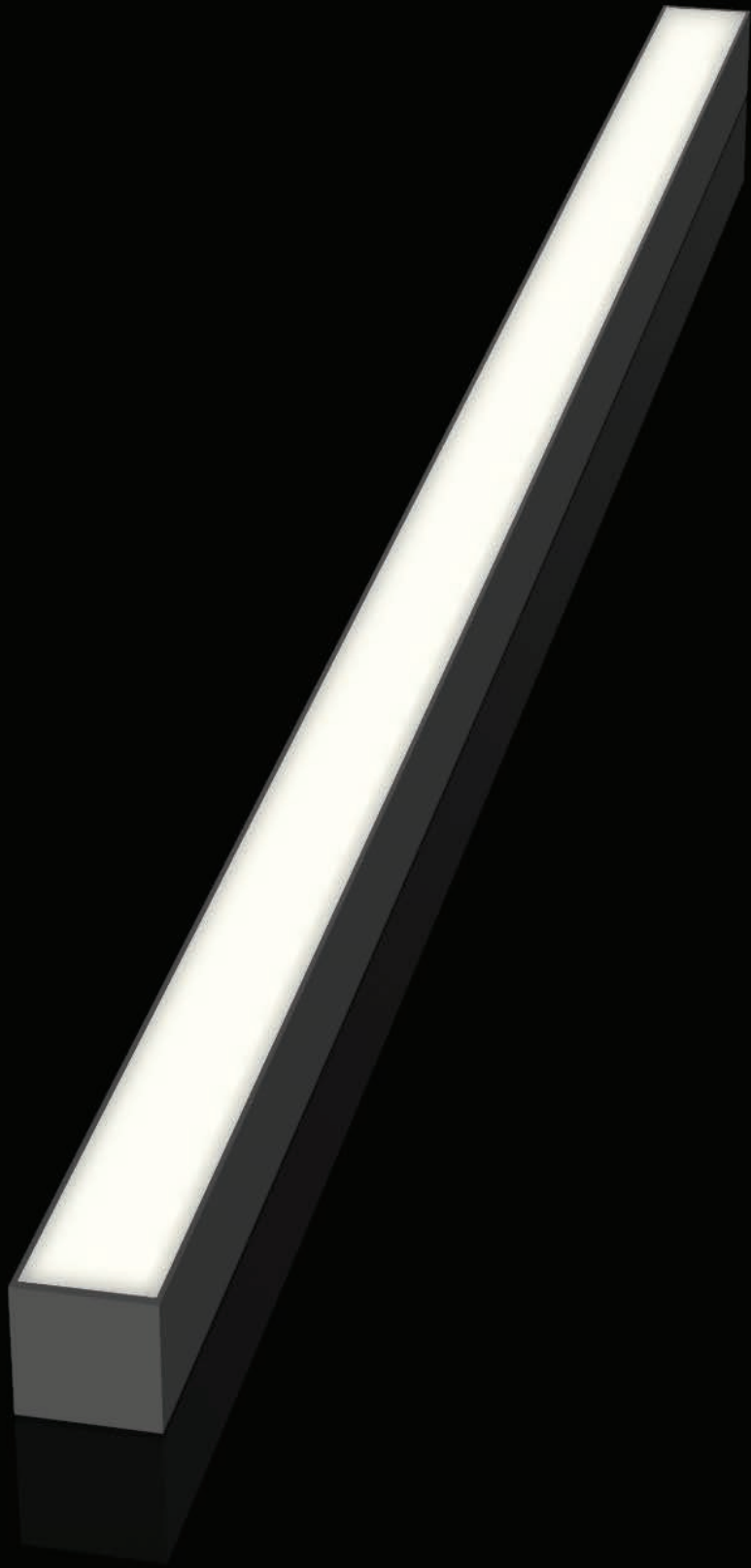
ColourT (K)	Delivered lumen (lm)
3000K	8004
4000K	8640
5000K	8640

MAYA

Maya is a **linear system** designed for the lighting of professional spaces such as offices, retail and shops.

Together with **high ingress protection values** and a very **high UGR degree**, Maya is manufactured in high purity aluminum, combined with a click cover.

It is suitable for using on ceilings or for hanging luminaires and even on walls.

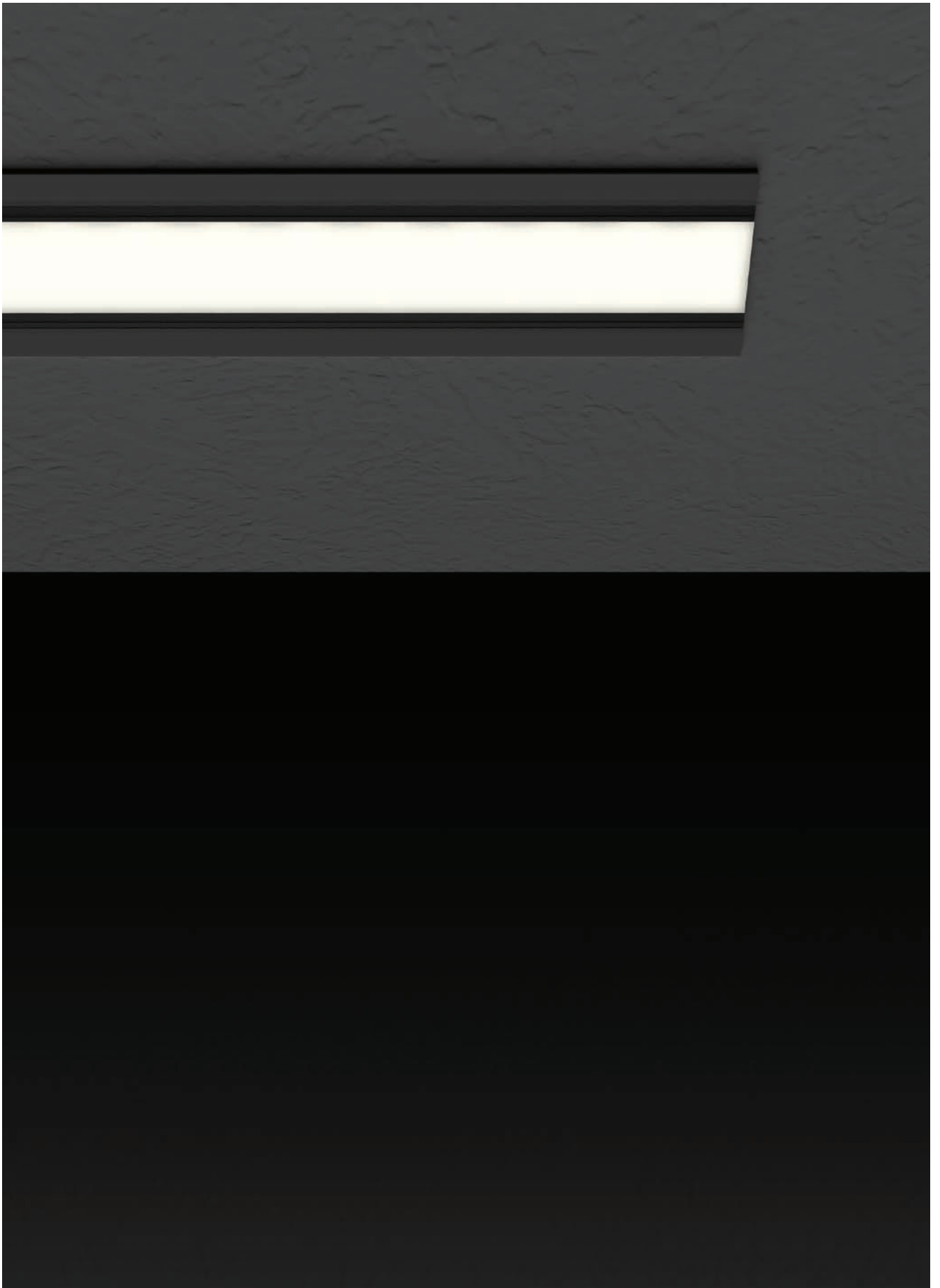


QUICK HANDBOOK.

maya family

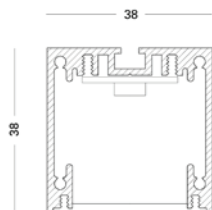
Power	from 25.60 W up to 76.80 W
Luminous Efficiency	up to 125 lm/W
Colour temperatures	3000K, 4000K, 5000K
CRI	>80
SDCM	3
Average lamp life	L80/B10 > 54000 (40°C)
IP Rating	IP 20
Available colours	Silver anodized 10, lacquered white 11, lacquered black 12







Surface mounted / Pendant



Maya P

Code base	Length (mm)	Power (W)	Colour T (K)	Control	Finishes
ES- MAP	580	25 25.60W	30 3000K	DA DALI	10 Silver anodized
	860	38 38.40W	40 4000K	ND Not dimmable	11 Lacquered wh
	1140	51 51.20W	50 5000K		12 Lacquered bl
	1420	64 64W			
	1700	76 76.80W			

Code example:
ES-MAP 25 40 ND 12

25.80W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	3200
4000K	3456
5000K	3456

38.40W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	4804
4000K	5184
5000K	5184

51.20W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	6400
4000K	6912
5000K	6912

64W

L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	8004
4000K	8640
5000K	8640

76.80W

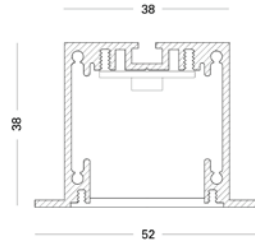
L80B10 |

Colour T (K)	Delivered lumen (lm)
3000K	9600
4000K	10368
5000K	10368

MAYA R



Recessed mounted



Maya R

Code base	Length (mm)	Power (W)	ColourT (K)	Control	Finishes
ES- MAR	580	25 25.60W	30 3000K	DA DALI	10 Silver anodized
	860	38 38.40W	40 4000K	ND Not dimmable	11 Lacquered wh
	1140	51 51.20W	50 5000K		12 Lacquered bl
	1420	64 64W			
	1700	76 76.80W			

Code example:
ES-MAR 51 50 ND 11

25.80W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	3200
4000K	3456
5000K	3456

51.20W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	6400
4000K	6912
5000K	6912

76.80W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	9600
4000K	10368
5000K	10368

38.40W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	4804
4000K	5184
5000K	5184

64W

L80B10 |

ColourT (K)	Delivered lumen (lm)
3000K	8004
4000K	8640
5000K	8640

TYL

Tyl is a **versatile, essential** and up-to-date linear fitting. Available in different lengths and versions, thanks to its simple shape it lends itself to multiple applications and installation solutions.

The strength of Tyl is a **diffused light**, completely **flicker free** and available in different color temperatures. For this reason Tyl is configured as the ideal product for commercial areas, residences and offices.



QUICK HANDBOOK.

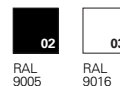
tyl family

Power	from 20 W up to 60 W
Luminous Efficiency	up to 105 lm/W
Colour temperatures	3000K, 4000K, 5000K, 6500K
CRI	85
SDCM	5
Average lamp life	70000
IP Rating	IP 42
Available colours	Black 02, White 03

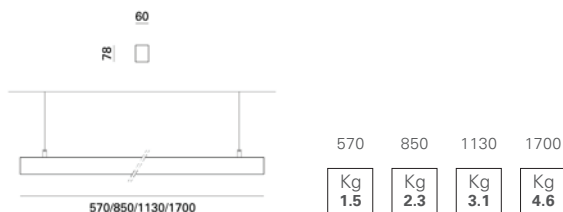




TYL P 60



Pendant



Tyl P 60 pendant

Code base	Length (mm)	Power (W)	Colour T (K)	Width (mm)	Finishes
ES-TYP	570	020 20W	30 3000K	60 60	02 RAL 9005
	850	030 30W	40 4000K		03 RAL 9016
	1130	040 40W	50 5000K		
	1700	060 60W	65 6500K		

Code example:
ES-TYP 040 40 60 02

20W

36 LED- 0.1 A |

Colour T (K)	Delivered lumen (lm)
3000K	1839
4000K	1975
5000K	1975
6500K	1957

30W

54 LED- 0.14 A |

Colour T (K)	Delivered lumen (lm)
3000K	3128
4000K	3360
5000K	3360
6500K	3330

40W

72 LED- 0.18 A |

Colour T (K)	Delivered lumen (lm)
3000K	3852
4000K	4137
5000K	4137
6500K	4100

60W

108 LED- 0.27 A |

Colour T (K)	Delivered lumen (lm)
3000K	5884
4000K	6320
5000K	6320
6500K	6263

TYL P 90





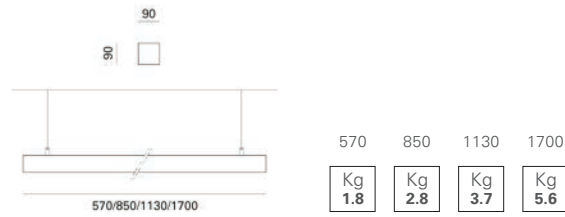








RAL 9005 RAL 9016

Pendant



Tyl P 90 pendant

Code base	Length (mm)	Power (W)	ColourT (K)	Width (mm)	Finishes
ES-TYP	570	020 20W	30 3000K	90 90	02  RAL 9005
	850	030 30W	40 4000K		03  RAL 9016
	1130	040 40W	50 5000K		
	1700	060 60W	65 6500K		

Code example:
ES-TYP 030 40 90 03

20W

36 LED- 0.1 A |

ColourT (K)	Delivered lumen (lm)
3000K	1602
4000K	1721
5000K	1721
6500K	1706

40W

72 LED- 0.18 A |

ColourT (K)	Delivered lumen (lm)
3000K	3427
4000K	3681
5000K	3681
6500K	3648

30W

54 LED- 0.14 A |

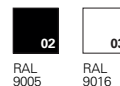
ColourT (K)	Delivered lumen (lm)
3000K	2523
4000K	2710
5000K	2710
6500K	2686

60W

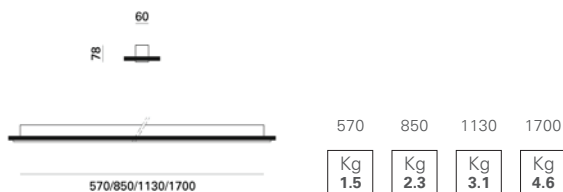
108 LED- 0.27 A |

ColourT (K)	Delivered lumen (lm)
3000K	5028
4000K	5401
5000K	5401
6500K	5352

TYL R 60



Recessed mounted



Tyl R 60 recessed

Code base	Length (mm)	Power (W)	Colour T (K)	Width (mm)	Finishes
ES-TYR	570	020 20W	30 3000K	60 60	02 RAL 9005
	850	030 30W	40 4000K		03 RAL 9016
	1130	040 40W	50 5000K		
	1700	060 60W	65 6500K		

Code example:
ES-TYR 030 65 60 02

20W

36 LED- 0.1 A |

Colour T (K)	Delivered lumen (lm)
3000K	1839
4000K	1975
5000K	1975
6500K	1957

40W

72 LED- 0.18 A |

Colour T (K)	Delivered lumen (lm)
3000K	3852
4000K	4137
5000K	4137
6500K	4100

30W

54 LED- 0.14 A |

Colour T (K)	Delivered lumen (lm)
3000K	3128
4000K	3360
5000K	3360
6500K	3330

60W

108 LED- 0.27 A |

Colour T (K)	Delivered lumen (lm)
3000K	5884
4000K	6320
5000K	6320
6500K	6263

TYL R 90





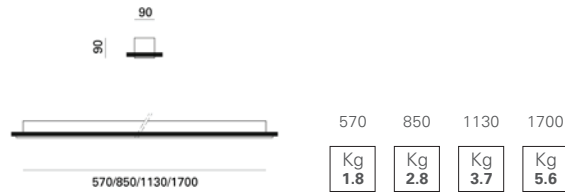








RAL 9005 RAL 9016

Recessed mounted



Tyl R 90 recessed

Code base	Length (mm)	Power (W)	ColourT (K)	Width (mm)	Finishes
ES-TYR	570	020 20W	30 3000K	90 90	02  RAL 9005
	850	030 30W	40 4000K		03  RAL 9016
	1130	040 40W	50 5000K		
	1700	060 60W	65 6500K		

Code example:
ES-TYR 060 65 90 02

20W

36 LED- 0.1 A |

ColourT (K)	Delivered lumen (lm)
3000K	1602
4000K	1721
5000K	1721
6500K	1706

40W

72 LED- 0.18 A |

ColourT (K)	Delivered lumen (lm)
3000K	3427
4000K	3681
5000K	3681
6500K	3648

30W

54 LED- 0.14 A |

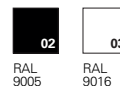
ColourT (K)	Delivered lumen (lm)
3000K	2523
4000K	2710
5000K	2710
6500K	2686

60W

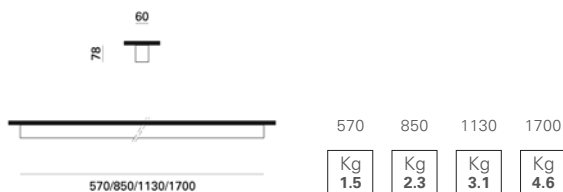
108 LED- 0.27 A |

ColourT (K)	Delivered lumen (lm)
3000K	5028
4000K	5401
5000K	5401
6500K	5352

TYL S 60



Surface mounted



Tyl S 60 surface

Code base	Length (mm)	Power (W)	Colour T (K)	Width (mm)	Finishes
ES-TYS	570	020 20W	30 3000K	60 60	02 RAL 9005
	850	030 30W	40 4000K		03 RAL 9016
	1130	040 40W	50 5000K		
	1700	060 60W	65 6500K		

Code example:
ES-TYS 030 40 60 03

20W

36 LED- 0.1 A |

Colour T (K)	Delivered lumen (lm)
3000K	1839
4000K	1975
5000K	1975
6500K	1957

40W

72 LED- 0.18 A |

Colour T (K)	Delivered lumen (lm)
3000K	3852
4000K	4137
5000K	4137
6500K	4100

30W

54 LED- 0.14 A |

Colour T (K)	Delivered lumen (lm)
3000K	3128
4000K	3360
5000K	3360
6500K	3330

60W

108 LED- 0.27 A |

Colour T (K)	Delivered lumen (lm)
3000K	5884
4000K	6320
5000K	6320
6500K	6263

TYL S 90





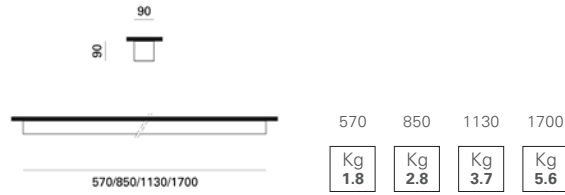








RAL 9005 RAL 9016

Surface mounted



Tyl S 90 surface

Code base	Length (mm)	Power (W)	ColourT (K)	Width (mm)	Finishes
ES-TYS	570	020 20W	30 3000K	90 90	02  RAL 9005
	850	030 30W	40 4000K		03  RAL 9016
	1130	040 40W	50 5000K		
	1700	060 60W	65 6500K		

Code example:
ES-TYS 030 50 90 02

20W

36 LED- 0.1 A |

ColourT (K)	Delivered lumen (lm)
3000K	1602
4000K	1721
5000K	1721
6500K	1706

40W

72 LED- 0.18 A |

ColourT (K)	Delivered lumen (lm)
3000K	3427
4000K	3681
5000K	3681
6500K	3648

30W

54 LED- 0.14 A |

ColourT (K)	Delivered lumen (lm)
3000K	2523
4000K	2710
5000K	2710
6500K	2686

60W

108 LED- 0.27 A |

ColourT (K)	Delivered lumen (lm)
3000K	5028
4000K	5401
5000K	5401
6500K	5352

STRIPILED

These Striped series are the innovative lighting solution that will transform your space into an extraordinary environment. Our LED strips are designed to offer the perfect combination of **functionality, style** and **energy efficiency**. With their flexibility and **easy installation**, you can create a unique and personalized atmosphere in every corner of your projects, from retail to hospitality spaces, both indoor and outdoor.

With our **wide range of powers** and **adjustable color temperatures**, you can create the ideal lighting for every moment: from warm and cozy light for relaxation to bright and vibrant light for daily activities.



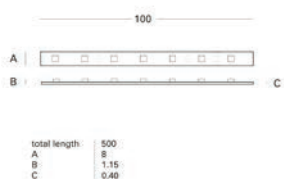
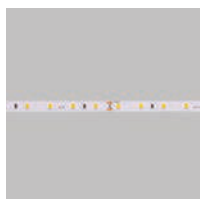
QUICK HANDBOOK.

indoor stripled

Power	from 4.8W/m up to 22 W/m
Colour temperatures	2700K, 3000K, 4000K, 5000K, 6500K
CRI	90
SDCM	3
Average lamp life	70000 hrs
IP Rating	IP 20 indoor







Stripled BASIC 60- IP20

Code base	IP Rating	Power (W)	Colour T (K)	Beam angle	
ES- BA	20 20	48 4,8W	20 2000K	120°	
		96 9,6W	27 2700K		
		14 14,40W	30 3000K		
			40 4000K		
			65 6500K		

Code example:
ES-BA 20 14 27

4,8W

60 LED- 24Vdc | values calculated with beam angle 120°

Colour T (K)	Delivered lumen (lm)
2000K	506
2700K	487
3000K	498
4000K	531
6500K	531

9,6W

60 LED- 24Vdc | values calculated with beam angle 120°

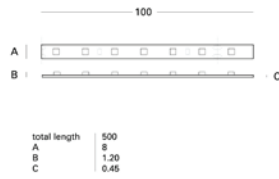
Colour T (K)	Delivered lumen (lm)
2000K	1012
2700K	1040
3000K	1084
4000K	1150
6500K	1128

14,4W

60 LED- 24Vdc | values calculated with beam angle 120°

Colour T (K)	Delivered lumen (lm)
2000K	1505
2700K	1273
3000K	1302
4000K	1389
6500K	1389

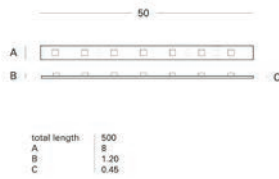
STRIPLED ADVANCED SERIES IP20



Stripled ADVANCED 60 - IP20

Code base	IP Rating	Power (W)	ColourT (K)	Beam angle	
ES- AD	20 20	48 4,8W	27 2700K	120°	
		14 14,40W	30 3000K		
			40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-AD 20 48 27



Stripled ADVANCED 120 - IP20

Code base	IP Rating	Power (W)	ColourT (K)	Beam angle	
ES- AD	20 20	96 9,6W	27 2700K	120°	
		22 22W	30 3000K		
			40 4000K		
			50 5000K		
			65 6500K		

Code example:
ES-AD 20 22 27

4,8W

60 LED- 24Vdc |

Colour T (K)	Delivered lumen (lm)
2700K	562
3000K	585
4000K	601
5000K	601
6500K	601

14,4W

60 LED- 24Vdc |

Colour T (K)	Delivered lumen (lm)
2700K	1500
3000K	1560
4000K	1620
5000K	1620
6500K	1620

9,6W

120 LED- 24Vdc |

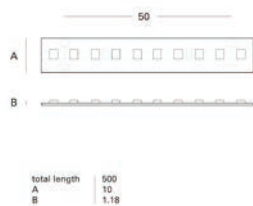
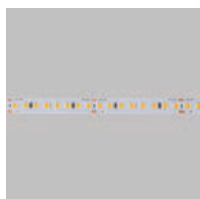
Colour T (K)	Delivered lumen (lm)
2700K	1125
3000K	1170
4000K	1215
5000K	1215
6500K	1215

22W

120 LED- 24Vdc |

Colour T (K)	Delivered lumen (lm)
2700K	2340
3000K	2433
4000K	2527
5000K	2527
6500K	2527

STRIPLED HIGH EFFICIENCY SERIES IP20



Stripled HIGH EFFICIENCY 160- IP20

Code base	IP Rating	Power (W)	Colour T (K)	Beam angle	
ES- HE	20 20	72 7,2W	27 2700K	120°	
		20 20W	30 3000K		
			40 4000K		
			65 6500K		

Code example:
ES-HE 20 72 30

7,2W

160 LED - 24Vdc | values calculated with beam angle 120°

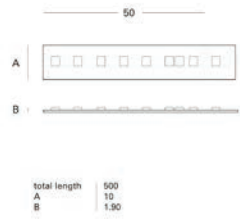
Colour T (K)	Delivered lumen (lm)
2700K	1153
3000K	1185
4000K	1241
6500K	1241

20W

160 LED - 24Vdc | values calculated with beam angle 120°

Colour T (K)	Delivered lumen (lm)
2700K	3222
3000K	3311
4000K	3467
6500K	3467

STRIPLED PREMIUM SERIES IP20



Stripled PREMIUM 140- IP20

Code base	IP Rating	Power (W)	ColourT (K)	Beam angle	
ES- PR	20 20	72 7,2W	20 2000K	120°	
		10 10W	27 2700K		
		22 22W	30 3000K		
			40 4000K		
			65 6500K		

Code example:
ES-PR 20 10 65

7,2W

140 LED- 24Vdc | values calculated with beam angle 120°

ColourT (K)	Delivered lumen (lm)
2000K	885
2700K	1009
3000K	1037
4000K	1085
6500K	1085

10W

140 LED- 24Vdc | values calculated with beam angle 120°

ColourT (K)	Delivered lumen (lm)
2000K	1229
2700K	1424
3000K	1463
4000K	1532
6500K	1532

22W

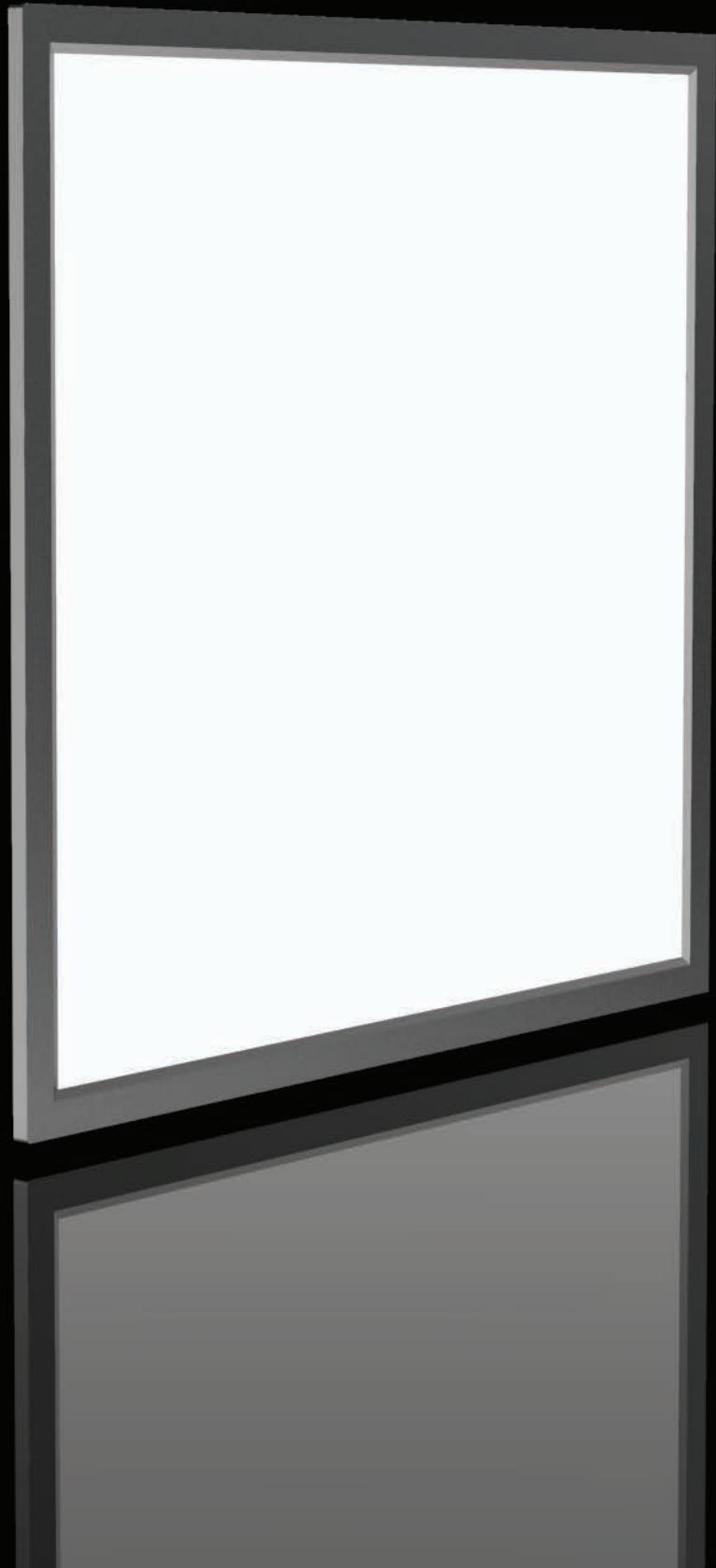
140 LED- 24Vdc | values calculated with beam angle 120°

ColourT (K)	Delivered lumen (lm)
2000K	2646
2700K	3121
3000K	3207
4000K	3358
6500K	3358

VILKA

Vilka is a family of suspended panels with Led technology, characterized by a **minimum thickness** and remarkable diffusing properties.

Vilka is available in the surface, recessed and suspended versions and is configured as the most classic of solutions for **general** or **office lighting**.



QUICK HANDBOOK.

vilka family

Power	40 W 60 W
Colour temperatures	3000K, 4000K, 6500K
CRI	85
SDCM	5
Average lamp life	70000
IP Rating	IP 42
Available colours	White 03





Surface



Kg
3.2



Vilka S

Code base	Size (mm)	Power (W)	ColourT (K)			Finishes
ES-VLS	600*600	40 40W	30 3000K			03 <input type="checkbox"/> RAL 9016
	600*600	60 60W	40 4000K			
			65 6500K			

Code example:
ES-VLS 40 40 03

40W

60 LED- 0.18 A | values calculated with beam angle diffused

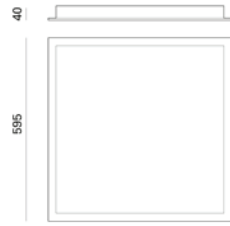
ColourT (K)	Delivered lumen (lm)
3000K	4523
4000K	4523
5000K	4523

60W

80 LED- 0.27 A | values calculated with beam angle diffused

ColourT (K)	Delivered lumen (lm)
3000K	6600
4000K	6600
5000K	6600

Recessed



Kg
3.2



Vilka R

Code base	Size (mm)	Power (W)	Colour T (K)			Finishes
ES - VLR	595*595	40 40W	30 3000K			03 <input type="checkbox"/> RAL 9016
	595*595	60 60W	40 4000K			
			65 6500K			

Code example:
ES-VLR 40 40 03

40W

60 LED - 0.18 A | values calculated with beam angle diffused

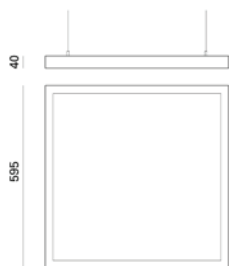
Colour T (K)	Delivered lumen (lm)
3000K	4523
4000K	4523
5000K	4523

60W

80 LED - 0.27 A | values calculated with beam angle diffused

Colour T (K)	Delivered lumen (lm)
3000K	6600
4000K	6600
5000K	6600

Pendant



Kg
3.2



Vilka P

Code base	Size (mm)	Power (W)	ColourT (K)			Finishes
ES-VLP	595*595	40 40W	30 3000K			03 <input type="checkbox"/> RAL 9016
	595*595	60 60W	40 4000K			
			65 6500K			

Code example:
ES-VLP 40 40 03

40W

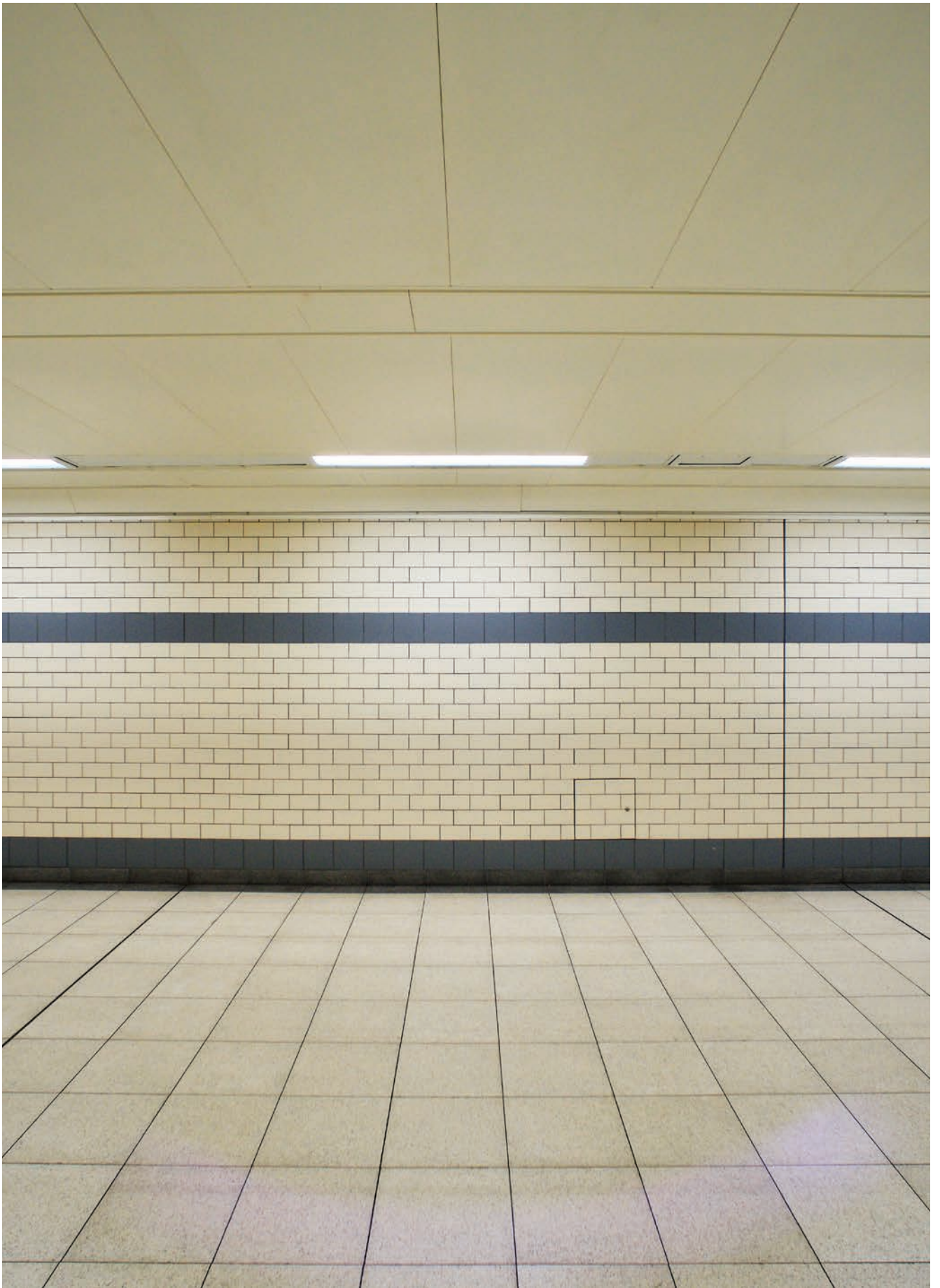
60 LED- 0.18 A | values calculated with beam angle diffused

ColourT (K)	Delivered lumen (lm)
3000K	4523
4000K	4523
5000K	4523

60W

80 LED- 0.27 A | values calculated with beam angle diffused

ColourT (K)	Delivered lumen (lm)
3000K	6600
4000K	6600
5000K	6600



TECHNICAL INFO

How to read products.

A simple guide to compose your own codes



CARINA 1

Product name

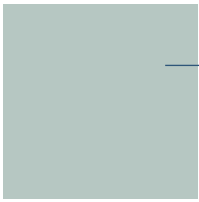
Icons & Certifications



Finishes



Pole head Product type



Product photo



Product technical drawing



Product family



Mounting type



Optics

CARINA 1 Mid Module

Code base	LED module	Power (W)	ColourT (K)	Beam angle	Finishes
It's always composed by the root	Led module mounted on product	Available wattages	Correlated Color Temperature	Beam angles	Product final painting
ES- CA1	MP Mid Power	020 20W	30 3000K	01 Street Type 1	01 RAL 7037
		025 25W	40 4000K	02 Street Type 2	02 RAL 9005
		030 30W	50 5000K	03 Street Type 3	03 RAL 9016
		035 35W	65 6500K		04 RAL 7024
		040 40W			
		050 50W			

*Please note that depending on the type of product, the values in the columns may vary

Code example:

ES-CA1 MP 025 30 01 02

Code composition example

Table of delivered lumen divided by tipe of wattage

40W

64 LED- 0.18 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	4700
4000K	5047
5000K	5047
6500K	5000

50W

96 LED- 0.22 A | values calculated with beam angle Street Type 1

ColourT (K)	Delivered lumen (lm)
3000K	5876
4000K	6310
5000K	6310
6500K	6252

Espica Central Office

66 Vitosha boulevard - Floor 4 Triaditza district 1463 Sofia,
Bulgaria
Phone: +359 893 008598
info@espica.lighting

Espica Dubai Office

Al Barsha 1, Dubai - UAE
info@espica.lighting

Espica Milan Office

Via Oreste Salomone, 67/E - Building 19
20138 Milano, Italy
info@espica.lighting

Factory address

1 Shipka str Yagodovo
Plovdiv, Bulgaria



espica.lighting

