BEYOND

LIGHTING FACTORY

OUTDOOR CATALOGUE

THE RIGHT LIGHT

ESTABLISHED IN QATAR
in 2011

Established in Qatar in 2011, Beyond Lighting embarked on a journey to enhance the experience of lighting. In 2020, we evolved from a trusted solution provider to a manufacturer with global aspirations, specializing in innovative and sustainable lighting solutions.

We believe that lighting has the power to create immersive environments, enhance well-being, and contribute to a sustainable future for all. Driven by this belief, our company has gained a reputation for delivering top-quality products and engineering services in the lighting domain, by utilizing the best components, cutting-edge technologies, and the highest grades of materials.

BEYOND LIGHTING FACTORY

By promoting ourselves as a manufacturer that harnesses the power of the finest components, groundbreaking technologies, and creative solutions, we aim to revolutionize the lighting industry and cast a positive impact across the world. Our rich history and achievements serve as the foundation upon which we continue to build, as we strive to meet and exceed the needs and expectations of clients worldwide.

As part of our development plan, we have been inspired after 10 years of experience and know-how in the lighting and solar lighting industry to start our own factory , Beyond Lighting Factory, a 3500 square meter premises in industrial area, zone 81 street 11.

The company has always ensured the highest quality standards while paying close attention to technological advancement and the idea of environmental sustainability.

From design to production & distribution,

Beyond Lighting monitors the product development process at every stage. The high-tech machines and sophisticated automation techniques are a component of an ambitious project that BL can be proud of.

Fully automated work phases that require the least amount of human participation, include high-tech laser cutting equipment, rolling machines, bending machines, metal rolling and cutting machines, and all forms of laboratory testing.

INSPIRED BY QATAR

DEVELOPMENT
PROSPERITY
PROGRESS

With a strong foundation in the Qatari market, Beyond Lighting has illuminated more than 150 projects in Qatar and the Middle East, including projects for the FIFA World Cup held in Qatar. We provided lighting solutions that met the highest world standards for prestigious undertakings such as Al Bayt Stadium, Ahmed Bin Ali Stadium, and Doha Port, which achieved the highest grades of GSAS (Global Sustainability Assessment System) certification. Our expertise in delivering top-quality, sustainable lighting for such high-profile projects further showcases our capabilities to deliver to world-class standards.

PRODUCT OVERVIEW

IN-GROUND UPLIGHTS

SIDRA MINI 1

SIDRA MINI 2

SIDRA FIXED 1

SIDRA FIXED 2

SIDRA FIXED 3

SIDRA FIXED 4

SIDRA FIXED 5

SIDRA FIXED 6

SIDRA TILTABLE 1

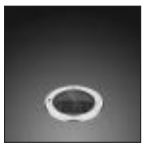
SIDRA TILTABLE 2

SIDRA TILTABLE 3

SIDRA ADJUSTABLE 1

SIDRA ADJUSTABLE 2

SIDRA ADJUSTABLE 3


SIDRA ADJUSTABLE 4

SIDRA ADJUSTABLE 5

SIDRA ADJUSTABLE 6

IN-GROUND MARKERS

QATAF 1

QATAF 2

QATAF 3

QATAF 4

QATAF 5

QATAF 6

SPOTLIGHTS

ZEKREET SCREWLESS 1

ZEKREET SCREWLESS 2

ZEKREET SCREWLESS 3

ZEKREET 1

ZEKREET 2

ZEKREET 3

ZEKREET 4

VIVID

STREET LIGHTING

SAQR MINI

SAQR MIDI

SAQR MAXI

AREA & SPORTS LIGHTING

PHOTON MINI

PHOTON MIDI

PHOTON MAXI

THAQAB

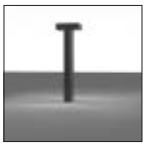
REY

WALL LIGHTS

MAHA
SURFACE

BOLLARDS

BEND B


BEND B(DUAL)

EDGE OPEN B

EDGE CLOSED

PATTERN B

QUADRANT B

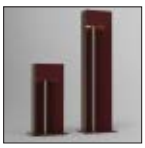
ORBIT

SWEEP

EQUILIBRIUM

GLOBO

SIGNAL


PRISM

SOLAR LIGHTING

SWEEP SOLAR
BOLLARD

ECO SLIM
BOLLARD

DHOW SOLAR
SMART POLE

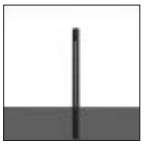
POLES

QUADRANT P

EDGE OPEN P

PATTERN P

ZEKREET MULTI P


QUADRANT SLIM P

LUNA RING

BELL

TORCH

FLAME

HALO

LINEAR RECESSED/SURFACE

KOOT ADJUSTABLE 1

KOOT ADJUSTABLE 2

KOOT ADJUSTABLE 3

KOOT ADJUSTABLE 4

KOOT ADJUSTABLE 5

KOOT ADJUSTABLE 6

KOOT BLADE

KOOT GRAZER 1

KOOT GRAZER 2

KOOT GLOW

KOOT GRAZER ROUND

KOOT PRO

HANDRAIL

GLOW RAIL LINEAR (SQ) 2

GLOW RAIL LINEAR (R) 2

GLOW RAIL DOT 4

SIDRA SERIES

BEYOND
the name ...

The SIDRA Tree is Qatar's national tree. This tree signifies a beacon of learning and comfort in the desert; it has, in the past, offered shade for poets and scholars who gathered under the tree to share their knowledge. It's deep roots which are like an anchor link together contemporary learning and growth with Qatar's cultural legacy and its traditions.

The element of the SIDRA tree is a much loved and multi-faceted icon of the Qatari culture and rich heritage; it is part of QNCC's landmark face and also the logo for Qatar Foundation. This native Qatari tree is nurtured in the harsh heat and dry climate of the country's desert areas, especially towards its north and centre.

H.H. Sheikha Moza Bint Nasser, the Mother Amir and Chairperson of Qatar Foundation, talked about the SIDRA Tree and its significance during a speech on 13 October 2003. This is what she had to say:

"The Sidra Tree, growing strong and proud in the harshest of environments, has been a symbol of perseverance and nourishment across the borders of the Arab world. What is the significance of this glorious tree? With its roots bound in the soil of this world and its branches reaching upwards toward perfection, it is a symbol of solidarity and determination; it reminds us that the goals of this world are not incompatible with the goals of the spirit."

SIDRA SERIES

SERIES 1
MINI UPLIGHTS

SIDRA MINI 1
Uplight 0.5W

SIDRA MINI 2
Uplight 1.5W

SERIES 2
FIXED UPLIGHTS

SIDRA FIXED 1
3.5W-6W

SIDRA FIXED 2
7W-11W

SIDRA FIXED 3
16W

SIDRA FIXED 4
14W-22W

SIDRA FIXED 5
30W-40W

SIDRA FIXED 6
56W-72W

SERIES 3
TILTABLE UPLIGHTS

SIDRA TILTABLE 1
16W

SIDRA TILTABLE 2
14/32W

SIDRA TILTABLE 3
42/60W

SIDRA SERIES

SERIES 4
ADJUSTABLE UPLIGHTS

SIDRA ADJUSTABLE 1
10W

SIDRA ADJUSTABLE 2
10W

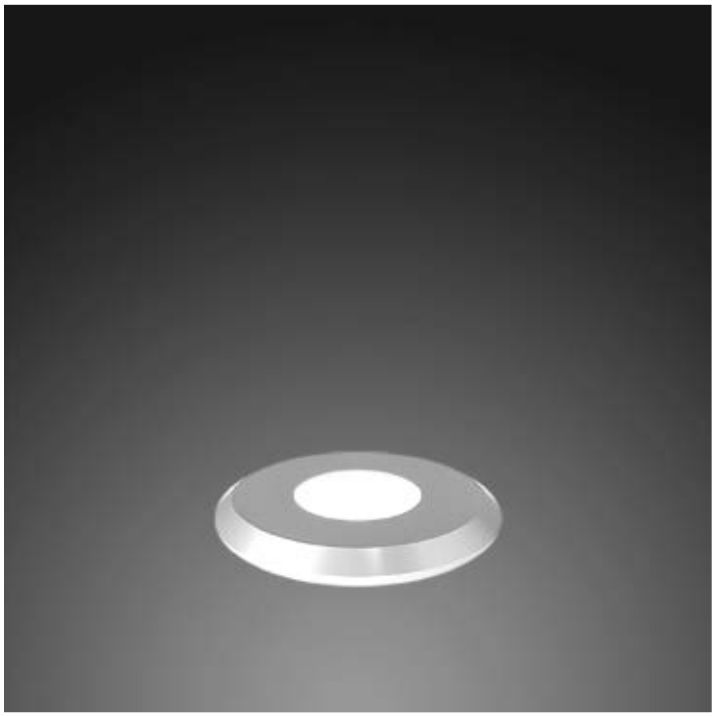
SIDRA ADJUSTABLE 3
20W

SIDRA ADJUSTABLE 4
30W

SIDRA ADJUSTABLE 5
50W

SIDRA ADJUSTABLE 6
90W

SIDRA MINI 1



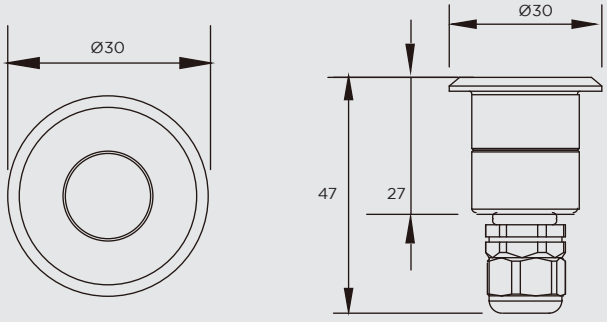
IP67 | IK10 | 24Vdc | 5 YRS Warranty | 0.5 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Stainless Steel
Frame	Stainless Steel
Finish	Stainless Steel
Dimensions	Ø30xH47mm
OPTICAL	
Diffuser	Frosted tempered glass
Light Emission	Symmetrical
Aiming	Fixed
Beam Angle	120°
ELECTRICAL	
Light source	LED 1 pcs CREE
Lumen	15lm
CCT	2700K, 3000K, 4000K, 6000K
CRI	>80
Driver	24Vdc
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

SIDRA MINI series recessed lighting fixtures is characterized by a small dimension. Available in various sizes, they are designed as walkway and step light with diffused light. The body and diffuser closure ring are made of Aluminum silicone gaskets to ensure maximum sealing in all operating and temperature conditions.
The external finishing frame is in stainless steel.



ORDERING CODE

SERIES NAME - CCT - CONTROL

SIDRA MINI 1	27 2700K	1 ON-OFF
	30 3000K	2 1-10V
	40 4000K	3 DALI
	60 6000K	

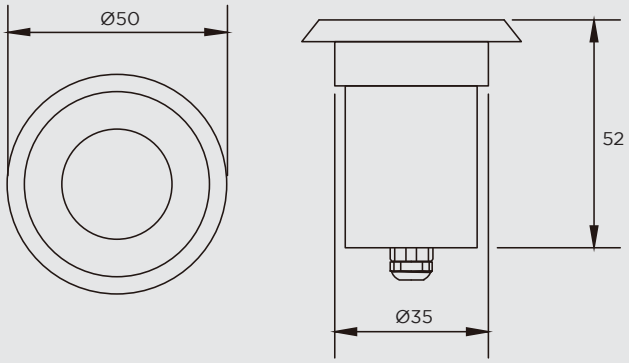
SIDRA MINI 2

IP67 | IK10 | 24Vdc | 5 YRS Warranty | 15 WATTS

Upon request: 1-10V | DMX | MONO COLOR | RGB

PHYSICAL	
Body	Stainless Steel 316L
Frame	Stainless Steel 316L
Finish	Stainless Steel 316L
Sleeve	Polycarbonate
Dimensions	Ø50xH52mm
OPTICAL	
Diffuser	Tempered clear glass/Tempered frosted glass
Light Emission	Symmetrical
Aiming	Fixed
Beam Angle	12.5°, 20°, 30°, 45°(clear)/120° (frosted)
ELECTRICAL	
Light source	LED 1 pcs CREE
Lumen	98lm
CCT	3000K - 4000K
Driver	24Vdc
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

SIDRA MINI series recessed lighting fixtures is characterized by a small dimension. Available in various sizes, they are designed as walkway and step light with diffused light. The body and diffuser closure ring are made of Aluminum silicone gaskets to ensure maximum sealing in all operating and temperature conditions.
The external finishing frame is in stainless steel.



ORDERING CODE

SERIES NAME	CCT	OPTICS	CONTROL
SIDRA MINI 2	27 2700K	12.5 12.5°	1 ON-OFF
	30 3000K	20 20°	2 1-10V
	40 4000K	30 30°	3 DALI
	65 6500K	45 45°	4 DMX512
	RGB	120 120°	

This image is for application purposes only.

SIDRA FIXED SERIES

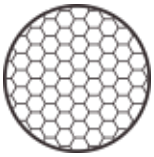
IP67 | IK10 | 220-240V | 5 YRS Warranty | 3.5 - 72 WATTS

Upon request: 1-10V | DALI

PHYSICAL	
Body	Anodized die-cast Aluminum
Frame	Stainless Steel 316L
Recessing tube	Aluminum Alloy
OPTICAL	
Diffuser	Tempered Glass
Light Emission	Symmetrical
Aiming	Fixed
CRI	>80
ELECTRICAL	
CCT	3000K - 4000K - 5000K
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

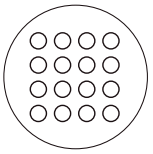
SIDRA FIXED series is specially designed to deliver low-glare lighting, thanks to the round meshed grill, to façades, columns, monuments and trees with minimal installation depth. The fixture is made of a combination of 316L stainless steel and die-cast Aluminum. It has an optical PMMA secondary light distribution technology, viewing angle, light-gathering effects that can be adjusted by various lens according to demands and could be supplied with an optional honeycomb louvre and/or anti-slip glass.

ACCESSORIES



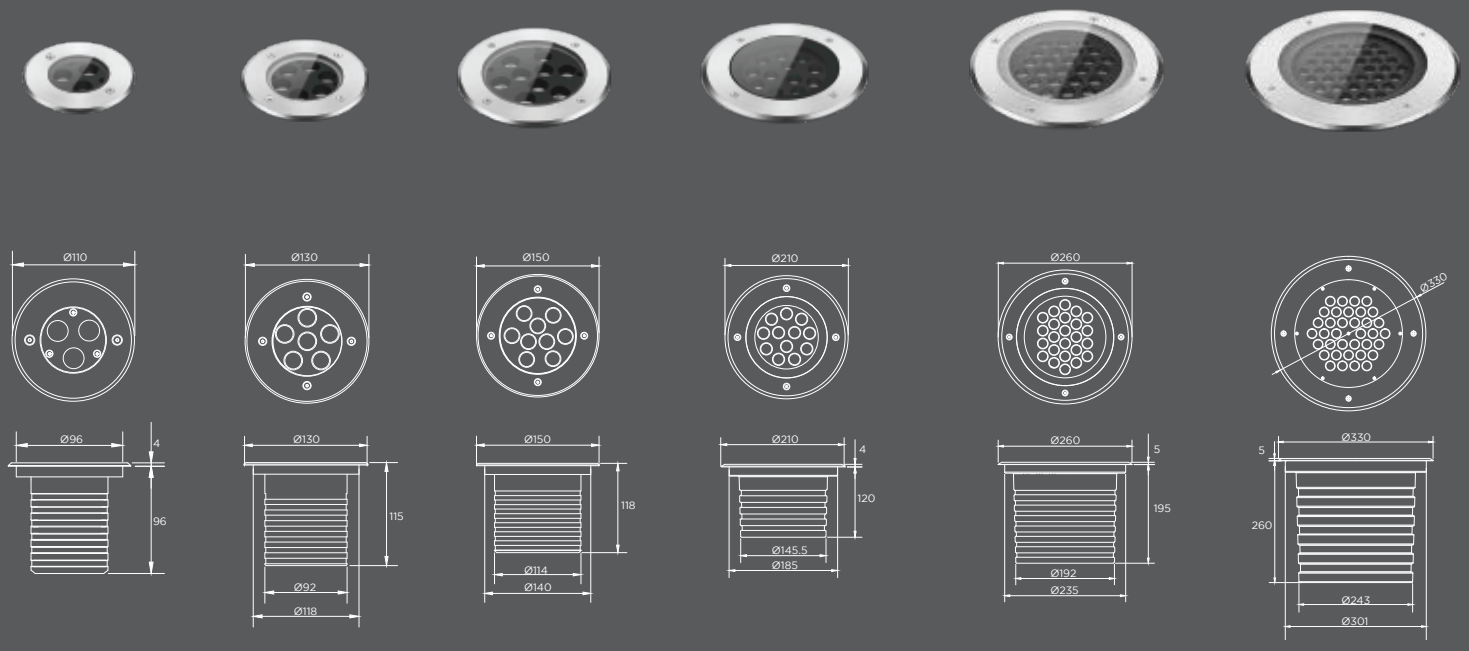
Honeycomb Grill

Anti-Slip Glass



Round-Meshed Grill

SIDRA FIXED 1 | SIDRA FIXED 2 | SIDRA FIXED 3 | SIDRA FIXED 4 | SIDRA FIXED 5 | SIDRA FIXED 6



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	Beam angle
SIDRA FIXED 1.1	3.5W	227.5lm	Ø110xH100	3 pcs	8°,12.5°,20°,30°,45°,60°
SIDRA FIXED 1.2	6W	390lm	Ø110xH100	3 pcs	8°,12.5°,20°,30°,45°,60°
SIDRA FIXED 2.1	7W	455lm	Ø130xH115	6 pcs	8°,12.5°,20°,30°,45°,60°
SIDRA FIXED 2.2	12W	715lm	Ø130xH115	6 pcs	8°,12.5°,20°,30°,45°,60°
SIDRA FIXED 3.1	16W	1040lm	Ø150xH118	9 pcs	8°,12.5°,20°,30°,45°,60°
SIDRA FIXED 4.1	14W	910lm	Ø210xH124	12 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA FIXED 4.2	22W	1430lm	Ø210xH124	12 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA FIXED 5.1	30W	1950lm	Ø260xH200	18 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA FIXED 5.2	40W	2600lm	Ø260xH200	24 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA FIXED 6.1	56W	3640lm	Ø330xH260	36 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA FIXED 6.2	72W	4680lm	Ø330xH260	36 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL - ACCESSPROES

SIDRA FIXED	1.1	30 3000K Refer to	1 ON-OFF	HG Honeycomb grill
	1.2	40 4000K above table	2 1-10V	AS Anti slip glass
	2.1	50 5000K	3 DALI	RM Round meshed grill
	2.2			
	3.1			
	4.1			
	4.2			
	5.1			
	5.2			
	6.1			
	6.2			

This image is for application purposes only.

SIDRA TILTABLE SERIES

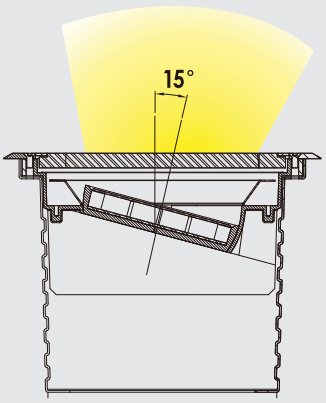
IP67 | IK10 | 220-240V | 5 YRS Warranty | 14-60 WATTS

Upon request

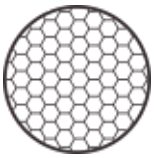
1-10V

PHYSICAL	
Body	Anodized die-cast Aluminum
Frame	Stainless Steel 316L
Recessing tube	Aluminum Alloy
OPTICAL	
Diffuser	Tempered Glass
Light Emission	Symmetrical
Aiming	Fixed
CRI	>80
ELECTRICAL	
CCT	3000K - 4000K - 5000K
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

SIDRA TILTABLE series is specially designed to deliver low-glare lighting, thanks to the round meshed grill, to façades, columns, monuments and trees with minimal installation depth. The fixture is made of a combination of 316L stainless steel and die-cast Aluminum. It has an optical PMMA secondary light distribution technology, viewing angle, light-gathering effects that can be adjusted by various lens according to demands and could be supplied with an optional honeycomb louvre and/or anti-slip glass.

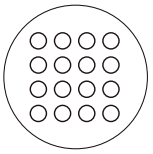


ACCESSORIES



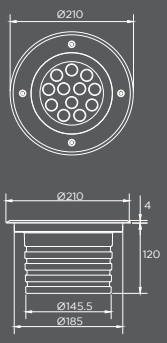
Honeycomb Grill

Anti-Slip Glass

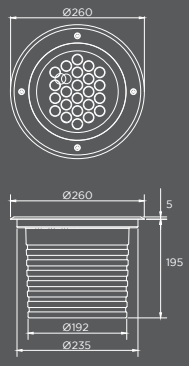


Round-Meshed Grill

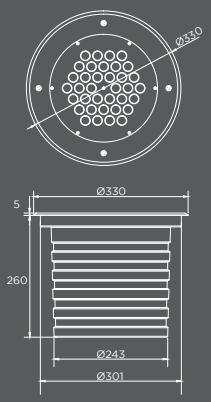
SIDRA TILTABLE 1



SIDRA TILTABLE 2.1-2.2



SIDRA TILTABLE 3.1-3.2



PRODUCT RANGE

	Rated Power(W)	Lumen(lm) at 20°	Dimensions(mm)	LED Quantity(pcs)	Beam angle
SIDRA TILTABLE 1	16W	1040lm	Ø210xH164	6 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA TILTABLE 2.1	14W	910lm	Ø260xH196	12 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA TILTABLE 2.2	32W	2080lm	Ø260xH196	12 pcs	8°,12.5°,20°,30°,45°,60°,15x30°,10x60°
SIDRA TILTABLE 3.1	42W	3570lm	Ø330xH265	12 pcs	6°,8°,12°,20°,30°,60°,10x70°
SIDRA TILTABLE 3.2	60W	6600lm	Ø330xH265	12 pcs	6°,8°,12°,20°,30°,60°,10x70°

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL - ACCESSPROES

SIDRA TILTABLE	1	30 3000K Refer to	1 ON-OFF	HG Honeycomb grill
	2.1	40 4000K above table	2 1-10V	AS Anti slip glass
	2.2	50 5000K	3 DALI	RM Round meshed grill
	3.1			
	3.2			

This image is for application purposes only.

SIDRA ADJUSTABLE SERIES

IP67 | IK10 | 220-240V | 5 YRS Warranty | 6-90 WATTS

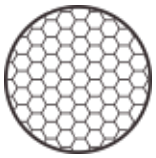
Upon request: 1-10V | DALI | RGB | DMX

PHYSICAL	
Body	Anodized die-cast Aluminum
Frame	Stainless Steel 316L
Recessing tube	Aluminum Alloy
OPTICAL	
Diffuser	Tempered Glass
Aiming	Adjustable -5° ~ +15°
CRI	>80
ELECTRICAL	
CCT	3000K - 4000K - 5000K
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

SIDRA ADJUSTABLE series is specially designed to deliver low-glare lighting, thanks to the round meshed grill, to façades, columns, monuments and trees with minimal installation depth. The fixture is made of a combination of 316L stainless steel and die-cast Aluminum. It has an optical PMMA secondary light distribution technology, viewing angle, light-gathering effects that can be adjusted by various lens according to demands and could be supplied with an optional honeycomb louvre and/or anti-slip glass.

This unique design can be adjusted easily from the outside without the need to open it, using an Allen key.

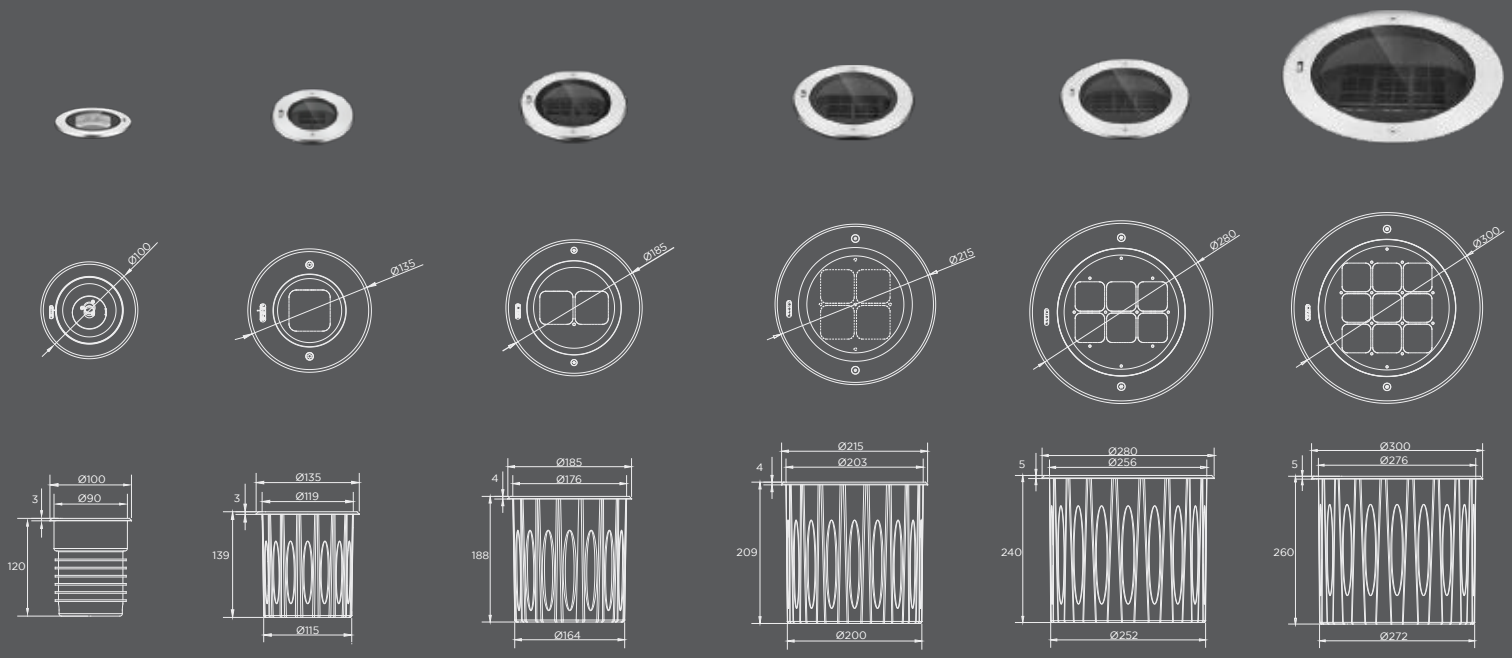
ACCESSORIES



Honeycomb Grill

Anti-Slip Glass

SIDRA ADJUSTABLE 1 | SIDRA ADJUSTABLE 2 | SIDRA ADJUSTABLE 3 | SIDRA ADJUSTABLE 4 | SIDRA ADJUSTABLE 5 | SIDRA ADJUSTABLE 6



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	CCT(K)	Beam angle
SIDRA ADJUSTABLE 1.1	6W	300lm	Ø100xH120	1 pcs	Single	2.5°
SIDRA ADJUSTABLE 1.2	6W	300lm	Ø100xH120	1 pcs	Single	8°,12°,20°,30°,45°,60°,10x70°,5x20°
SIDRA ADJUSTABLE 1.3	10W	500lm	Ø100xH120	1 pcs	RGBW	9°,15°,20°,30°,45°,15x60°
SIDRA ADJUSTABLE 2.1	10W	500lm	Ø135xH139	1 pcs	Single	2°
SIDRA ADJUSTABLE 2.2	10W	500lm	Ø135xH139	1 pcs	Single	4.5°,8°,12°,20°,30°,45°,60°,10x70°,5x20°
SIDRA ADJUSTABLE 2.3	10W	500lm	Ø135xH139	1 pcs	RGBW	6°,8°,15°,20°,30°,15x60°
SIDRA ADJUSTABLE 3.1	20W	1000lm	Ø185xH188	2 pcs	Single	4.5°,8°,12°,20°,30°,45°,60°,10x70°,5x20°
SIDRA ADJUSTABLE 3.2	20W	1000lm	Ø185xH188	2 pcs	RGBW	6°,8°,15°,20°,30°,15x60°
SIDRA ADJUSTABLE 4.1	30W	1500lm	Ø215xH209	4 pcs	Single	2°
SIDRA ADJUSTABLE 4.2	30W	1500lm	Ø215xH209	4 pcs	Single	4.5°,8°,12°,20°,30°,45°,60°,10x70°,5x20°
SIDRA ADJUSTABLE 4.3	40W	2000lm	Ø215xH209	4 pcs	RGBW	6°,8°,15°,20°,30°,15x60°
SIDRA ADJUSTABLE 5.1	40W	2000lm	Ø280xH240	6 pcs	Single	2°
SIDRA ADJUSTABLE 5.2	50W	2500lm	Ø280xH240	6 pcs	Single	4.5°,8°,12°,20°,30°,45°,60°,10x70°,5x20°
SIDRA ADJUSTABLE 5.3	60W	3000lm	Ø280xH240	6 pcs	RGBW	6°,8°,15°,20°,30°,15x60°
SIDRA ADJUSTABLE 6.1	70W	3500lm	Ø300xH260	9 pcs	Single	2°
SIDRA ADJUSTABLE 6.2	80W	4000lm	Ø300xH260	9 pcs	Single	4.5°,8°,12°,20°,30°,45°,60°,10x70°,5x20°
SIDRA ADJUSTABLE 6.3	90W	4500lm	Ø300xH260	9 pcs	RGBW	6°,8°,15°,20°,30°,15x60°

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL - ACCESSPROES

SIDRA ADJUSTABLE

PRODUCT RANGE: 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 4.2, 4.3, 5.1, 5.2, 5.3, 6.1, 6.2, 6.3

CCT: 30 3000K, 40 4000K, 50 5000K, RGBW

OPTICS: Refer to above table

CONTROL: 1 ON-OFF, 2 1-10V, 3 DALI, 4 DMX/RDM

ACCESSPROES: HG Honeycomb grill, AS Anti slip glass

This image is for application purposes only.

QATAF

BEYOND
the name ...

The QATAF is Qatar's national flower and grows along the country's coastal line. QATAF, also known as Lemonium or Sea Lavender, has pink or lilac flowers that grow in clusters from a bright redbud and can be seen in Qatar from the months of March to May, The flowers are decorated almost everywhere around the city to have a beautiful view

This flower symbolizes success, beauty, sympathy, and remembrance. The profound meaning of Limonium conveys ''I miss you'' when you give these flowers to someone you are fond of. Limonium blooms in spring and summer. They come in an incredible range of colors such as blue, lilac, yellow, white, pink, and purple.

This image is for application purposes only.

QATAF SERIES

QATAF 1
MONO
3W

QATAF 2
DUAL
4W

QATAF 3
QUADRO
4W

QATAF 4
MULTI
4W

QATAF 5
MONO
10W

QATAF 6
DUAL
10W

QATAF SERIES

IP67 | IK10 | 220-240V | 5 YRS Warranty | 3-10 WATTS | Drive over

PHYSICAL	
Body	Stainless Steel 316L
Frame	Stainless Steel 316L
Recessing tube	Polycarbonate
OPTICAL	
Diffuser	Polycarbonate
Light Emission	Mono, Dual, Quadro, Multi
CRI	>80
ELECTRICAL	
CCT	3000K - 4000K
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

QATAF series is a range of compact recessed marker lights, with an IP67 protection rating. The power supply is built into the structure, so they can be connected directly to the power line, making installation easier. The body is made of AISI 316 L steel with lateral light emission to indicate pathways and pedestrian zones.

The luminaries are available with different light sectors for various on-site lighting situations. The light from the luminaries is directed immediately above ground level onto the surface to be illuminated, thus illuminating walkways and traffic areas or highlighting potential hazards such as stairs and steps.

QATAF 1
MONO

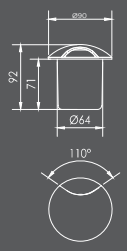
QATAF 2
DUAL

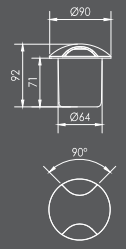
QATAF 3
QUADRO

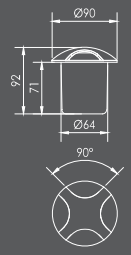
QATAF 4
MULTI

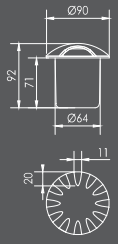
QATAF 5
MONO

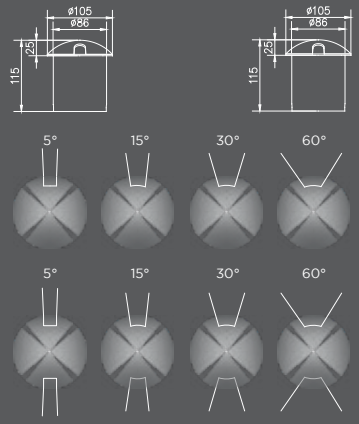
QATAF 6
DUAL











PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	Beam angle
QATAF 1	3W	30lm	Ø90xH92	1 pcs	60°
QATAF 2	4W	40lm	Ø90xH92	2 pcs	2x60°
QATAF 3	4W	40lm	Ø90xH92	4 pcs	4x60°
QATAF 4	4W	40lm	Ø90xH92	4 pcs	12x15°
QATAF 5	10W	150lm	Ø105xH115	1 pcs	5°,15°,30°,60°
QATAF 6	10W	150lm	Ø105xH115	2 pcs	2x5°,2x15°,2x30°,2x60°

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
QATAF	1	30 3000K	Refer to	I ON-OFF
	2	40 4000K	above table	
	3			
	4			
	5			
	6			

This image is for application purposes only.

SPOTLIGHTS SERIES

SPOTLIGHTS SERIES

ZEKREET SCREWLESS SERIES

ZEKREET
SCREWLESS 1.1-1.3
Spotlight 6-10W

ZEKREET
SCREWLESS 2.1-2.3
Spotlight 11-42W

ZEKREET
SCREWLESS 3.1-3.3
Spotlight 40-80W

ZEKREET SERIES

ZEKREET 4.1-4.2
Spotlight 9-20W

ZEKREET 5.1-5.2
Spotlight 20-30W

ZEKREET 6.1-6.2
Spotlight 30-50W

ZEKREET 7.1-7.3
Spotlight 60-100W

VIVID SERIES

VIVID
Spotlight 3-60W

ZEKREET SERIES (Screwless)

IP66 | IK08 | 220-240V | 5 YRS Warranty | 6-80 WATTS

Upon request

1-10V | DALI | RGB | RGBW | DMX

PHYSICAL	
Body	Aluminum
Finish	Powder coating
OPTICAL	
Diffuser	Tempered Glass
Light Emission	Symmetrical
Aiming	Fixed
CRI	>80
ELECTRICAL	
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

ZEKREET is a series of spot lights to be mounted on floor, wall, spike, tree with belt system or on a pole system. Available in various sizes, rotatable and inclinable on the vertical axis, they are designed for lighting small facades, small trees, bushes, stautes, columns and other architectural elements in general, thanks to a wide range of optics and wattages. ZEKREET comes with a series of accessories that ensure different type of mounting and beam control.

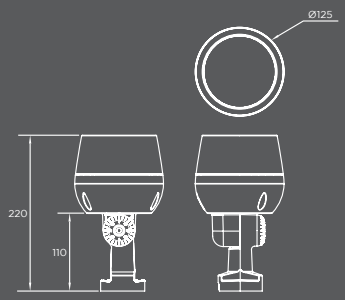
Product Features

Screwless
Anti glare grilling
Self-lock design
Hidden cable
180°+360° Adjustable

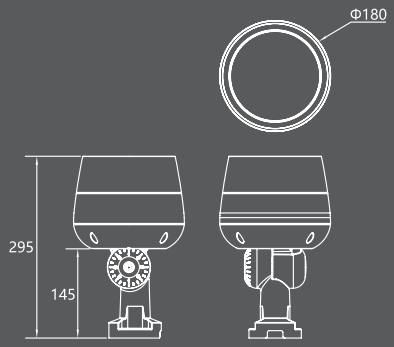
ACCESSORIES

	ZA1	ZA2	ZA3	ZA4	ZA5	ZA6	ZA7	ZA8	ZA9
ZEKREET 1	●	×	×	×	×	×	×	×	×
ZEKREET 2	●	●	●	●	●	●	●	●	●
ZEKREET 3	●	●	●	●	●	●	●	●	●

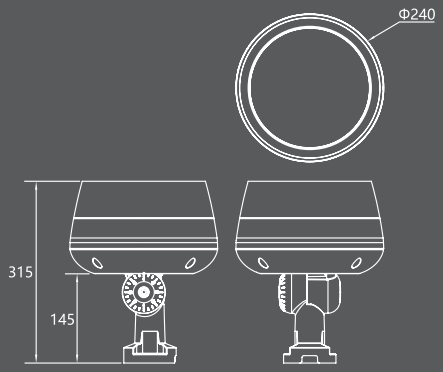
ZEKREET 1



ZEKREET 2



ZEKREET 3



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	Beam angle	CCT(K)
ZEKREET 1.1	6W	295lm	Ø125xH220	3 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.2	8W	430/550lm	Ø125xH220	3 pcs	3.5°,5°	3000K,4000K
ZEKREET 1.3	8W	610lm	Ø125xH220	6 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.4	10W	895lm	Ø125xH220	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.5	15W	1345lm	Ø125xH220	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.6	18W	1614lm	Ø125xH220	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 2.1	11W	910lm	Ø180xH295	9 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.2	14W	1203lm	Ø180xH295	12 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.3	21W	1278lm	Ø180xH295	9 pcs	3.5°	3000K,4000K(RGB)
ZEKREET 2.4	21W	1598lm	Ø180xH295	9 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.5	21W	1815lm	Ø180xH295	18 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.6	28W	2165lm	Ø180xH295	12 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.7	30W	2476lm	Ø180xH295	9 pcs	5°	3000K,4000K(RGB)
ZEKREET 2.8	42W	3283lm	Ø180xH295	18 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 3.1	40W	2510lm	Ø240xH315	18 pcs	3.5°	3000K,4000K(RGB)
ZEKREET 3.2	60W	4370lm	Ø240xH315	18 pcs	5°	3000K,4000K(RGB)
ZEKREET 3.3	60W	4558lm	Ø240xH315	24 pcs	15°,25°,40°,60°	3000K,4000K(RGBW)
ZEKREET 3.4	72W	5429lm	Ø240xH315	24 pcs	15°,25°,40°,60°	3000K,4000K(RGBW)
ZEKREET 3.5	80W	6516lm	Ø240xH315	24 pcs	15°,25°,40°,60°	3000K,4000K(RGBW)

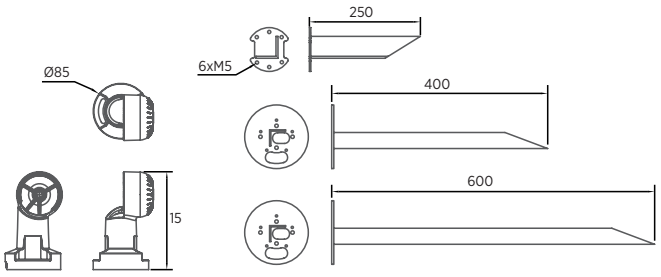
ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

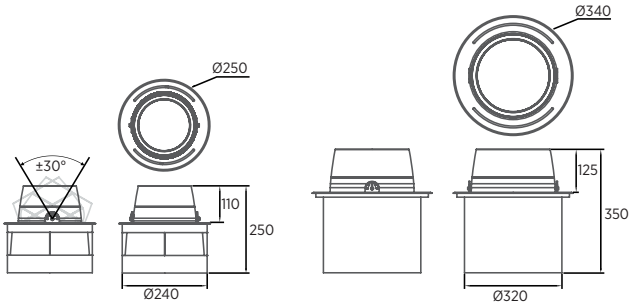
SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
ZEKREET	1.1 1.2 1.3 1.4 1.5 1.6 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 3.1 3.2 3.3 3.4 3.5	30 3000K 40 4000K RGB RGBW	0.3 3.5° 05 5° 07 7° 15 15° 25 25° 40 40° 60 60°	1 ON-OFF 2 1-10V 3 DALI 4 DMX/RDM

This image is for application purposes only.

ZA1 - BASE|SPIKE

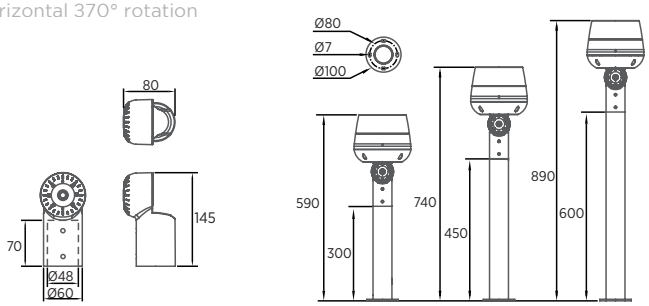


ZA2 - EMBEDDED BOX



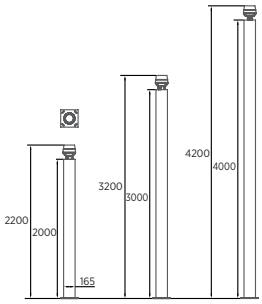
High strength PE anticorrosive embedded cylinder
304 stainless steel cover
5mm high strength tempered glass
Vertical 330° rotation
Horizontal 370° rotation

ZA3 - TUBE



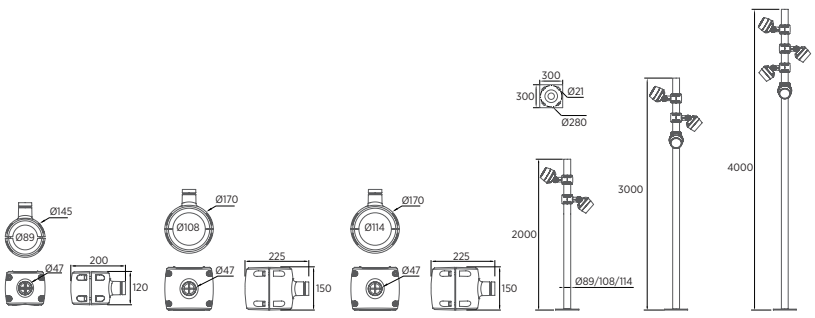
Top Light source is die cast aluminum
Pole is stainless steel laser engraving (design available on request)

ZA4 - POLE

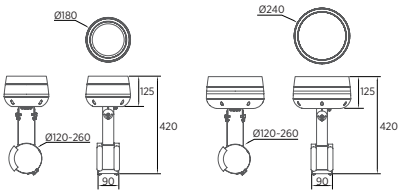


Top Light source is die cast aluminum
Pole is stainless steel laser engraving (design available on request)

ZA5 - HOLDER

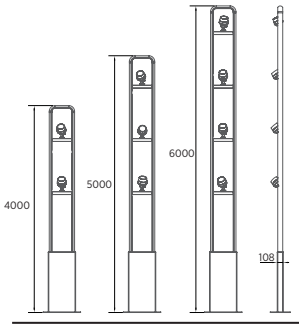


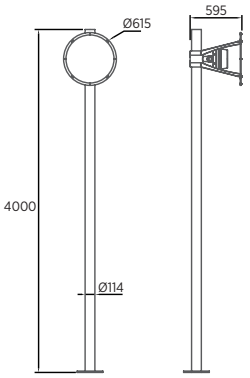
ZA6 - FLEXIBLE SPRING



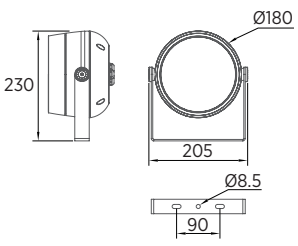
Flexible stainless steel spring
Can be held in the tree trunk without damaging the growth of the tree.
Easy installation

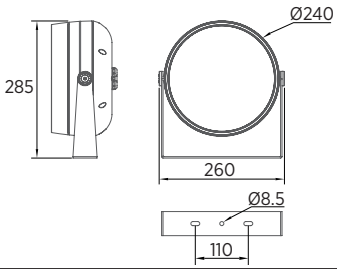
ZA7 - MULTIFUNCTIONAL





ZA8 - AREA LIGHT





ZA9 - FLOOD LIGHT

ZEKREET SERIES

IP66 | IK08 | 220-240V | 5 YRS Warranty | 9-100 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum
Finish	Powder Coated
OPTICAL	
Diffuser	Tempered Glass
Light Emission	Symmetrical
Aiming	Fixed
CRI	>80
ELECTRICAL	
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

ZEKREET is a series of spot lights to be mounted on floor, wall, spike, tree with belt system or on a pole system. Available in various sizes, rotatable and inclinable on the vertical axis, they are designed for lighting small facades, small trees, bushes, stautes, columns and other architectural elements in general, thanks to a wide range of optics and wattages. ZEKREET comes with a series of accessories that ensure different type of mounting and beam control.

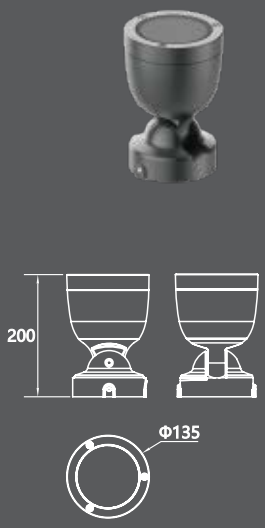
Product Features

Anti glare grilling
Self-lock design
Hidden cable
180°+360° Adjustable

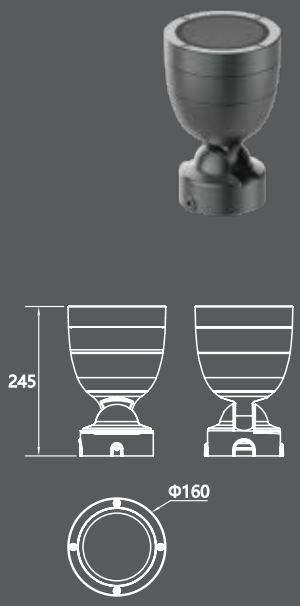
ACCESSORIES

	ZB1	ZB2	ZB3	ZB4	ZB5	ZB6	ZB7	ZB8	ZB9	ZB10	ZB11	ZB12	ZB13	ZB14
ZEKREET 1	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ZEKREET 2	●	●	●	×	●	●	●	●	●	●	●	●	●	●
ZEKREET 3	●	●	●	●	●	●	●	●	●	●	●	●	●	●
ZEKREET 4	●	×	●	×	●	●	●	●	●	●	●	●	●	●

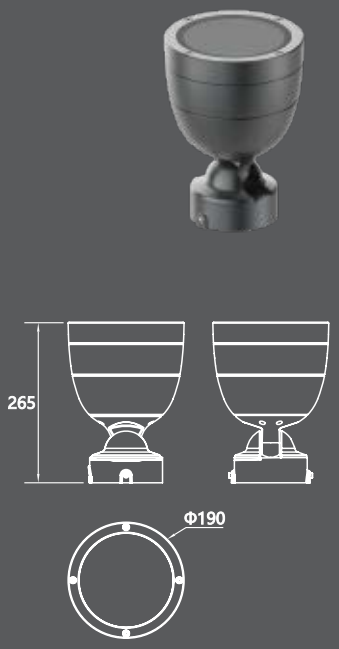
ZEKREET 1



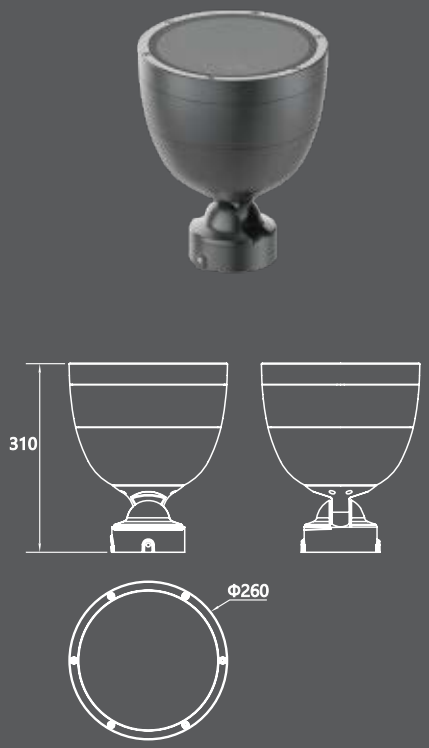
ZEKREET 2



ZEKREET 3



ZEKREET 4



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	Beam angle	CCT(K)
ZEKREET 1.1	9W	927lm	Ø135xH200	3 pcs	3°,5°	3000K,4000K
ZEKREET 1.2	9W	1137lm	Ø135xH200	3 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.3	20W	1925lm	Ø135xH200	6 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 2.1	20W	1743lm	Ø160xH245	6 pcs	3°,5°	3000K,4000K
ZEKREET 2.2	20W	2099lm	Ø160xH245	6 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 2.3	30W	3100lm	Ø160xH245	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 3.1	30W	2633lm	Ø190xH265	9 pcs	3°,5°	3000K,4000K
ZEKREET 3.2	50W	4803lm	Ø190xH265	12 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 4.1	60W	5036lm	Ø260xH310	18 pcs	3°,5°	3000K,4000K
ZEKREET 4.2	80W	7992lm	Ø260xH310	24 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 4.3	100W	10847lm	Ø260xH310	36 pcs	7°,15°,25°,40°,60°	3000K,4000K

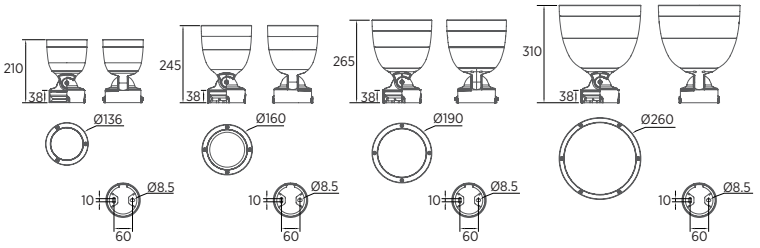
ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
ZEKREET	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2 4.1 4.2 4.3	30 3000K 40 4000K	Refer to above table	1 ON-OFF 2 1-10V 3 DALI

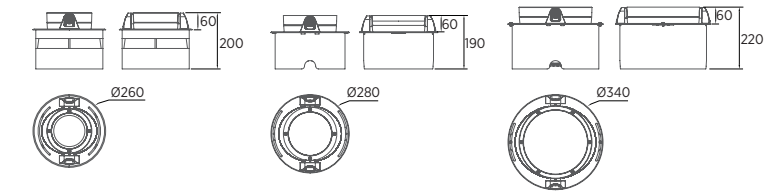
ACCESSORIES

ZB1-GROUND



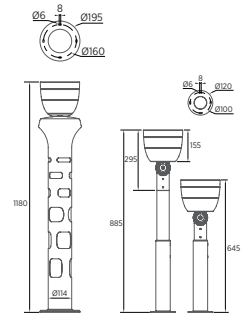
Low position
Built-in junction

ZB2-HALF BURIED



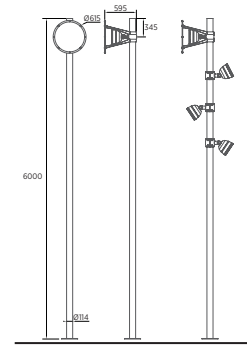
0-20mm height adjustable
Shooting angle lockable
SS cover with 5mm tempered galss

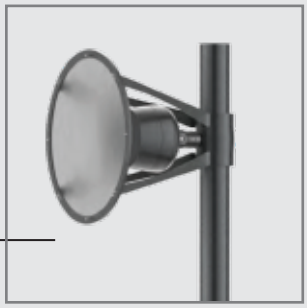
ZB3-TUBE



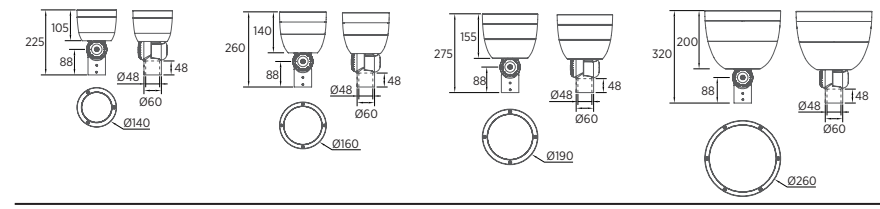
Top Light source is die cast aluminum
Pole is stainless steel laser engraving (design available on request)

ZB4-AREA LIGHT



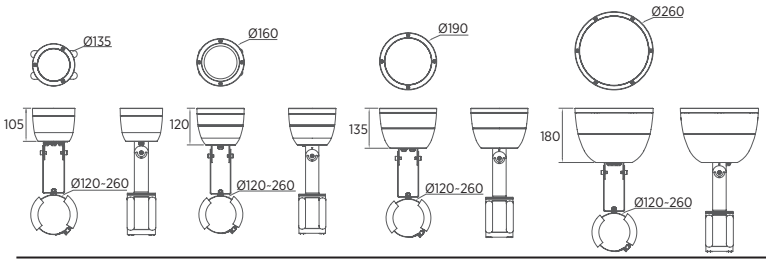


ZB5-HOLDER



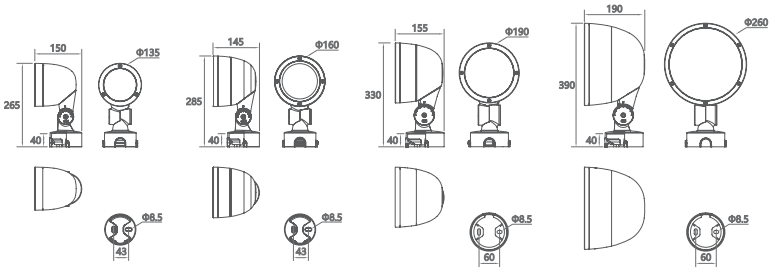
ACCESSORIES

ZB6-FLEXIBLE SPRING

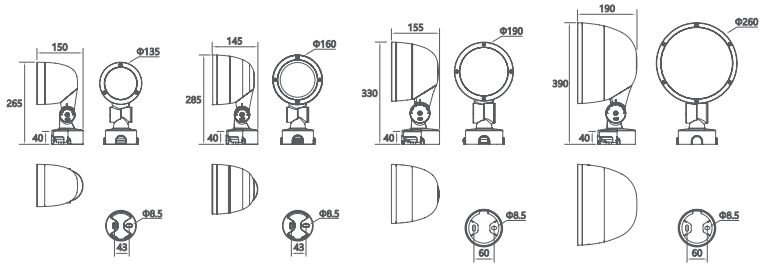


Flexible stainless steel spring
Can be held in the tree trunk without damaging the growth of the tree.
Easy installation

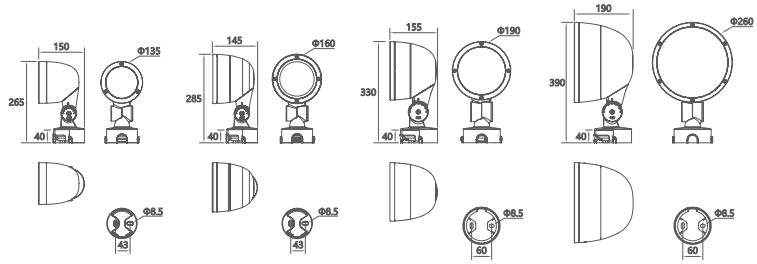
ZB7-COLUMN PROJECTOR



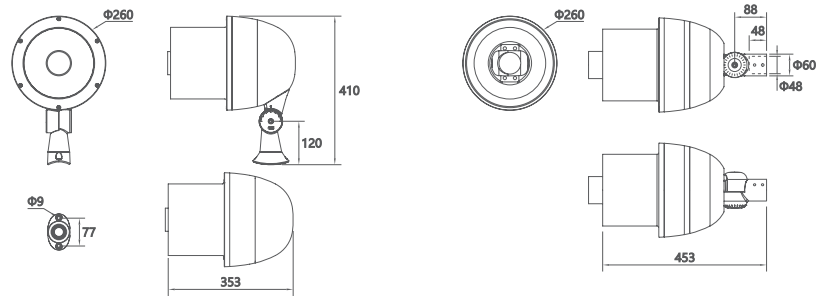
ZB8-WASHER PROJECTOR



ZB9- ARCH LIGHTING



ZB10-SHADOW PROJECTOR



VIVID SPOTLIGHT SERIES

IP66 | IK08 | 220-240V | 5 YRS Warranty | 3-60 WATTS | +/- 90° | 360°

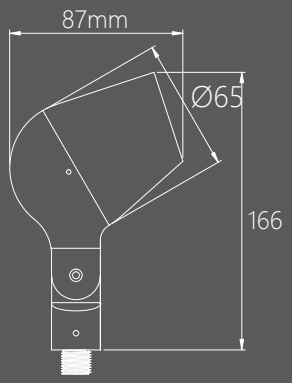
Upon request

0-10V | DALI | DMX | RGBW

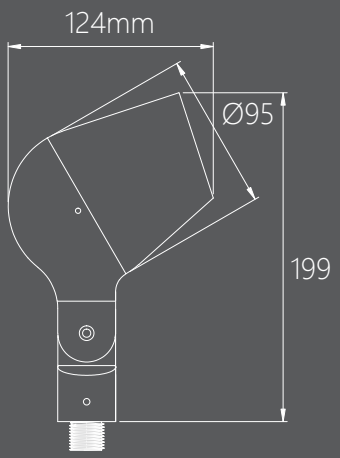
PHYSICAL	
Body	High corrosion resistance die-cast copper-free
	aluminum body
Finish	Powder coated with phosphocromating pre-finish
	Textured grey, Anthracite grey, Matt black, Bronze
Screws	Stainless steel
Gasket	Silicone rubber
OPTICAL	
Diffuser	Tempered Glass
Beam angle	18°,24°,36°,60°,40x70°
Aiming	Rotatable with accessories
CCT	2700K/3000K/4000K/5000K/RGBW
CRI	>80
SDCM	McAdam step 3
ELECTRICAL	
Light source	LED
Efficacy	90 lm/W
Driver	Integrated LED driver | 220-240V | 50/60Hz
Power cable	0.5 mt. neoprene power cable included
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

VIVID SPOTLIGHT SERIES features a robust die-cast copper-free aluminum body renowned for its high corrosion resistance, complemented by a durable powder coating with phosphocromating pre-finish. Stainless steel screws ensure secure assembly, while the transformer operates efficient-ly with an electronic power supply at 220/240V 50/60Hz, built directly into the unit. A silicone rubber gasket provides reliable sealing, and tempered glass ensures strength and safety. The fixture's design allows for full rotation of 360° horizontally and +90° vertically, offering versatile positioning options.

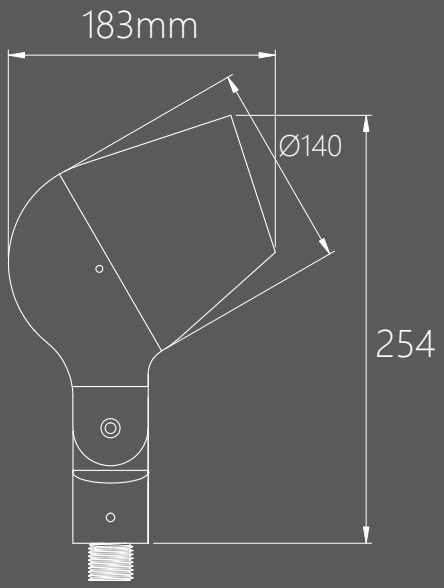
VIVID 1



VIVID 2



VIVID 3



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	CCT(K)	Control
VIVID 1.1	3W	270lm	Ø65xH166	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 1.2	6W	540lm	Ø65xH166	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 1.3	8W	720lm	Ø65xH166	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 2.1	10W	900lm	Ø95xH199	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 2.2	12W	396lm	Ø95xH199	SMD 3 pcs	RGBW	Integrated DMX decoder(24Vdc)
VIVID 2.3	15W	1350lm	Ø95xH199	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 2.4	20W	1800lm	Ø95xH199	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 3.1	30W	2700lm	Ø140xH254	COB 1 pcs	Single	Integrated ON-OFF driver and DALI/Dimming driver
VIVID 3.2	40W	3600lm	Ø140xH254	COB 1 pcs	Single	Integrated ON-OFF driver and DALI/Dimming driver
VIVID 3.3	60W	5400lm	Ø140xH254	COB 1 pcs	Single	Integrated ON-OFF driver, Remote DALI/Dimming driver(36Vdc)
VIVID 3.4	24W	792lm	Ø140xH254	SMD 3 pcs	RGBW	Integrated DMX decoder(24Vdc)
VIVID 3.5	36W	1188lm	Ø140xH254	SMD 3 pcs	RGBW	Integrated DMX decoder(24Vdc)
VIVID 3.6	10W	900lm	Ø140xH254	COB 1 pcs	Single	Integrated DALI/Dimming driver
VIVID 3.7	15W	1350lm	Ø140xH254	COB 1 pcs	Single	Integrated DALI/Dimming driver
VIVID 3.8	20W	1800lm	Ø140xH254	COB 1 pcs	Single	Integrated DALI/Dimming driver

*The lumen output may vary depending on the beam angle, and the use of anti-glare accessory.

ORDERING CODE

SERIES NAME - PRODUCT RANGE - FINISH - CCT - OPTICS - CONTROL - ACCESSPROES

VIVID

1.1
1.2
2.1
2.2
2.3
2.4
3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8

G Grey
AG Anthracite
MB Matt black
B Bronze

27 2700K
30 3000K
40 4000K
50 5000K
RGBW

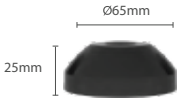
Refer to above table

1 ON-OFF
2 0-10V
3 DALI

HG Honeycomb grill
JB Junction box
WM Wall mounted
SB Surface mounted box
SP Spike
TM Tree mounted
PM1 Pole mounted 1
PM2 Pole mounted 2
SL Sign light

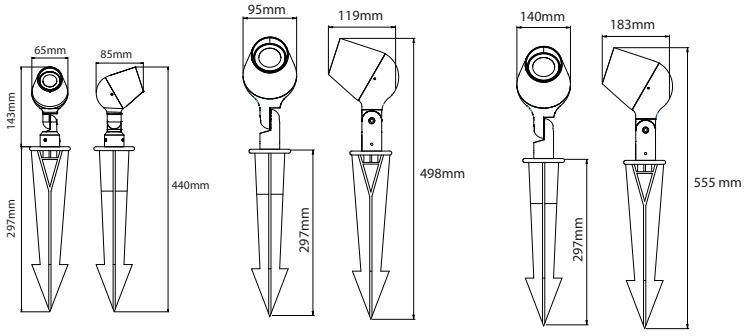
ACCESSORIES

A1 - BASE FOR VIVID 1

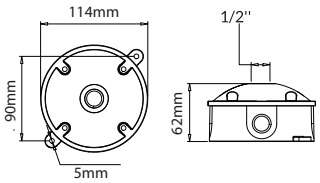


SSB Surface Base Mount
Material: Die-cast aluminum

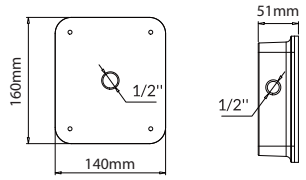
A2 - SPIKE



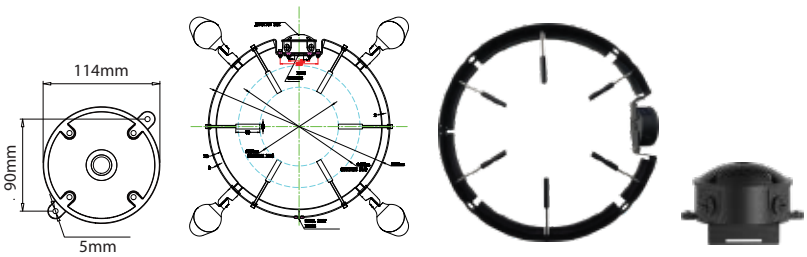
A3 - JUNCTION BOX



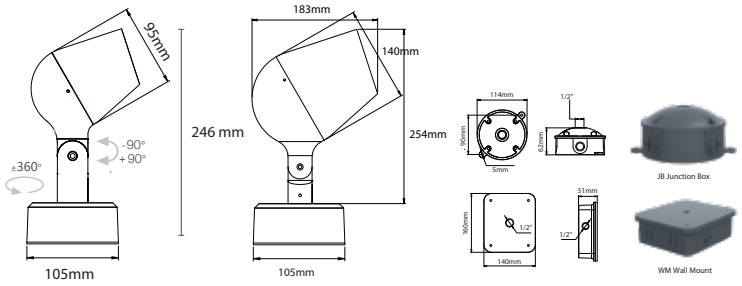
A4 - WALL MOUNT



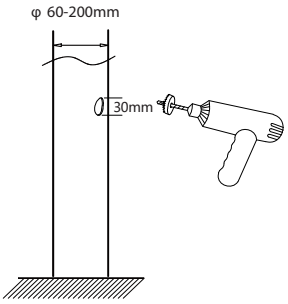
A5 - TREE MOUNT



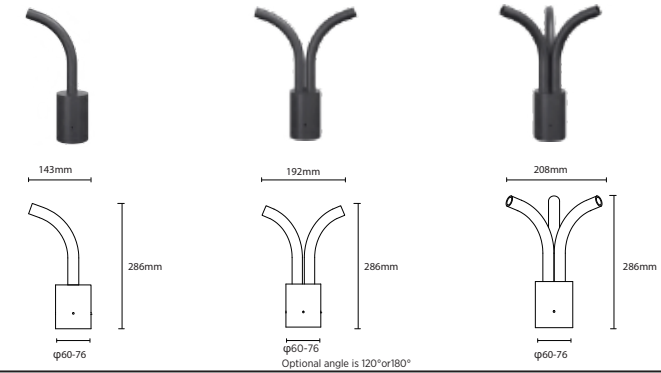
A6 - BASE FOR VIVID 2/3



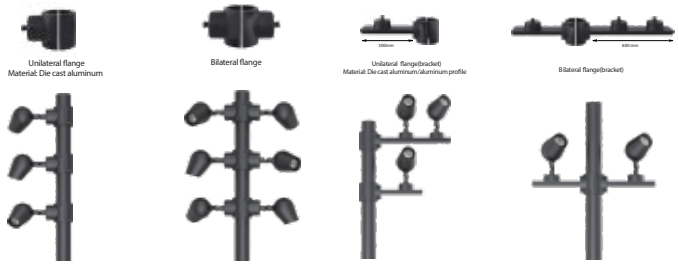
A7 - POLE MOUNTED for VIVID 2/3

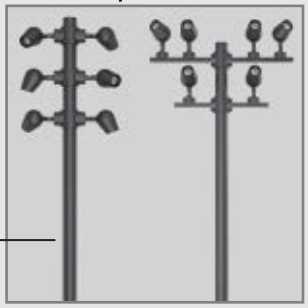


A8 - POLE MOUNTED TYPE 2 for VIVID 2/3

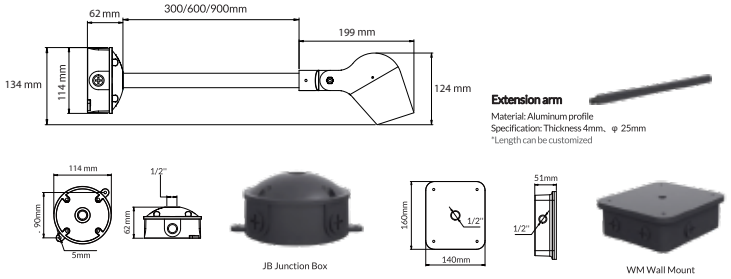


A9 - POLE MOUNTED TYPE 3 for VIVID 2/3





A10 - SIGN LIGHT



SAQR STREET LIGHTING

Light up the way

High efficacy • Innovative • Durable

BEYOND the name ...

SAQR means Falcon in English. The falcon is Qatar's national bird, which is highly appreciated and loved in Arabic countries.
The Falcon is related to heritage and culture, and it represents courage and dignity. In Qatar, there are 6 different kinds of falcons; the Amur falcon, Sooty falcon, Lanner falcon, Saqr falcon, Peregrine falcon, and the Barbary falcon. The falcon is a very important bird in Qatar as it had been used as a hunting tool because of its sharp eyesight, and is associated with being noble and wealthy. It is a popular bird but has to be cared for appropriately and undergo intensive training. Falconry is an integral part of the heritage and culture of Qatar with falconers forming a very special bond with their falcons.
In 2012, a hunting competition was founded; Al Galayel.

AREAS OF APPLICATION

URBAN & RESIDENTIAL STREETS
RAILWAYS & METRO STATIONS
BIKES & PEDESTRIAN AREAS
ROADS & MOTOR WAYS
PARKING AREAS
HIGHWAYS
BRIDGES

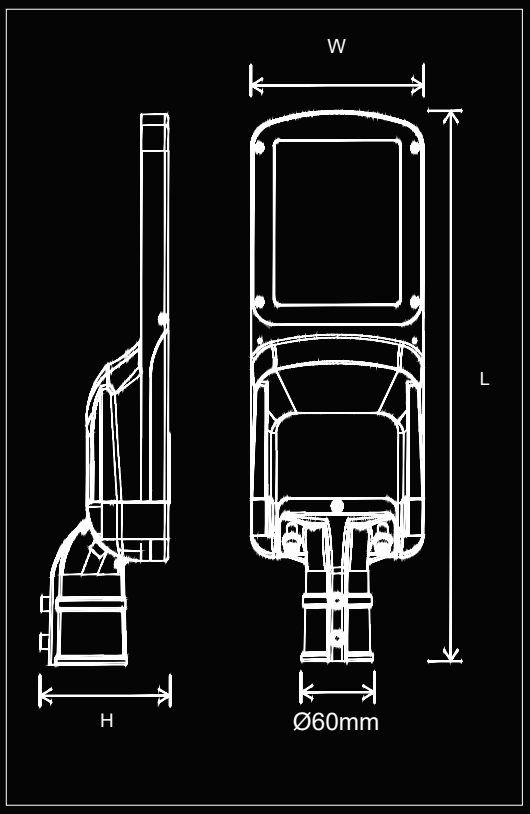
Products Benefits & Features

- Superior efficacy, up to 155 lm/W.
- 70% energy saving, short ROI period.
- Up to 100,000 hrs @ L70, low maintenance cost.
- World-class, approbated quality components.
- Tool-less opening of driver box, ease of maintenance.
- High-grade aluminum housing with stainless steel screws marine grade to ensure high quality and reliable operation.
- Support horizontal and vertical mounted, suitable for different light poles.
- Excellent outlook, robust and durable design.
- Lifetime of more than 100,000 hours.
- Easy and fast installation.
- Wide temperature operating range.
- IK10, IP66.
- Smart city simplified integration options.
- Wide choice of optics.
- 95% of the material used are recyclable materials.
- 5 years warranty.

Dimensions

SAQR MINI

Wattage: 20,40,60W
Dimensions: L610xW190xH143mm
Weight: 4.7kg



SAQR MIDI

Wattage: 80,100,120W
Dimensions: L660xW240xH143mm
Weight: 5.8kg

SAQR MAXI

Wattage: 150,180,200,240W
Dimensions: L762xW290xH143mm
Weight: 8.1kg

IP66 | IK10 | 5 YRS Warranty | 1-10V | 220-240V

Product Datasheet

Product Range

	SAQR MINI 1.1	SAQR MINI 1.2	SAQR MINI 1.3
Nominal Wattage (W)	20	40	60
Efficiency (lm/W)	155lm/W	150lm/W	150lm/W
Lumen Output (lm)	3100	6000	9000

	SAQR MIDI 1.1	SAQR MIDI 1.2	SAQR MIDI 1.3
Nominal Wattage (W)	80	100	120
Efficiency (lm/W)	150lm/W	155 lm/W	155 lm/W
Lumen Output (lm)	12000	15500	18600

	SAQR MAXI 1.1	SAQR MAXI 1.2	SAQR MAXI 1.3	SAQR MAXI 1.4
Nominal Wattage (W)	150	180	200	240
Efficiency (lm/W)	150lm/W	150lm/W	150lm/W	150lm/W
Lumen Output (lm)	22500	27000	30000	36000

*Values are subject to ±5% tolerance.

Electrical Data

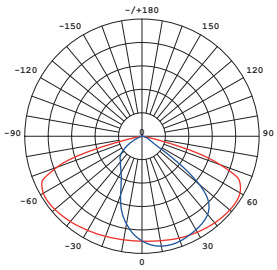
Nominal Wattage (W)	220-240VAC | 50/60Hz
LED	Lumileds
Driver	Inventronics Osram (Default) / Other brands (available on request)
Power Factor (PF)	>0.95
THD	<15
Typical Leakage current	<5 mA
Surge protection (including LED indicator)	10KV (Default) / 20KV (available on request)
Optics	SET201,SET202,SET303,SET304,SET305
Standard Deviation of Color Matching	3 SDCM / 5 SDCM
CRI	Ra> 70 (Default) / Ra>80 (available on request)
CCT (K)	3000K,4000K,5000K,5700K

General Data

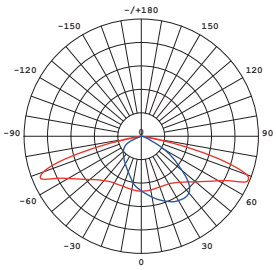
Body Material	High Pressure Die-cast Aluminum powder coated
Housing Color	Gray (Default) / Other colors (available on request)
Cover Material	Clear tempered glass
Lens Material	UV-resistant Polycarbonate
Working Ambient Temperature	-40°C ~ +50°C, 10% ~ 95%RH
Lifespan L70 at 25°	>100,000 h
Mounting Type	Side entry or Vertical pole mounted 60mm / Pole reducer 76/60 (available on request)
Dimmable	1-10V Dimming (Default) / Timer dimming (available on request)
Protection Class	Class I (Default) / Class II (available on request)
Sealing	Gaskets
Screws	Stainless steel 316 marine grade
IP rating	IP66
IK rating	IK10
Warranty	5 years
Compliance testing	CB, LM79, LM80, LM82, LM84, TM-21, TM-28, THD, ISTMT, Corrosion test, 3-axis vibration test, Photobiological safety test, IP66, IK10
Standards	RoHs, IECEE, IEC, EER

Product Datasheet

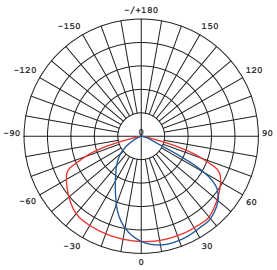
Distributions



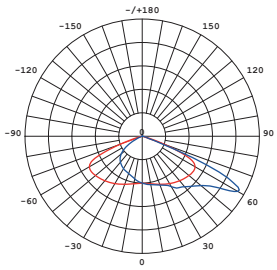
SET201



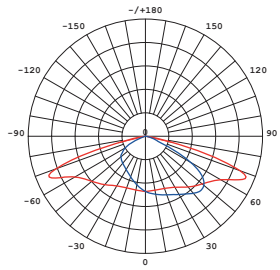
SET202



SET303



SET304



SET305

Optional accessories

Photocell

Ph

Shorting Cap

ShC

NEMA Socket (3/5/7 pin)

NS

Motion Sensor

MS

Smart Controller

SC

Knife Switch

KS

Pole Reducer

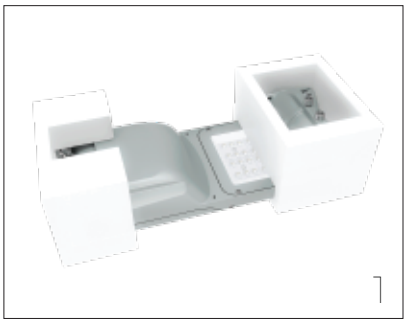
PR

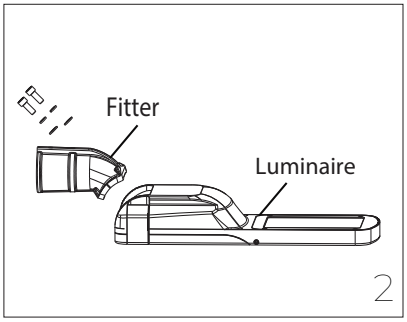
ORDERING CODE

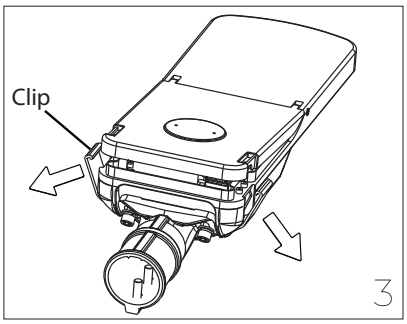
SERIES NAME - PRODUCT RANGE - COLOR - SURGE PRT. - CRI - CCT - PRT. CLASS - OPTICS - ACCESSORIES

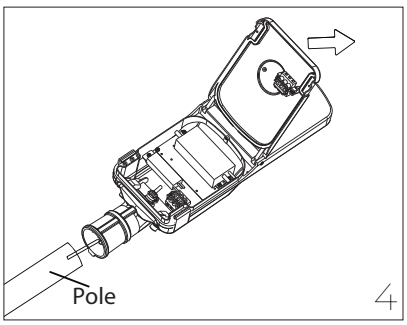
SERIES NAME	PRODUCT RANGE	COLOR	SURGE PRT.	CRI	CCT	PRT. CLASS	OPTICS	ACCESSORIES
SAQR	MINI 1.1	G Gray	1 10KV	7 Ra>70	30 3000K	I Class I	1 SET201	Ph PHOTOCELL
	MINI 1.2	B Black	2 20KV	8 Ra>80	40 4000K	II Class II	2 SET202	ShC SHORTING CAP
	MINI 1.3				50 5000K		3 SET303	NS NEMA SOCKET
	MIDI 1.1				57 5700K		4 SET304	MS MOTION SENSOR
	MIDI 1.2						5 SET305	SC SMART CONTROLLER
	MIDI 1.3							KS KNIFE SWITCH
	MAXI 1.1							PR POLE REDUCER
	MAXI 1.2							
	MAXI 1.3							
	MAXI 1.4							

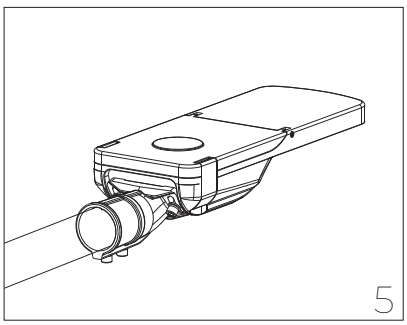
Installation Manual











Installation & connection instructions

• STEP 1: Open the package and check the product.
In case of any damage, contact us.

• STEP 2: Fasten the fitter onto street light with screws provided and adjust the fitter in the desired tilt angle.

• STEP 3: Open the clips and Insert the pole and external power cord into the luminaire. Tighten the M16 connector.

• STEP 4: Connect the cable to Knife switch or terminal block, make sure to connect the cable correctly.
Brown-Live, Blue- Neutral, Yellow/Green-Ground.
Fix the luminaire and pole by allen wrench.

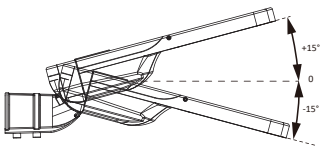
• STEP 5: Close the cover and clips.
Switch the voltage on and check to see that the street light works properly.

Recommended torque: 17Nm ± 1Nm

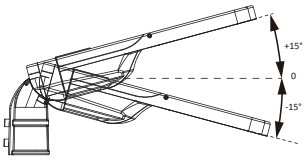
Caution

• Installation and maintenance must be performed by professionals only.
• Please ensure the pole is strong enough and the screws are tightened.
• The ground wire must be securely connected.
• Please make sure the LED fixture is working with correct input voltage.
• Cut off the power before maintenance.
• Do not use chemicals or corrosive cleaner to clean the fixture.
• If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by a qualified person in order to avoid a hazard.
• The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
• Torque setting in newton meters to be applied to any bolts which fixes the luminaire to its support.

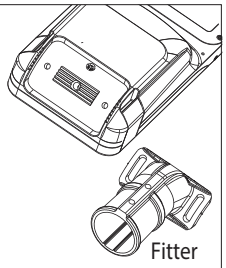
Adjustable tilt angle: ±0-5-10-15°



Horizontal Installation



Vertical Installation



PHOTON FLOOD LIGHT

High efficacy • Innovative • Durable • Dark Sky • Low-glare

AREAS OF APPLICATION

RECREATIONAL SPORTS
CONTAINER TERMINAL
OUTDOOR STADIUM
RAILWAY STATION
INTERSECTION
RACE COURSE
AIRPORT
PARKING

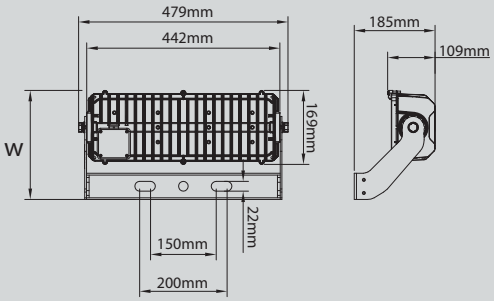
Products Benefits & Features

- Modular design 400W/480W/600W/800W/960W/1200W/1500W/1800W.
- No backlight, no up-light and no spill light.
- Professional and unique optics options could effectively control glare and ensure the good uniformity.
- Adjustable bracket design obtains the best uniformity.
- Excellent anti-corrosion performance.
- Provided with 20KV surge protection devices.
- Excellent outlook, robust and durable design.
- Lifetime of more than 100,000 hours.
- Easy and fast installation.
- Wide temperature operating range.
- IK10, IP66
- Wide choice of optics.
- 95% of the material used are recyclable materials.
- 5 years warranty.

Dimensions

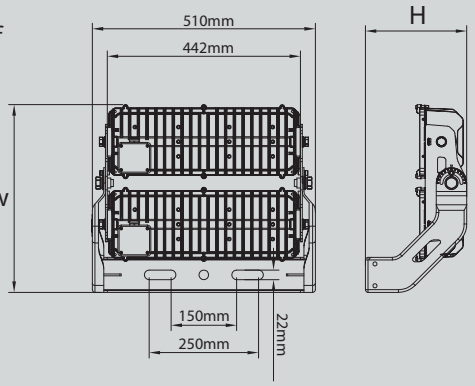
PHOTON MINI

Wattage	Dimensions	Weight of the fixture	Weight of ON-OFF 0-10V driver	Weight of DALI driver
400W	L479xW250xH185mm	6.3kg	5.5kg	5.5kg
480W	L479xW266xH185mm	7.0kg	5.5kg	5.5kg
600W	L479xW283xH185mm	7.8kg	5.9kg	5.9kg



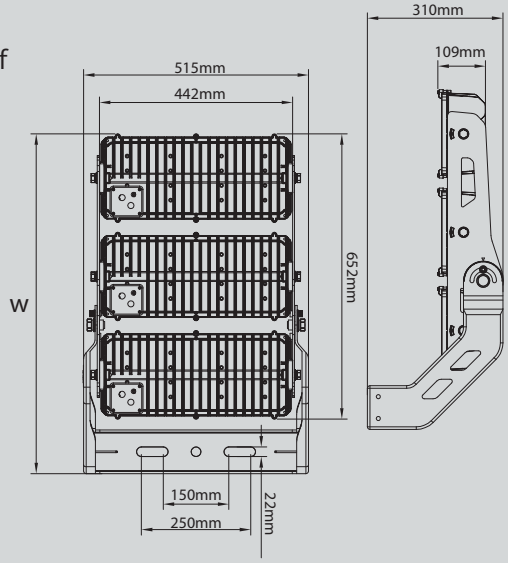
PHOTON MIDI

Wattage	Dimensions	Weight of the fixture	Weight of ON-OFF 0-10V driver	Weight of DALI driver
800W	L510xW429xH232mm	13.7kg	10.8kg	9.7kg
960W	L510xW527xH298mm	16.4kg	10.8kg	9.7kg
1200W	L510xW560xH298mm	18.8kg	6.6kg	12.1kg



PHOTON MAXI

Wattage	Dimensions	Weight of the fixture	Weight of ON-OFF 0-10V driver	Weight of DALI driver
1500W	L515xW777xH310mm	24.8kg	12.5kg	7kg
1800W	L515xW833xH310mm	28kg	13.4kg	7kg



IP66 | IK10 | 5 YRS Warranty | 0-10V | 220-240V | DALI | DMX

Product Datasheet

Using Samsung 5050 LED chip

Product Range

	PHOTON MINI 1.1	PHOTON MINI 1.2	PHOTON MINI 1.3
Nominal Wattage (W)	400W	480W	600W
Efficiency (lm/W)	150lm/W	150lm/W	150lm/W
Lumen Output (lm)	60000lm	72000lm	90000lm

	PHOTON MIDI 1.1	PHOTON MIDI 1.2	PHOTON MIDI 1.3
Nominal Wattage (W)	800W	960W	1200W
Efficiency (lm/W)	150lm/W	150lm/W	150lm/W
Lumen Output (lm)	120000lm	144000lm	180000lm

	PHOTON MAXI 1.1	PHOTON MAXI 1.2
Nominal Wattage (W)	1500W	1800W
Efficiency (lm/W)	150lm/W	150lm/W
Lumen Output (lm)	225000lm	270000lm

*Values are subject to ±5% tolerance.

Electrical Data

Input Voltage (Integrated driver)	DALI Version: 220-240VAC (400W to 1200W) | 50/60Hz 220-277VAC (1500W and 1800W) Dimming Version: 220-240VAC (400W to 960W) | 50/60Hz 220-277VAC (1200W to 1800W)
LED	Samsung 5050
Driver	Inventronics Osram (Default) / Other brands (available on request)
Power Factor (PF)	>0.95
Surge protection (including LED indicator)	20KV
CRI	Ra>70 (Default) / Ra>80, Ra>90 (available on request)
CCT (K)	2200K,2700K,3000K,3500K,4000K,5000K,5700K,6500K

*Driver is available integrated or remoted.

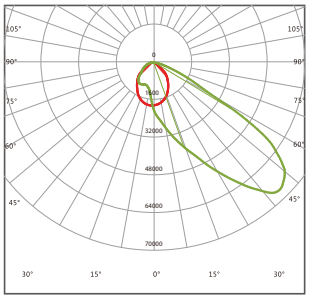
General Data

Body Material	Aluminum alloy
Housing Color	Black (RAL9017)
Cover Material	Tempered Glass
Lens Material	Polycarbonate
Working Ambient Temperature	-30°C ~ +50°C
Lifespan L70 at 25°	>100,000 h
Mounting Type	Bracket mounting
Driver Control	ON-OFF / 0-10V Dimming (Default) / DALI, DMX (available on request)
Protection Class	Class I
IP rating	IP66
IK rating	IK10
Warranty	5 years

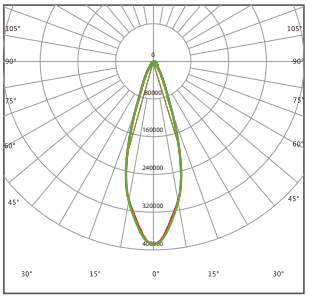
Product Datasheet

Using Samsung 5050 LED chip

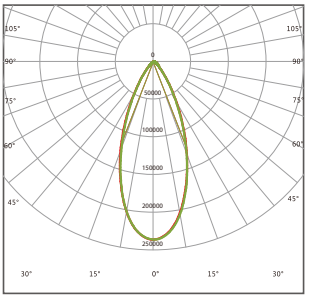
Distributions



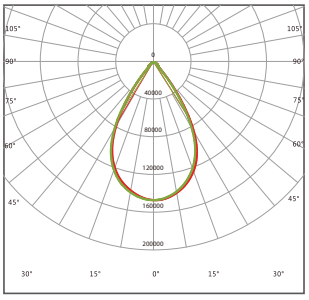
PE1
Type III very short
(35x100°, Tilt 40°)



PE2
30°



PE3
40°



PE4
60°

Optional accessories

Precision Aiming Device

PD

Visor (For PE2,PE3,PE4)

V1

Visor (For PE1)

V2

ORDERING CODE

SERIES NAME - PRODUCT RANGE - LED CHIP - COLOR - CRI - CCT - OPTICS - CONTROL - ACCESSORIES

PHOTON	MINI 1.1	Samsung 5050	B Black	7 Ra>70	22 2200K	PE1 TYPE III	1 ON-OFF	PD PRECISION AIMING DEVICE
	MINI 1.2			8 Ra>80	27 2700K	PE2 30°	2 0-10V	V1 VISOR 1
	MINI 1.3			9 Ra>90	30 3000K	PE3 45°	3 DALI	V2 VISOR 2
	MIDI 1.1				35 3500K	PE4 60°	4 DMX/RDM	
	MIDI 1.2				40 4000K			
	MIDI 1.3				50 5000K			
	MAXI 1.1				57 5700K			
	MAXI 1.2				65 6500K			

IP66 | IK10 | 5 YRS Warranty | 0-10V | 220-240V | DALI | DMX

Product Datasheet

Using Osram 3737 LED chip

Product Range

	PHOTON MINI 1.1	PHOTON MINI 1.2	PHOTON MINI 1.3
Nominal Wattage (W)	400W	480W	600W
Efficiency (lm/W)	140lm/W	140lm/W	140lm/W
Lumen Output (lm)	56,000lm	67,200lm	84,000lm

	PHOTON MIDI 1.1	PHOTON MIDI 1.2	PHOTON MIDI 1.3
Nominal Wattage (W)	800W	960W	1200W
Efficiency (lm/W)	140lm/W	140lm/W	140lm/W
Lumen Output (lm)	112,000lm	134,400lm	168,000lm

	PHOTON MAXI 1.1	PHOTON MAXI 1.2
Nominal Wattage (W)	1500W	1800W
Efficiency (lm/W)	140lm/W	140lm/W
Lumen Output (lm)	210,000lm	252,000lm

*Values are subject to ±5% tolerance.

Electrical Data

Input Voltage (Integrated driver)	DALI Version: 220-240VAC (400W to 1200W) | 50/60Hz 220-277VAC (1500W to 1800W)	Dimming Version: 220-240VAC (400W to 960W) | 50/60Hz 220-277VAC (1200W to 1800W)
LED	Osram 3737	
Driver	Inventronics Osram (Default) / Other brands (available on request)	
Power Factor (PF)	>0.95	
Surge protection (including LED indicator)	20KV	
CRI	Ra>70 (Default) / Ra>80, Ra>90 (available on request)	
CCT (K)	3000K,3500K,4000K,4500K,5000K,5700K,6500K)	

*Driver is available integrated or remoted.

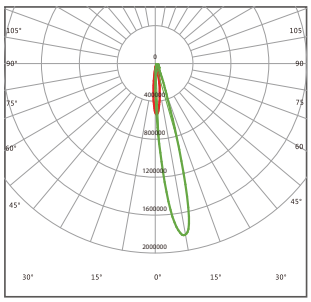
General Data

Body Material	Aluminum alloy
Housing Color	Black (RAL9017)
Cover Material	Tempered Glass
Lens Material	Polycarbonate
Working Ambient Temperature	-30°C ~ +50°C
Lifespan L70 at 25°	>100,000 h
Mounting Type	Bracket mounting
Driver Control	ON-OFF / 0-10V Dimming (Default) / DALI, DMX (available on request)
Protection Class	Class I
IP rating	IP66
IK rating	IK10
Warranty	5 years

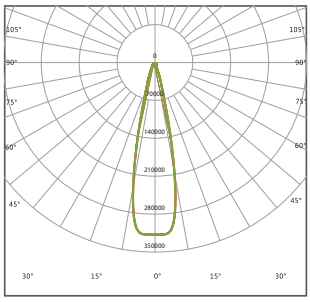
Product Datasheet

Using Osram 3737 LED chip

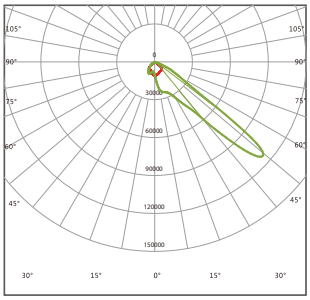
Distributions



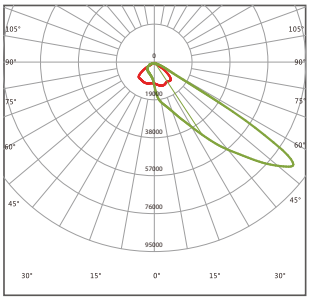
PE5
15°



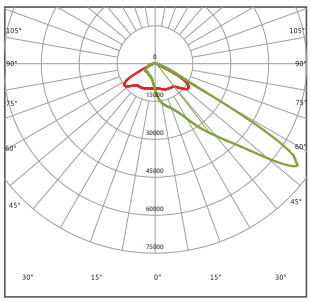
PE6
25°



PE7
60°



PE8
70°



PE9
75°

Optional accessories

Precision Aiming Device

PD

Visor (For PE6,PE7)

V1

Visor (For PE5,PE8,PE9)

V2

ORDERING CODE

SERIES NAME - PRODUCT RANGE - LED CHIP - COLOR - CRI - CCT - OPTICS - CONTROL - ACCESSORIES

SERIES NAME	PRODUCT RANGE	LED CHIP	COLOR	CRI	CCT	OPTICS	CONTROL	ACCESSORIES
PHOTON	MINI 1.1	Osram 3737	B Black	7 Ra>70	30 3000K	PE5 15°	1 ON-OFF	PD PRECISION AIMING DEVICE
	MINI 1.2			8 Ra>80	35 3500K	PE6 25°	2 0-10V	V1 VISOR 1
	MINI 1.3			9 Ra>90	40 4000K	PE7 60°	3 DALI	V2 VISOR 2
	MIDI 1.1				45 4500K	PE8 70°	4 DMX/RDM	
	MIDI 1.2				50 5000K	PE9 75°		
	MIDI 1.3				57 5700K			
	MAXI 1.1				65 6500K			
	MAXI 1.2							

Al Bayt Stadium

FLOOD LIGHT SERIES

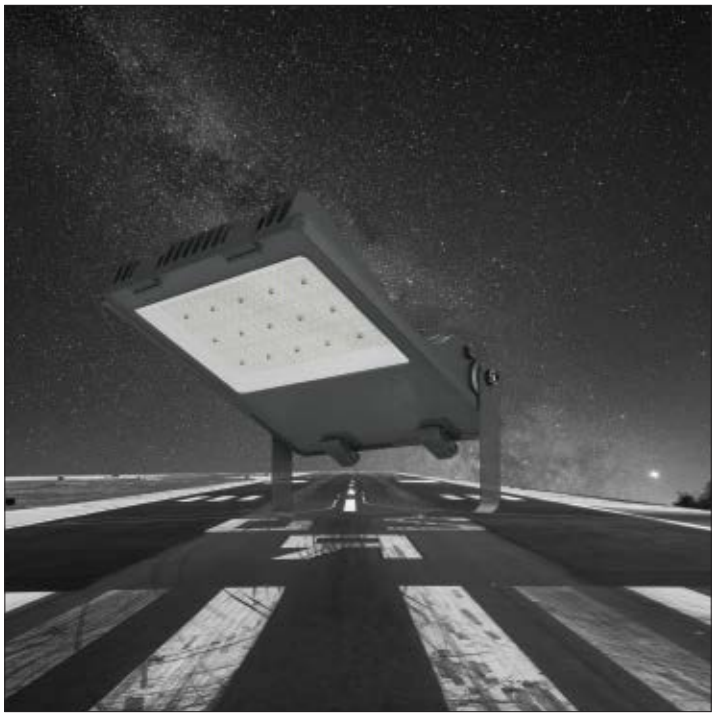
THAQAB SERIES

THAQAB
Floodlight 30-400W

REY SERIES

REY
Floodlight 100-300W

THAQAB SERIES



IP66 | IK08 | 220-240V | 5 YRS Warranty | 30 - 400 WATTS

Upon request

1 - 10V | DALI

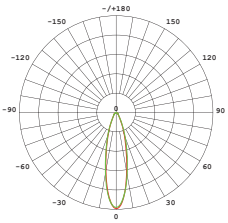
PHYSICAL	
Body	High pressure die-cast aluminum
Finish	Grey (Default) /Black (available on request)
OPTICAL	
Optic	UV resistant PC
Light Distribution	25°, 60°, 90°, 120° or Asymmetrical
Diffuser	Tempered glass
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K,4000K,5000K,5700K
Driver	Electronic included | 50-60Hz 220-240VAC 1-10V dimming or DALI on request
Protection	Class I/II
Ambient Temp.	-40°C ~ 50C°
Ambient Humidity	10% ~ 90%

THAQAB series of projectors to be mounted on pole system, wall, floor. Available in several sizes, rotatable and inclinable on the vertical axis, they are designed for the lighting of parking lots, cycle paths, squares, façades, green areas, perimeter areas and other architectural elements in general thanks to a wide range of optics and wattages. It comes with a series of accessories that ensure different type of mounting.

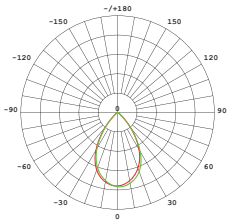
Product Benefits:

– Up to 100, 000hrs @ L70, low maintenance cost.
– World class, approbated quality components (LEDs /Driver /etc.)
– Equipped with vent to avoid internal fogging and frosting.
– Wide choice of optics to suit more applications (asymmetrical and symmetrical)
– Buckle design makes it very easy for further maintenance.

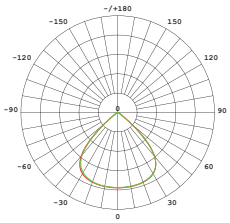
AVAILABLE OPTICS



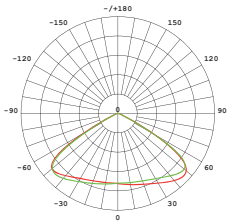
SET101
25°



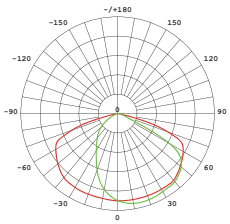
SET102
60°



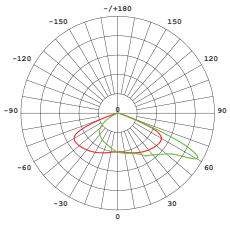
SET103
90°



SET104
120°

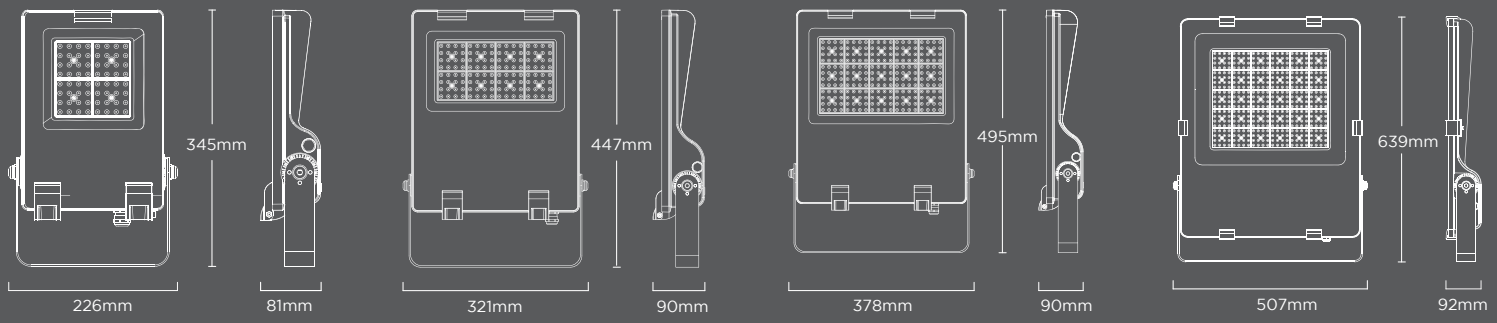


SET105
Assymetrical



SET106
Assymetrical

THAQAB MINI **THAQAB MIDI** **THAQAB MAXI** **THAQAB XL**



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)
THAQAB MINI 1	30W	4650lm	L226xW81xH345mm
THAQAB MINI 2	40W	6000lm	L226xW81xH345mm
THAQAB MINI 3	50W	7000lm	L226xW81xH345mm
THAQAB MIDI 1	60W	9900lm	L321xW90xH447mm
THAQAB MIDI 2	80W	12800m	L321xW90xH447mm
THAQAB MIDI 3	100W	14500lm	L321xW90xH447mm
THAQAB MIDI 4	120W	17400lm	L321xW90xH447mm
THAQAB MAXI 1	150W	24000lm	L378xW90xH495mm
THAQAB MAXI 2	180W	27900lm	L378xW90xH495mm
THAQAB MAXI 3	200W	29000lm	L378xW90xH495mm
THAQAB MAXI 4	240W	33600lm	L378xW90xH495mm
THAQAB XL 1	320W	51200lm	L378xW90xH495mm
THAQAB XL 2	400W	60000lm	L378xW90xH495mm

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL - ACCESSORIES

THAQAB

MINI 1
MINI 2
MINI 3
MIDI 1
MIDI 2
MIDI 3
MIDI 4
MAXI 1
MAXI 2
MAXI 3
MAXI 4
XL 1
XL 2

30 3000K
40 4000K
50 5000K
57 5700K

SET101 25°
SET102 60°
SET103 90°
SET104 120°
SET105 Assymetrical
SET106 Assymetrical

1 ON-OFF
2 1-10V
3 DALI

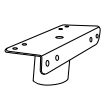
NA NO ACCESSORIES
PH PHOTOCELL
PS PIR SENSOR
SM SMART CONTROLLER
PA POLE ADAPTER
CB CLight source BRACKET
MA MOUNTING ARM
ES EXTRA 10KV

ACCESSORIES

PHOTOCELL

PIR SENSOR

SMART CONTROLLER


POLE ADAPTER

CLight source BRACKET

MOUNTING ARM

EXTRA 10KV SPD

REY FLOODLIGHT

IP66 | IK08 | 220-240V | 5 YRS Warranty | 20 - 300 WATTS

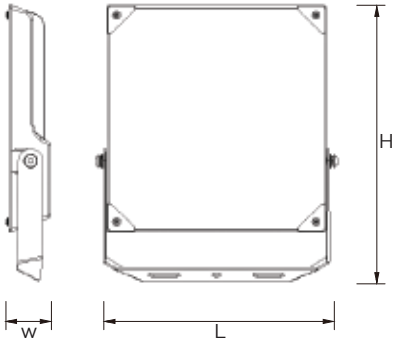
Upon request

1-10V | DALI

PHYSICAL	
Body	Die cast aluminum
Finish	Silver grey / Black
OPTICAL	
Aiming	30°,60°,90°,50x100°,30x90°,110°
Diffuser	Tempered glass
CRI	>80
ELECTRICAL	
Light source	LED
CCT	3000K, 4000K, 5000K
Driver	220-240Vac
Ambient Temp.	-30°C ~ +50°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

REY FLOODLIGHT is a series of projectors to be mounted on pole system, wall, floor. Available in several sizes, tiltable on the vertical axis, they are designed for the lighting of parking lots, cycle paths, squares, façades, green areas, perimeter areas and other architectural elements in general thanks to a wide range of optics and wattages.

Range	Power (W)	Lumen (lm)	Dimensions (mm)
REY 1	20W	3200lm	L202xW56xH277mm
REY 2	30W	4800lm	L202xW56xH277mm
REY 3	50W	8000lm	L202xW56xH277mm
REY 4	80W	12800lm	L270xW54xH342mm
REY 5	100W	16000lm	L270xW54xH342mm
REY 6	120W	19200lm	L270xW54xH342mm
REY 7	150W	24000lm	L367xW60xH390mm
REY 8	200W	32000lm	L367xW60xH390mm
REY 9	240W	38400lm	L392xW78xH462mm
REY 10	300W	48000lm	L392xW78xH462mm



ORDERING CODE

SERIES NAME - PRODUCT RANGE - FINISH - CCT - OPTICS - CONTROL

SERIES NAME	PRODUCT RANGE	FINISH	CCT	OPTICS	CONTROL
REY	1 2 3 4 5 6 7 8 9 10	G GREY B BLACK	30 3000K 40 4000K 50 5000K	30 30° 60 60° 90 90° 50100 50x100° 3090 30x90° 110 110°	1 ON-OFF 2 1-10V 3 DALI

BOLLARDS/POLES SERIES

BOLLARDS SERIES

BEND BOLLARD (Mono)
10/20W

BEND BOLLARD (Dual)
20/40W

EDGE OPEN BOLLARD
20W

EDGE CLOSED BOLLARD
20W

PATTERN BOLLARD
10/20W

QUADRANT BOLLARD
10/20W

ORBIT BOLLARD
10/20W

SWEEP BOLLARD
14/24W

EQUILIBRIUM BOLLARD
15/25W

GLOBO BOLLARD
14/25W

SIGNAL BOLLARD
15/25W

PRISM BOLLARD
10W

BEND BOLLARD (Mono)

IP66 | IK09 | 220-240V | 5 YRS Warranty | 10/20 WATTS

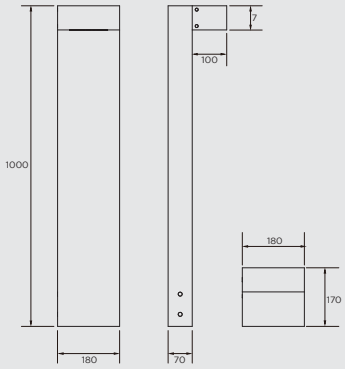
Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L180xW170xH1000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

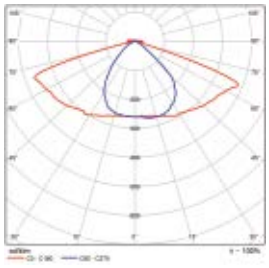
BEND BOLLARD series is an L-shaped bollard design that represents a functional and aesthetically pleasing solution in urban architecture and infrastructure. This bollard has front and side asymmetrical light distribution, with an extruded aluminum body.

-Simple design that blends in with different types of architecture applications such as pathways, landscape areas, and other public spaces.
-Single or double head options.

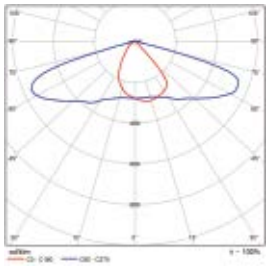


Range	Power(W)	Front light emission lumen(lm)	Side light emission lumen(lm)
BEND 1	10W	1112.5lm	980lm
BEND 2	20W	2225lm	1960lm

AVAILABLE OPTICS



Front light emission



Side light emission

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

BEND BOLLARD	1	30 3000K	F FRONT	1 ON-OFF
MONO	2	40 4000K	S SIDE	2 1-10V
		50 5000K		3 DALI

BEND BOLLARD (Dual)

IP66 | IK09 | 220-240V | 5 YRS Warranty | 20/40 WATTS

Upon request

1-10V | DALI

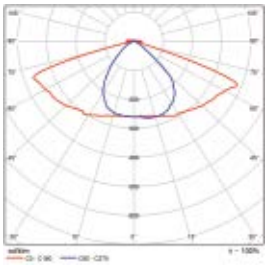
PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L180xW270xH1000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

BEND BOLLARD series is an L-shaped bollard design that represents a functional and aesthetically pleasing solution in urban architecture and infrastructure. This bollard has front and side asymmetrical light distribution, with an extruded aluminum body.

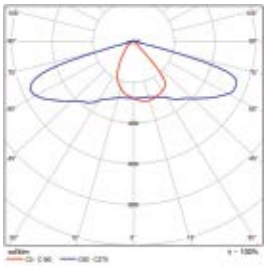
-Simple design that blends in with different types of architecture applications such as pathways, landscape areas, and other public spaces.
-Single or double head options.

Range	Power(W)	Front light emission lumen(lm)	Side light emission lumen(lm)
BEND DUAL 1	20W	2x1112.5lm	2x980lm
BEND DUAL 2	40W	2x2225lm	2x1960lm

AVAILABLE OPTICS



Front light emission



Side light emission

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

BEND BOLLARD DUAL	1 2	30 3000K 40 4000K 50 5000K	F FRONT S SIDE	1 ON-OFF 2 1-10V 3 DALI

EDGE OPEN BOLLARD

IP67 | IK08 | 220-240V | 5 YRS Warranty | 20 WATTS

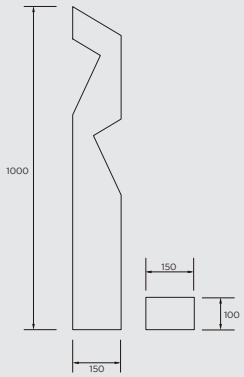
Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L100xW150xH1000mm
OPTICAL	
Diffuser	Clear/Opal Polycarbonate
Light Emission	Indirect Light Distribution
ELECTRICAL	
Light source	LED
Power	2x10W
Light source lumen	2x1200lm
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

EDGE OPEN series is a distinctive bollard design that provides vibrant illumination for pathways, landscape zones, and various public areas.

-Reduced glare through a concealed light source.
-Enhanced linear forward light distribution option with complete cut-off and minimized stray light.
-Simple installation and maintenance.
-Contemporary and refined design that adds a distinctive touch to outdoor applications.



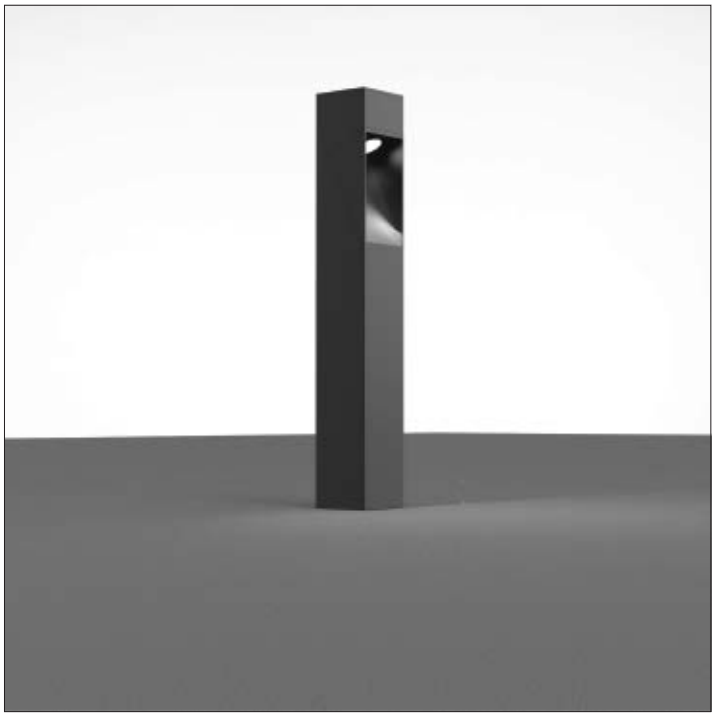
ORDERING CODE

SERIES NAME - CCT - CONTROL

EDGE OPEN BOLLARD	30 3000K 40 4000K 50 5000K	1 ON-OFF 2 1-10V 3 DALI

Theater Park

EDGE CLOSED BOLLARD



IP67 | IK08 | 220-240V | 5 YRS Warranty | 20 WATTS

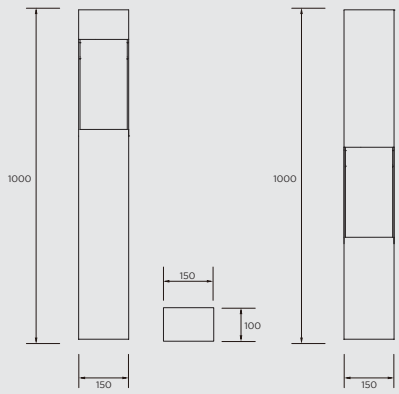
Upon request

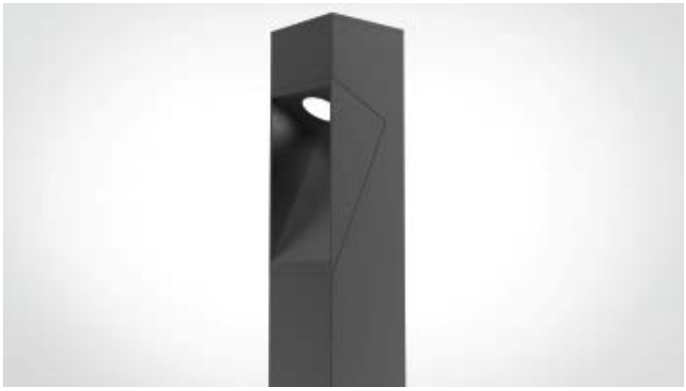
1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L100xW150xH1000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light Emission	Indirect Light Distribution
ELECTRICAL	
Light source	LED
Power	2x10W
Light source lumen	2x1200lm
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

EDGE CLOSED series is a distinctive design that provi-dies vibrant illumination for pathways, landscape zones, and various public areas.

-Reduced glare through a concealed light source.
-Enhanced linear forward light distribution option with complete cut-off and minimized stray light.
-Simple installation and maintenance.
-Contemporary and refined design that adds a distinctive touch to outdoor applications.



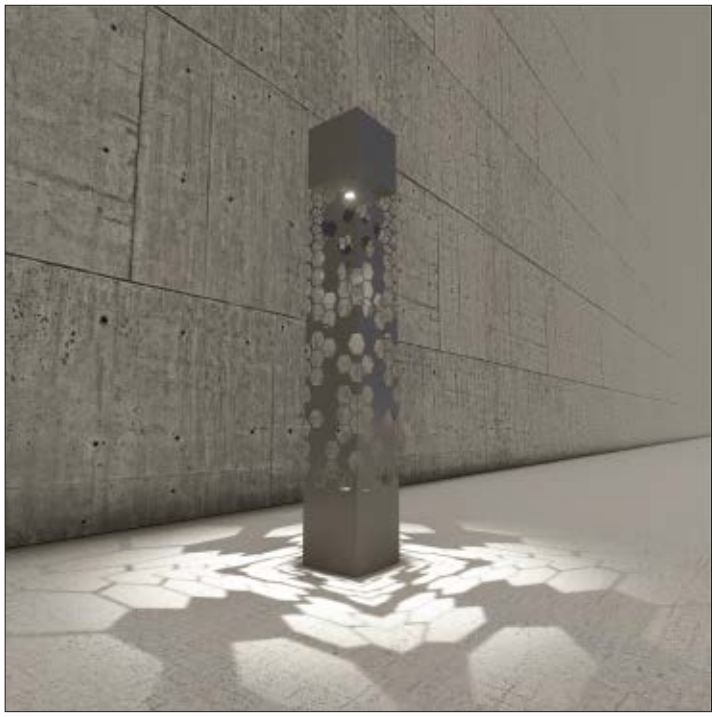


ORDERING CODE

SERIES NAME - CCT - CONTROL

EDGE CLOSED	30 3000K	1 ON-OFF
	40 4000K	2 1-10V
	50 5000K	3 DALI

PATTERN BOLLARD



IP67 | IK08 | 220-240V | 5 YRS Warranty | 10/20 WATTS

Upon request

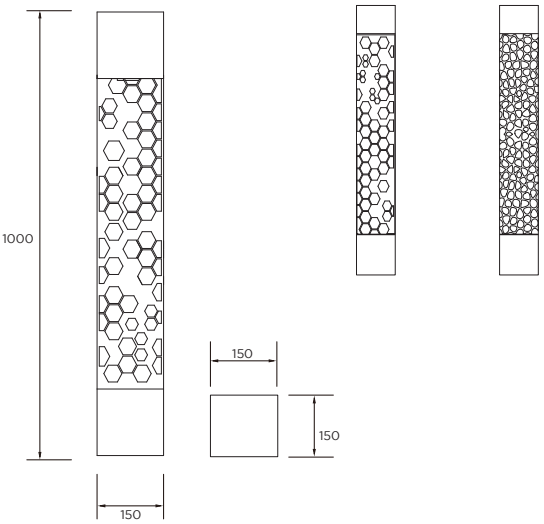
1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L150xW150xH1000mm
OPTICAL	
Diffuser	Opal Polycarbonate
Light Emission	Indirect Light Distribution
ELECTRICAL	
Light source	LED
Light source lumen	1200lm
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

PATTERN series of bollards is a special bollard with unique reflections, distinguished by its square form factor, captivating light effects, and robust construction, PATTERN bollard is a great choice for illuminating pathways, landscaped areas, and various public spaces.

-Optimized symmetrical uniform light distribution with a unique effect.
-Features a minimalistic design, allowing seamless integration with diverse architectural styles.
-Sophisticated and decorative pattern on 4 sides.
-Easy installation and maintenance.

CUSTOMIZABLE PATTERNS



ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - CONTROL

PATTERN BOLLARD	1	30 3000K	1 ON-OFF
	2	40 4000K	2 1-10V
		50 5000K	3 DALI

QUADRANT BOLLARD

IP67 | IK08 | 220-240V | 5 YRS Warranty | 10/20 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L120xW120xH1000mm
	L135xW135xH1000mm
OPTICAL	
Diffuser	Opal Polycarbonate
Light Emission	Indirect Light Distribution
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

QUADRANT BOLLARD series stands out as a dependable option for pathways, landscaped areas, and various public spaces, featuring a square frame, complementary column choices, and a four-way light distribution.

-Glare is effectively minimized through a concealed light source.

-The 4 way light distribution not only efficiently illuminates pathways and areas but also introduces a distinctive visual effect.

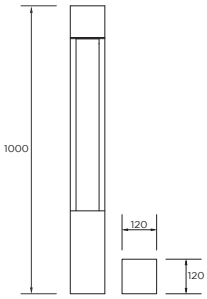
-Various height options and a coordinating column make it suitable for high-end architectural projects.

-Its minimalistic design ensures seamless integration with diverse architectural styles.

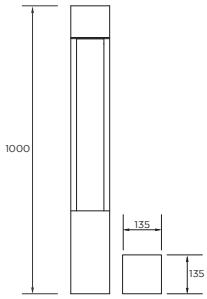
-The bollard is characterized by easy installation and maintenance.

Range	Power(W)	Lumen (lm)
QUADRANT 1	10W	1200lm
QUADRANT 2	20W	2400lm

Quadrant 1



Quadrant 2



ORDERING CODE

SERIES NAME - PRODUCT RANGE - DIMENSIONS - CCT - CONTROL

QUADRANT	1	I TYPE I	30 3000K	1 ON-OFF
BOLLARD	2	II TYPE II	40 4000K	2 1-10V
			50 5000K	3 DALI

Palm bollard.

ORBIT BOLLARD

IP67 | IK09 | 220-240V | 5 YRS Warranty | 10/20 WATTS

Upon request

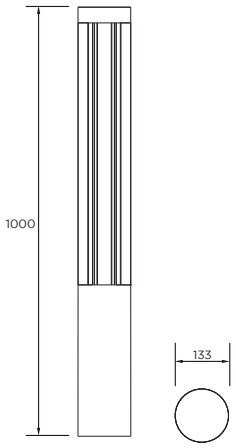
1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	Ø133xH1000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

ORBIT BOLLARD series stands out as a dependable option for pathways, landscaped areas, and various public spaces, thanks to its rounded structure, diverse column choices, and three-way light distribution.

-Reduced glare is achieved through a recessed light source.
-The three-way light distribution not only effectively illuminates pathways and areas but also introduces a distinctive visual effect.
-Various height options and a coordinating column make it suitable for high-end architectural projects.
-Its minimalistic design ensures seamless integration with diverse architectural styles.

Range	Power(W)	Lumen (lm)
ORBIT 1	10W	1200lm
ORBIT 2	20W	2400lm



ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - CONTROL

ORBIT	1	30 3000K	1 ON-OFF
	2	40 4000K	2 1-10V
		50 5000K	3 DALI

SWEEP BOLLARD

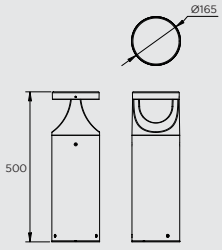
IP66 | IK09 | 220-240V | 5 YRS Warranty | 14/24 WATTS

Upon request

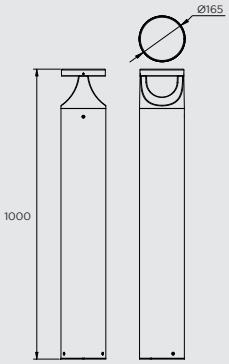
1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	Type I: Ø165xH500mm
	Type II: Ø165xH1000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-30°C ~ +50°C
Humidity	10% ~ 90%RH

SWEEP BOLLARD series is a sturdy and effective bollard light featuring an elegant design. This modern, architecturally styled fixture offers consistent and superior illumination, aiming to improve the aesthetic appeal of urban areas with its attractive visual presentation.



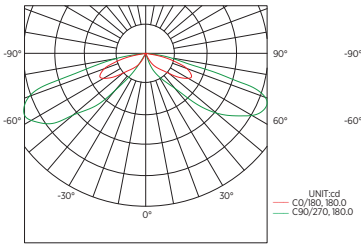
Type I



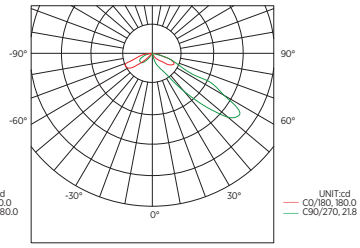
Type II

Range	Power(W)	Lumen (lm)
SWEEP 1	14W	1190lm
SWEEP 2	24W	1920lm

AVAILABLE OPTICS



TYPE V



TYPE IV

ORDERING CODE

SERIES NAME - PRODUCT RANGE - HEIGHT - CCT - OPTICS - CONTROL

SWEEP	1 2	I TYPE I II TYPE II	30 3000K 40 4000K 50 5000K	I TYPE V 2 TYPE IV	I ON-OFF 2 1-10V 3 DALI

ACCESSORIES

Round House Side Shield

EQULIBRIUM BOLLARD

IP66 | IK10 | 220-240V | 5 YRS Warranty | 15/25 WATTS

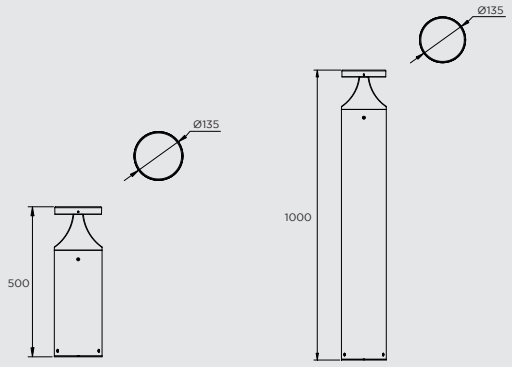
Upon request

1-10V | DALI

PHYSICAL

Body	Die-casting aluminum
Finish	Polyester Powder Coated
Dimensions	Type I: Ø135xH500mm
	Type II: Ø135xH1000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-20°C ~ + 45°C
Humidity	10% ~ 90%RH

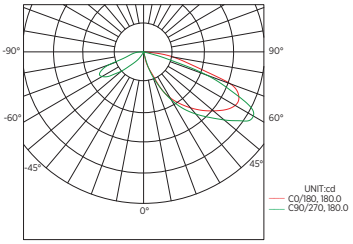
EQUILIBRIUM BOLLARD series not only showcases the exquisite art of light but also maximizes the utilization of lumens by ensuring that no front projection light is blocked. The fixture boasts a refined and polished body, exuding an air of sophistication. Additionally, the design incorporates a discreet approach with no exposed screws, contributing to its overall sleek and elegant appearance.



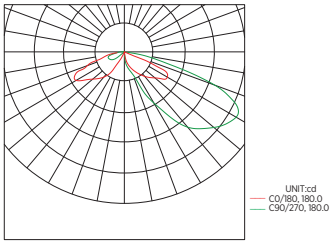
Type I Type II

Range	Power(W)	Lumen (lm)
EQUILIBRIUM 1	15W	1500lm
EQUILIBRIUM 2	25W	2500lm

AVAILABLE OPTICS



TYPE V



TYPE IV

ORDERING CODE

SERIES NAME	PRODUCT RANGE	HEIGHT	CCT	OPTICS	CONTROL
EQUILIBRIUM	1 2	I TYPE I II TYPE II	30 3000K 40 4000K 50 5000K	1 TYPE V 2 TYPE IV	1 ON-OFF 2 1-10V 3 DALI

GLOBO BOLLARD

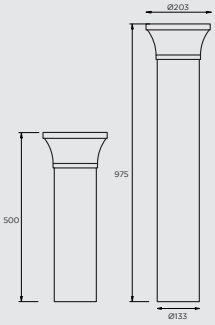
IP66 | IK10 | 220-240V | 5 YRS Warranty | 14/25 WATTS

Upon request: 1-10V | DALI

PHYSICAL	
Body	Aluminum alloy
Finish	Powder Coated
Dimensions	Type I: Ø133xH500mm
	Type II: Ø133xH975mm
OPTICAL	
Diffuser	Clear Polycarbonate (Milky PC cover available)
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-30°C ~ + 45°C
Humidity	10% ~ 90%RH

GLOBO BOLLARD series serves as an exceptional luminaire for urban settings, suitable for both new construction projects and retrofit applications. This versatile bollard light is available in heights of 0.5M and 1M.

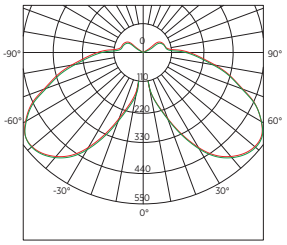
- 360° Coverage and visual comfort.
- High lumen output efficiency, up to 130lm/W.
- The housing is made of 100% aluminum alloy.
- Outdoor powder coating for anti-corrosion.
- Easy to maintain.
- Robust design with IK10 protection.



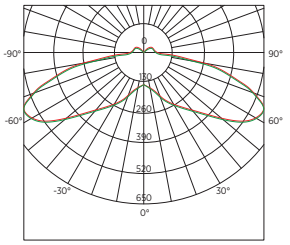
Type I Type II

Range	Power(W)	Lumen(lm) MILKY PC COVER	Lumen(lm) CLEAR OPTIC LENS
GLOBO 1	14W	1400lm	1820lm
GLOBO 2	25W	2500lm	3250lm

AVAILABLE OPTICS



MILKY PC COVER
LOW GLARE



CLEAR OPTIC
LENS

ORDERING CODE

SERIES NAME	PRODUCT RANGE	HEIGHT	CCT	OPTICS	CONTROL
GLOBO	1 2	I TYPE I II TYPE II	30 3000K 40 4000K 50 5000K	M MILKY C CLEAR	1 ON-OFF 2 1-10V 3 DALI

SIGNAL BOLLARD

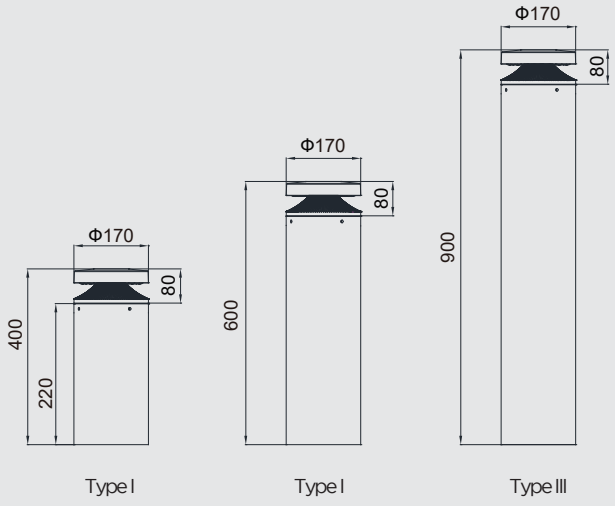
IP65 | IK09 | 220-240V | 5 YRS Warranty | 15/25 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Die-cast Aluminum
Finish	Powder Coated
Dimensions	Type I: Ø170xH400mm
	Type II: Ø170xH600mm
	Type III: Ø170xH900mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
CRI	>80
CCT	3000K-4000K-5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-20°C ~ + 50°C
Humidity	10% ~ 95%RH

SIGNAL series of bollards with pleasant aesthetics and a touch of prestige for any residential and landscape setting, with the most energy-efficient lighting technologies. Signal is a bollard for driveways, parks and pedestrian walkways etc.



Range	Power(W)	Lumen(lm)
SIGNAL 1	15W	1125lm
SIGNAL 2	25W	1625lm

ORDERING CODE

SERIES NAME	PRODUCT RANGE	HEIGHT	CCT	CONTROL
SIGNAL	1	I TYPE I	30 3000K	1 ON-OFF
	2	II TYPE II	40 4000K	2 1-10V
		III TYPE III	50 5000K	3 DALI

PRISM BOLLARD

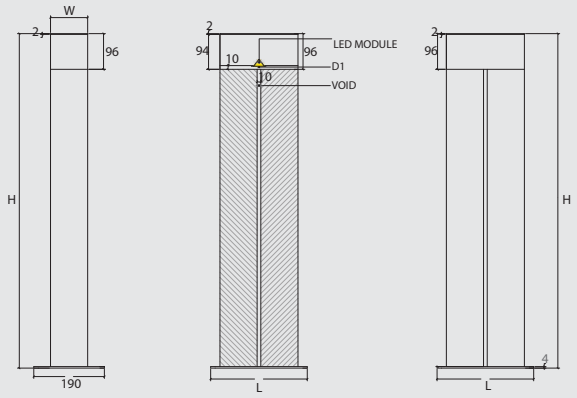
IP65 | IK09 | 220-240V | 5 YRS Warranty | 10 WATTS

Upon request: 1-10V | DALI

PHYSICAL	
Body	Steel
Finish	Corten (epoxy coated)
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	Assymetric
ELECTRICAL	
Light source	LED
Lumen output	750lm
CRI	>80
CCT	3000K, 4000K, 5000K, 5700K, 6500K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Operating Humidity	10% ~ 90%RH
Lifetime	50,000 hrs

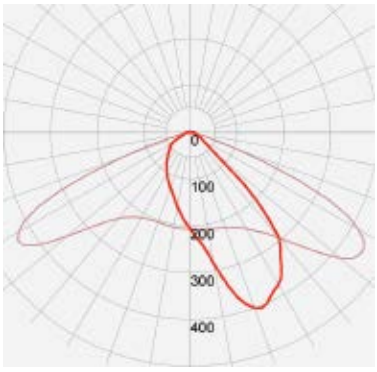
PRISM BOLLARD series of bollards with minimal design available in various heights. This bollard is unique for its design with sharp and essential lines, consists of two opposite prisms, with a void between it, giving two directions of light.

Designed to illuminate paths, parks, walkways and gardens without glaring.



Range	Lumen(lm)
PRISM MINI	L260xW100xH450
PRISM MAXI	L260xW100xH900

AVAILABLE OPTICS



ORDERING CODE

SERIES NAME	PRODUCT RANGE	CCT	CONTROL
PRISM	MINI MAXI	30 3000K 40 4000K 50 5000K 57 5700K 65 6500K	1 ON-OFF 2 1-10V 3 DALI

SOLAR
TECH

SWEEP SOLAR BOLLARD

IP66 | IK07 | SOLAR | 5 YRS Warranty | 3 WATTS

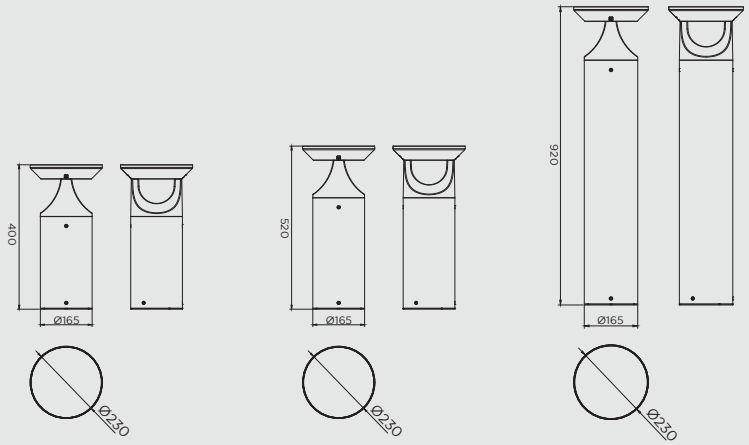
Upon request

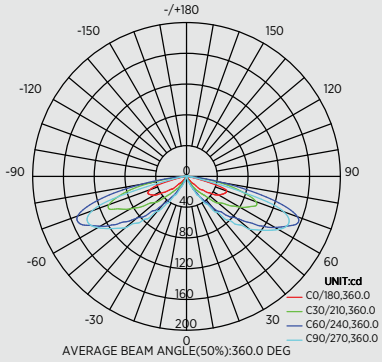
1-10V

SWEEP SOLAR bollard represents a groundbreaking LED solar bollard that has been elevated in terms of aesthetics and creativity. With an IP66 rating, a mono-crystalliine solar panel, and UV-resistant PC material, this bollard, featuring an architectural design, has gained significant popularity in various settings such as pathways, gardens, sidewalks, buildings and more.

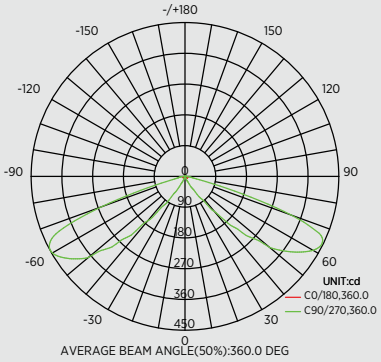
Key Features: IP66 & IK07, unique and elegant appearance, professional SET1,SET2,SET3 Lighting distribution, high efficiency mono-crystalline solar panel, long lifespan LifeP04 Battery, 8 hour charging, working 2-3 days.

PHYSICAL	
Body	Aluminum
Finish	Powder Coated -Black RAL 9017
Dimensions	Type 1: Ø230xH400mm
	Type 2: Ø230xH520mm
	Type 3: Ø230xH920mm
OPTICAL	
Diffuser	Polycarbonate
Light distribution	Asymmetric
ELECTRICAL	
Light source	LED
Power Consumption	3W
Lumen	SET1 340lm/SET2 320lm/SET3 420lm
CRI	80
CCT	4000K (3000K & 5000K Optional)
SOLAR PANEL	
Power	5W
Type	Mono-Crystalline Solar Panel
BATTERY	
Type	LifeP04 Battery
Capacity	38.4Wh
Charging Time	>8 Hours
Operating Time	Normal Mode>11 Hours
Operating Temperature	Intelligent Mode 2-3 Days
	0°C ~ +50°C
Humidity	10% ~ 90%RH
WARRANTY	
Battery	3 Years
OtherAccessories	5 Years

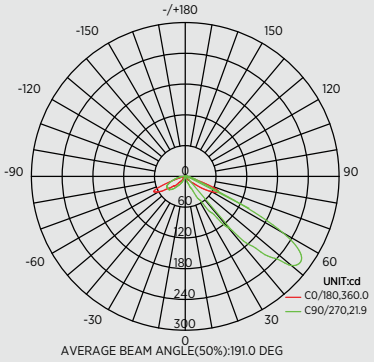




SET1



SET2



SET3

WORKING MODE

Lighting Scheme	Time 1	Time 2	Time 3	Time 4	Time 5	Energy consumption	Working hours in rainy days
1 (Factory default)	6Hx30%	0Hx100%	0Hx100%	TOTx0%	1Hx30%	7.4Wh	4-5 Days
2 (Customized lighting scheme)	6Hx30%	6Hx30%	0Hx100%	0Hx0%	0Hx100%	12.6Wh	3-4 Days
3 (Customized lighting scheme)	6Hx50%	6Hx30%	0Hx100%	0Hx0%	0Hx100%	16.8Wh	2-3 Days
4 (Customized lighting scheme)	4Hx70%	4Hx30%	4Hx30%	0Hx0%	0Hx100%	18.2Wh	1-2 Days
5 (Customized lighting scheme)	4Hx100%	2Hx50%	0Hx100%	0Hx0%	0Hx100%	17.5Wh	2-3 Days
6 (Customized lighting scheme)	2Hx50%	4Hx30%	0Hx100%	TOTx20%	1Hx30%	12.3Wh	3-4 Days
7 (Customized lighting scheme)	4Hx80%	2Hx30%	0Hx100%	TOTx0%	1Hx80%	16.1Wh	2-3 Days

*The table of rainy days is for reference only, the actual working days is subject to the local sunshine conditions.

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
SWEEP SOLAR	1 0.4m	30 3000K	1 SET1	1 ON-OFF
	2 0.5m	40 4000K	2 SET2	
	3 0.9m	50 5000K	3 SET3	

ECO SLIM SOLAR BOLLARD

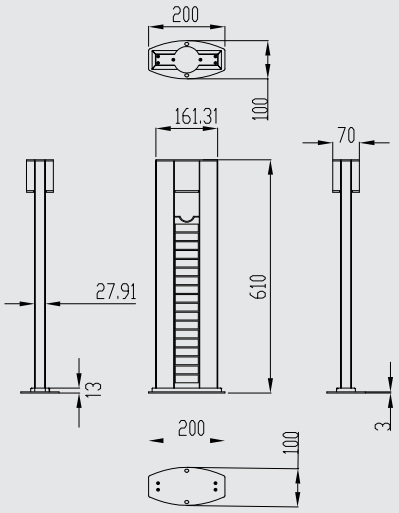
IP65 | IK07 | SOLAR | 5 YRS Warranty | 3 WATTS

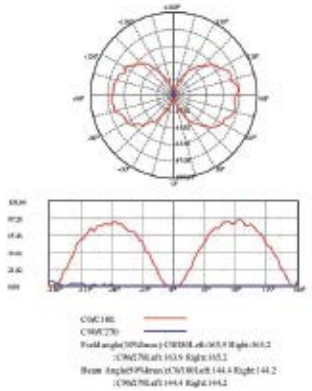
Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Alloy High Quality ABS
Finish	Powder Coated
Dimensions	L200xW100xH610mm
OPTICAL	
Diffuser	Polycarbonate
Light distribution	Asymmetric 2 ways
ELECTRICAL	
Light source	LED
Lumen	500lm
CCT	6000K or 3000K (Optional)
Li-ion Battery	5200mAh
Charging Time	6-8hrs by bright sunshine
Operating Time	3-5nights after fully charged
Operating Temperature	-25°C ~ +65°C
Humidity	10% ~ 90%RH
WARRANTY	
Battery	3 Years
Other Accessories	5 Years

ECO SLIM SOLAR bollard represents a groundbreaking LED solar bollard that has been elevated in terms of aesthetics and creativity. With an IP65 rating, and UV-resistant PC material, this bollard, featuring an architectural design, has gained significant popularity in various settings such as pathways, gardens, sidewalks, buildings and more.





ORDERING CODE

SERIES NAME - CCT - CONTROL

ECO SLIM SOLAR 30 3000K I ON-OFF
60 6000K

DHOW SOLAR SMART POLE

IP65 | IK08 | SOLAR | 5 YRS Warranty | 4x8 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Die Cast Aluminum
Finish	RAL 9023 Pearl Dark Grey
Dimensions	L525xW289xH132mm
OPTICAL	
Diffuser	5mm Thickness Safety Glass
Light Distribution	PMMA Secondary Light Distribution
Fixation	0-15° Horizontal/Vertical Pole
Beam Angle	120x50°, 150x65°, 150x60° , 140x30°, 148°
ELECTRICAL	
Lumen	7,200lm
CCT	3000K-4000K-5000K-6000K
Driver	Electronic included	50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

DHOW SOLAR SMART POLE features integrated solar tube technology to prevent dust accumulation, represents a cutting-edge fusion of renewable energy and advanced functionality. Designed to meet the demands of modern urban landscapes, this innovative pole integrates seamlessly into smart city infrastructure. Beyond its primary function of generating clean energy, it also incorporates additional features such as speaker and camera, enhancing its utility and versatility.

With its ability to harness solar power efficiently while providing surveillance and audio capabilities, it represents a great shift towards more intelligent, environmentally conscious infrastructure solutions.

ORDERING CODE

SERIES NAME - CCT - CONTROL

DHOW SOLAR SMART POLE	30 3000K 40 4000K 50 5000K 60 6000K	1 ON-OFF 2 1-10V 3 DALI

Doha Port.

POLES SERIES

QUADRANT POLE
30-60W

EDGE OPEN POLE
60-90W

PATTERN POLE
40-60W

ZEKREET MULTI POLE
6-42W

QUADRANT SLIM POLE
20-30W

LUNA POLE
30-75W

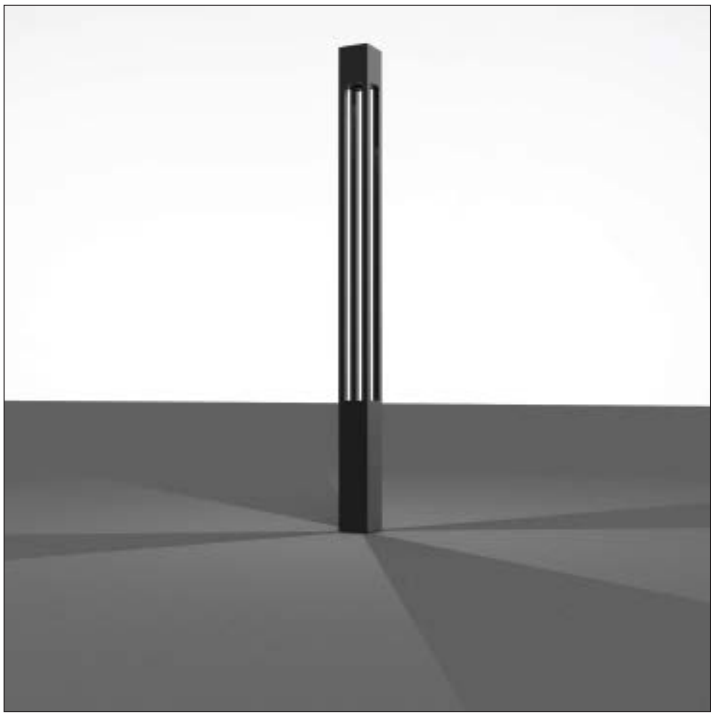
BELL POLE
20/40W

TORCH POLE
40-100W

FLAME POLE
30-50W

HALO POLE
20-100W

QUADRANT POLE



IP68 | IK09 | SOLAR | 5 YRS Warranty | 30-60 WATTS

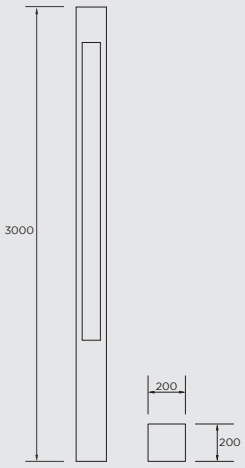
Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L200xW200xH3000mm
OPTICAL	
Diffuser	Opal Polycarbonate
Light distribution	4 ways light distribution
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K, 5700K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

QUADRANT POLE series of poles with minimal design available in various heights. Designed to illuminate paths, parks, walkways and gardens without glaring. The external screws are in stainless steel 316L.

Available in 2 meters height.



Range	Power (W)	Lumen (lm)
QUANDRANT POLE 1	30W	4950lm
QUANDRANT POLE 2	40W	6400lm
QUANDRANT POLE 3	50W	7500lm
QUANDRANT POLE 4	60W	8400lm

ORDERING CODE

SERIES NAME	PRODUCT RANGE	CCT	CONTROL
QUADRANT POLE	1 2 3 4	30 3000K 40 4000K 50 5000K 57 5700K	1 ON-OFF 2 1-10V 3 DALI

EDGE OPEN POLE

IP68 | IK09 | 220-240V | 5 YRS Warranty | 60 - 90 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L200xW100xH3000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	2 ways light distribution
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K, 5700K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

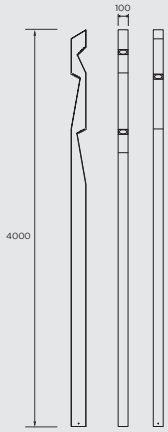
EDGE OPEN series is a distinctive bollard design that provides vibrant illumination for pathways, landscape zones, and various public areas.

-Reduced glare through a concealed light source.

-Enhanced linear forward light distribution option with complete cut-off and minimized stray light.

-Simple installation and maintenance.

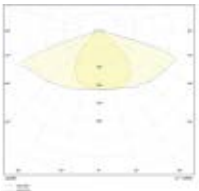
-Contemporary and refined design that adds a distinctive touch to outdoor applications.

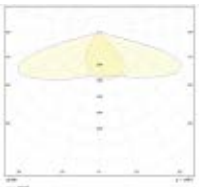


Range	Power (W)	Lumen (lm)
EDGE OPEN POLE 1	3x20W	3x2700lm
EDGE OPEN POLE 2	3x25W	3x3175lm
EDGE OPEN POLE 3	3x30W	3x3600lm

AVAILABLE OPTICS

Type II Short-1


Type II Short-2


Type II Short-3

ORDERING CODE

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
EDGE OPEN POLE	1 2 3	30 3000K 40 4000K 50 5000K 57 5700K	1 TYPE II-1 2 TYPE II-2 3 TYPE II-3	1 ON-OFF 2 1-10V 3 DALI

PATTERN POLE

IP68 | IK09 | 220-240V | 5 YRS Warranty | 40 - 60 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L200xW200xH3000mm
OPTICAL	
Diffuser	Opal Polycarbonate
Light distribution	360° light distribution
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K, 5700K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

PATTERN series of poles is a special pole with unique reflections, distinguished by its square form factor, captivating light effects, and robust construction, PATTERN pole is a great choice for illuminating pathways, landscaped areas, and various public spaces.

-Optimized symmetrical uniform light distribution with a unique effect.
-Features a minimalistic design, allowing seamless integration with diverse architectural styles.
-Sophisticated and decorative pattern on 4 sides.
-Easy installation and maintenance.

Range	Power (W)	Lumen (lm)
PATTERN POLE 1	40W	6400lm
PATTERN POLE 2	50W	7500lm
PATTERN POLE 3	60W	8400lm

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - CONTROL

PATTERN POLE	1	30 3000K	1 ON-OFF
	2	40 4000K	2 1-10V
	3	50 5000K	3 DALI
		57 5700K	

ZEKREET MULTI POLE

IP66 | IK08 | 220-240V | 5 YRS Warranty | 6-80 WATTS

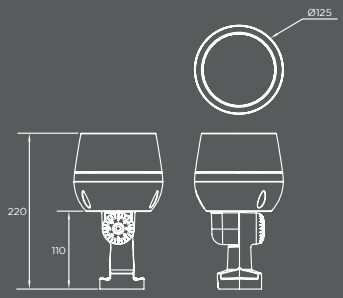
Upon request

1-10V | DALI | RGB | RGBW | DMX

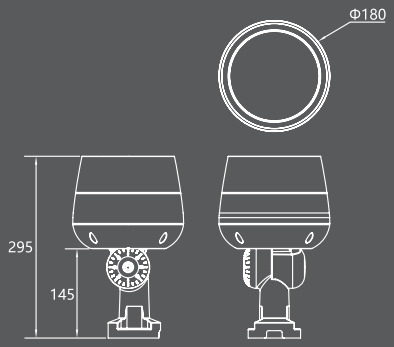
PHYSICAL	
Body	Aluminum
Finish	Powder coating
Dimensions	L200xW100xH3000mm
OPTICAL	
Diffuser	19mm Toughened Glass
Light Emission	Symmetrical
Aiming	Fixed
CRI	>80
ELECTRICAL	
Driver	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

ZEKREET MULTI POLE is an example of sophistication and functionality in outdoor lighting, it features multiple spotlights strategically positioned on the pole, offering illumination in multiple directions. The seamless integration of these spotlights ensures a comprehensive lighting solution, brightening up every corner with precision and flair. Beyond its exceptional functionality, it stands as a testament to exquisite design, seamlessly blending aesthetics and practicality. Its contemporary form adds a touch of elegance to any environment, making it not just a lighting solution but a statement piece that enhances the visual appearance of outdoor spaces.

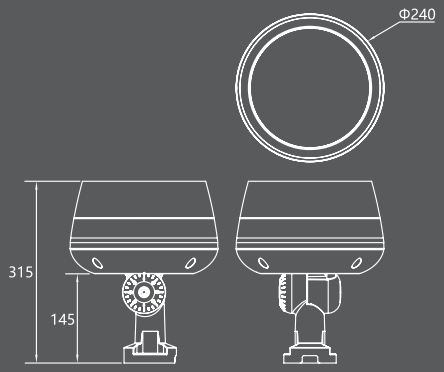
ZEKREET 1



ZEKREET 2



ZEKREET 3



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	Beam angle	CCT(K)
ZEKREET 1.1	6W	295lm	Ø125xH220	3 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.2	8W	430/550lm	Ø125xH220	3 pcs	3.5°,5°	3000K,4000K
ZEKREET 1.3	8W	610lm	Ø125xH220	6 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.4	10W	895lm	Ø125xH220	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.5	15W	1345lm	Ø125xH220	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 1.6	18W	1614lm	Ø125xH220	9 pcs	7°,15°,25°,40°,60°	3000K,4000K
ZEKREET 2.1	11W	910lm	Ø180xH295	9 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.2	14W	1203lm	Ø180xH295	12 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.3	21W	1278lm	Ø180xH295	9 pcs	3.5°	3000K,4000K(RGB)
ZEKREET 2.4	21W	1598lm	Ø180xH295	9 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.5	21W	1815lm	Ø180xH295	18 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.6	28W	2165lm	Ø180xH295	12 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 2.7	30W	2476lm	Ø180xH295	9 pcs	5°	3000K,4000K(RGB)
ZEKREET 2.8	42W	3283lm	Ø180xH295	18 pcs	7°,15°,25°,40°,60°	3000K,4000K(RGB)
ZEKREET 3.1	40W	2510lm	Ø240xH315	18 pcs	3.5°	3000K,4000K(RGB)
ZEKREET 3.2	60W	4370lm	Ø240xH315	18 pcs	5°	3000K,4000K(RGB)
ZEKREET 3.3	60W	4558lm	Ø240xH315	24 pcs	15°,25°,40°,60°	3000K,4000K(RGBW)
ZEKREET 3.4	72W	5429lm	Ø240xH315	24 pcs	15°,25°,40°,60°	3000K,4000K(RGBW)
ZEKREET 3.5	80W	6516lm	Ø240xH315	24 pcs	15°,25°,40°,60°	3000K,4000K(RGBW)

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

ZEKREET

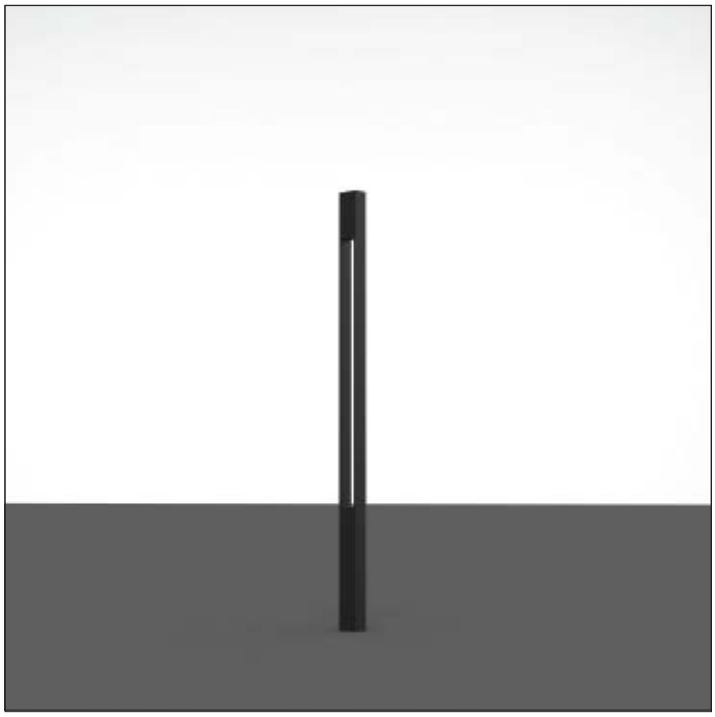
1.1
1.2
1.3
1.4
1.5
1.6
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
3.1
3.2
3.3
3.4
3.5

30 3000K
40 4000K
RGB
RGBW

0.3 3.5°
05 5°
07 7°
15 15°
25 25°
40 40°
60 60°

1 ON-OFF
2 1-10V
3 DALI
4 DMX/RDM

QUADRANT SLIM POLE



IP68 | IK09 | 220-240V | 5 YRS Warranty | 20 - 30 WATTS

Upon request

1-10V | DALI

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Polyester Powder Coated
Dimensions	L150xW100xH3000mm
OPTICAL	
Diffuser	Clear Polycarbonate
Light distribution	2 ways light distribution
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K, 5700K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

QUADRANT SLIM POLE series stands out as a dependable option for pathways, landscaped areas, and various public spaces, featuring a rectangular frame, and a 2-way light distribution.

-Glare is effectively minimized through a concealed light source.

-The 2 way light distribution not only efficiently illuminates pathways and areas but also introduces a distinctive visual effect.

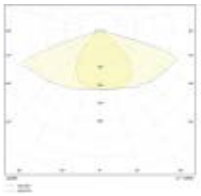
-Various height options and a coordinating column make it suitable for high-end architectural projects.

-Its minimalistic design ensures seamless integration with diverse architectural styles.

Range	Power (W)	Lumen (lm)
QUANDRANT SLIM POLE 1	20W	2700lm
QUANDRANT SLIM POLE 2	25W	3175lm
QUANDRANT SLIM POLE 3	30W	3600lm

AVAILABLE OPTICS

Type II Short-1



Type II Short-2

Type II Short-3

ORDERING CODE

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
QUADRANT SLIM POLE	1 2 3	30 3000K 40 4000K 50 5000K 57 5700K	1 TYPE II-1 2 TYPE II-2 3 TYPE II-3	1 ON-OFF 2 1-10V 3 DALI

LUNA POLE

IP66 | IK08 | 220-240V | 5 YRS Warranty | 30-75 WATTS

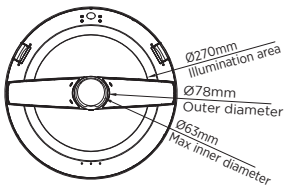
Upon request: 1-10V | DALI

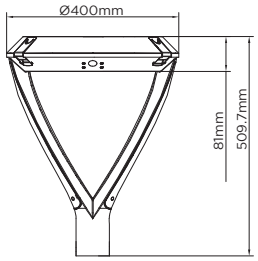
PHYSICAL	
Body	Aluminum alloy
Finish	Powder coating black (RAL9005)
Dimensions	ø400xH510mm
OPTICAL	
Diffuser	Tempered glass and PC optical lens
Light distribution	More than 10 optics lens for optional
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-30°C ~ +50°C
Humidity	10% ~ 90%RH

LUNA POLE series serves as the focal point in outdoor landscapes, enhancing the visual appeal. When incorporated into a park or pathway, it not only illuminates various elements of the landscape but also enhances safety by offering consistent ambient lighting, thereby improving visibility for pedestrians.

-Contemporary, architectural design, smooth housing without any screws exposed.
-Super high efficiency to 150lm/w, lumen packages ranging from 11250 - 4500lm.
-A variety of mounting configurations, optic distributions and lumen packages.
-Tool-less opening and incorporation of automatic disconnect for easy, safe access and simple electrical testing or maintenance operations.
-Protection Class I or Class II.
-Two lens configurations: clear and diffuse.

Range	Power (W)	Lumen (lm)
LUNA 1	30W	4500lm
LUNA 2	50W	7200lm
LUNA 3	60W	8700lm
LUNA 4	75W	11100lm





ORDERING CODE

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL	ACCESSORIES
LUNA	1	30 3000K	LR01	1 ON-OFF	NS NEMA SOCKET
	2	40 4000K	LR02	2 1-10V	PC PHOTOCELL CONTROL
	3	50 5000K	LR03	3 DALI	SC SHORTING CAP
	4		LR04		SS SINGLE STRUT
			LR05		TS TWIN STRUT
			LR06		SB STRAIGHT ARM BRACKET
			LR07		SF SLIP FITTER BRACKET
			LR08		GB GOOSENECK BRACKET
			LR09		SB SUSPENSION BRACKET
			LR10		
			LR11		

Suspention Mount

Single Strut Mount

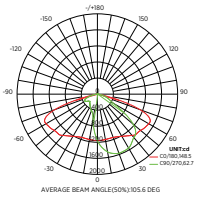
Twin Strut mount

Post Top Mount

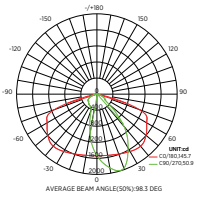
Gooseneck Mount

Straight-arm Mount

AVAILABLE OPTICS



LR01



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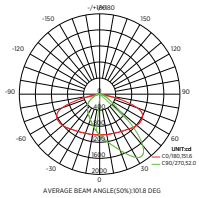
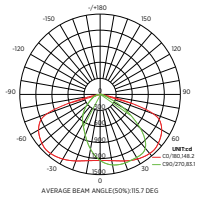


LR03



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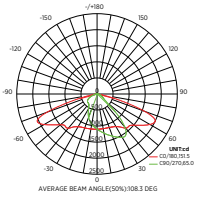
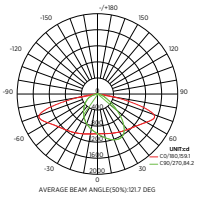


LR05



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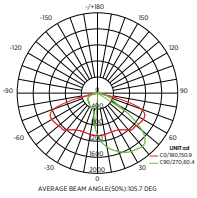
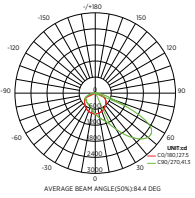
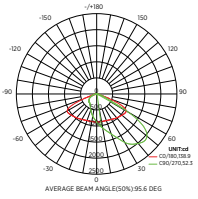


LR07



LR08



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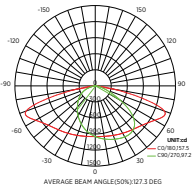
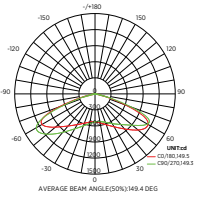


LR10



LR11

ACCESSORIES

NEMA SOCKET

PHOTOCELL CONTROL

SHORTING CAP

SINGLE STRUT

TWIN STRUT

STRAIGHT ARM BRACKET

SLIP FITTER BRACKET

GOOSENECK BRACKET

SUSPENSION BRACKET

BELL POLE

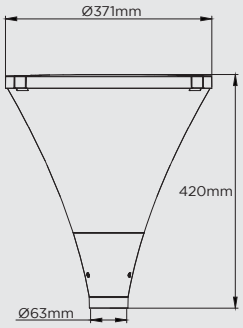
IP66 | IK09 | 220-240V | 5 YRS Warranty | 20 - 60 WATTS

Upon request

1 - 10V | DALI

PHYSICAL	
Body	Aluminum alloy
Finish	Powder coating
Dimensions	ø371xH420mm
OPTICAL	
Diffuser	Polycarbonate optical lens
Light distribution	More than 10 optics lens for optional
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-30°C ~ +50°C
Humidity	10% ~ 90%RH

BELL POLE series aligns with the contemporary urban trend by incorporating sleek curvature, presenting a neat aesthetic, and ensuring effective heat dissipation. With a clear and fully rounded PC cover, it eliminates blind spots created by Light source arms, contributing to both safety and the visual appeal of urban spaces. It offers a range of control options, adding a touch of intelligence to the latest advancements in urban lighting solutions.

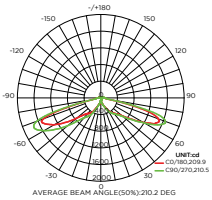


Range	Power (W)	Lumen (lm)
BELL POLE 1	20W	2400lm
BELL POLE 2	40W	4800lm
BELL POLE 3	60W	7200lm

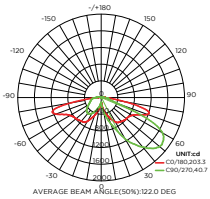
ORDERING CODE

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL	ACCESSORIES
BELL	1	30 3000K	BP01	1 ON-OFF	NS NEMA SOCKET
	2	40 4000K	BP02	2 1-10V	PC PHOTOCELL CONTROL
	3	50 5000K	BP03	3 DALI	SC SHORTING CAP
			BP04		MS MOTION SENSOR
			BP05		Z ZHAGA
			BP06		RC REMOTE CONTROL
			BP07		DC PC DIFFUSION COVER
			BP08		WA WALL MOUNT ADAPTOR

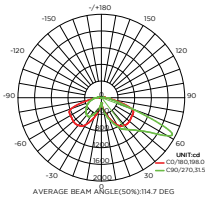
AVAILABLE OPTICS



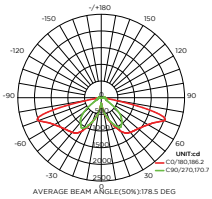
BP01



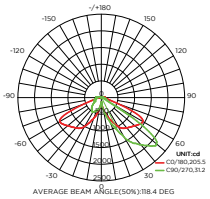
BP02



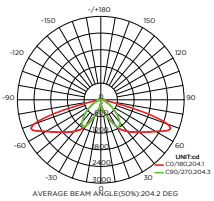
BP03



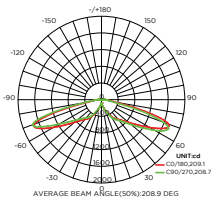
BP04



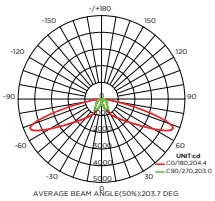
BP05



BP06



BP07



BP08

ACCESSORIES

NEMA SOCKET

PHOTOCELL CONTROL

SHORTING CAP

BUILT IN MOTION SENSOR

ZHAGA

REMOTE CONTROL

PC DIFFUSION COVER

WALL MOUNT ADAPTOR

TORCH POLE

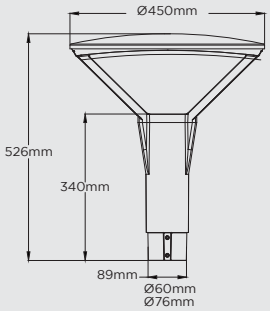
IP66 | IK08 | 220-240V | 5 YRS Warranty | 40 - 100 WATTS

Upon request

1 - 10V | DALI

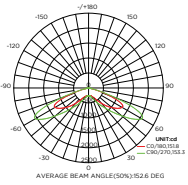
PHYSICAL	
Body	Die Casting Aluminum
Finish	Powder coating
Dimensions	ø450xH526mm
OPTICAL	
Diffuser	Tempered glass and PC optical lens
Light distribution	7 optics lens for optional
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, 5000K
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-30°C ~ +50°C
Humidity	10% ~ 90%RH

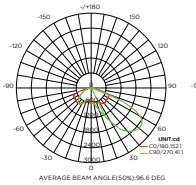
TORCH POLE aligns with the contemporary trend of urban diversity through its sleek curvature. It is conveniently used in courtyards, private and public gardens, streets and walkways, offering lumen packages ranging from 4800-12000lm. To meet the demands of different outdoor scenarios, TORCH POLE boasts a signifying robust durability against external impacts. This resilience makes TORCH POLE a reliable choice for outdoor spaces, capable of withstanding the challenges posed by weather conditions. Moreover, TORCH POLE provides a wide range of optics, allowing users to customize the lighting experience based on the requirements of each setting.

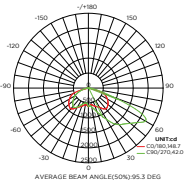


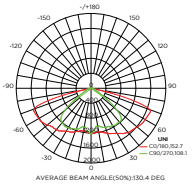
Range	Power (W)	Lumen (lm)
TORCH POLE 1	40W	4800lm
TORCH POLE 2	60W	7200lm
TORCH POLE 3	75W	9000lm
TORCH POLE 3	100W	12000lm

AVAILABLE OPTICS


TP01


TP02


TP03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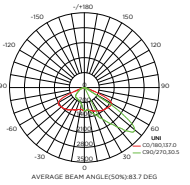
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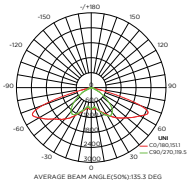
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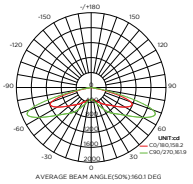

TP07

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL - ACCESSORIES

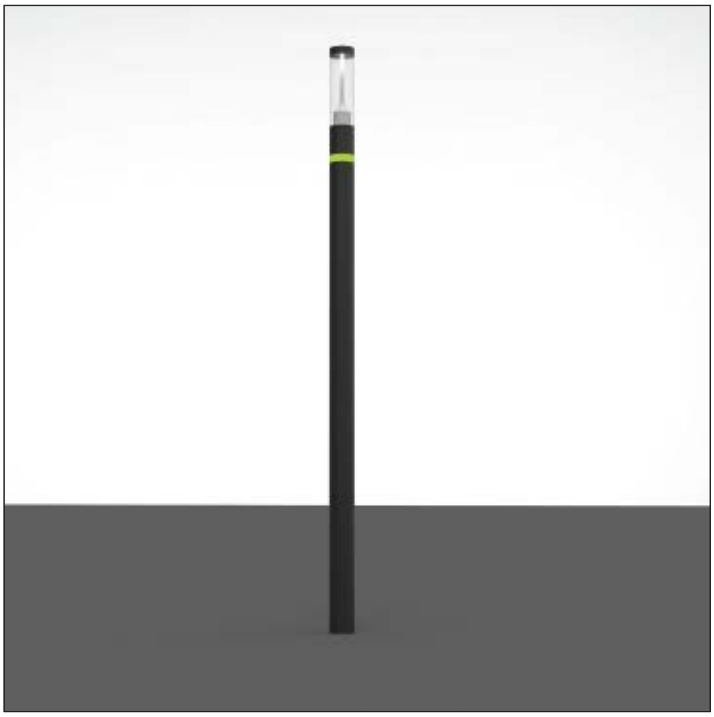
SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL	ACCESSORIES
TORCH	1 2 3 4	30 3000K 40 4000K 50 5000K	TP01 TP02 TP03 TP04 TP05 TP06 TP07	1 ON-OFF 2 1-10V 3 DALI	TA POST TOP ADAPTOR WA WALL MOUNT ADAPTOR

ACCESSORIES

Post top mount adaptor

Wall mount adaptor

FLAME POLE



IP65 | IK08 | 220-240V | 5 YRS Warranty | 30 - 50 WATTS

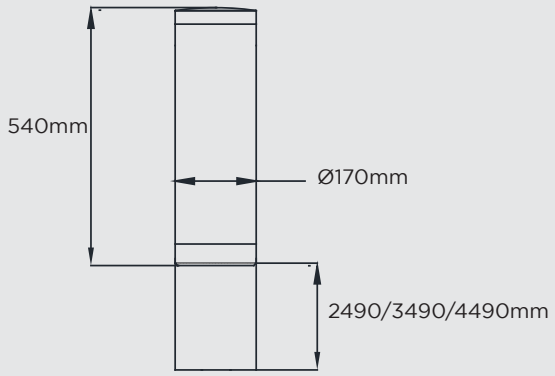
Upon request

1 - 10V | DALI

PHYSICAL	
Body	Die Casting Aluminum
Finish	Powder coating
Dimensions	ø170xH540mm
OPTICAL	
Diffuser	Opal Polycarbonate
Light distribution	2 ways light distribution
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, Amber color
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-35°C ~ +50°C
Humidity	10% ~ 95%RH

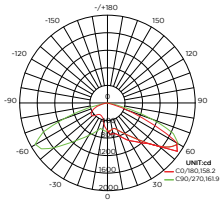
FLAME POLE series of poles with minimal design available in various heights. Designed to illuminate paths, parks, walkways and gardens without glaring. The external screws are in stainless steel 316L.

Available 3 to 6 meters height.

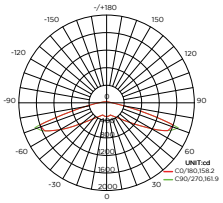


Range	Power (W)	Lumen (lm)
FLAME POLE 1	30W	3900lm
FLAME POLE 2	40W	5200lm
FLAME POLE 3	50W	6500lm

AVAILABLE OPTICS



FP01



FP02

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

FLAME	1	30 3000K	1 FP01	1 ON-OFF
	2	40 4000K	2 FP02	2 1-10V
	3	AMBER		3 DALI

HALO POLE

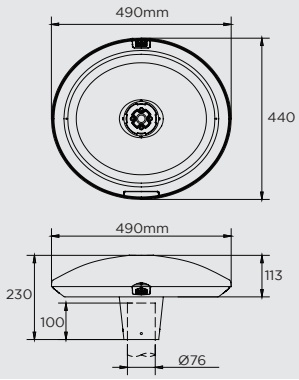
IP66 | IK09 | 220-240V | 5 YRS Warranty | 20 - 100 WATTS

Upon request

1-10V | DALI

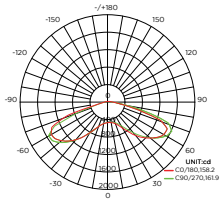
PHYSICAL	
Body	Die Casting Aluminum
Finish	Powder coating
Dimensions	ø170xH540mm
OPTICAL	
Diffuser	Opal Polycarbonate
Light distribution	2 ways light distribution
ELECTRICAL	
Light source	LED
CRI	>70
CCT	3000K, 4000K, Amber color
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Operating Temperature	-35°C ~ +50°C
Humidity	10% ~ 95%RH

HALO post-top crafted for pathways, parks, walkways, and gardens with a gentle radiance. Its celestial design not only captivates the eye but also ensures a seamless integration into any outdoor environment, effortlessly enhancing its surroundings. Crafted with precision, the external screws boast the durability of stainless steel 316L, promising longevity against the elements. Available in heights ranging from 3 to 6 meters, and wattages from 20 to 100W, our Halo fixture offers versatility tailored to diverse lighting needs, all while eliminating glare and preserving the ambiance of outdoor spaces.



Range	Power (W)	Lumen (lm)
HALO POLE 1	20W	2560lm
HALO POLE 2	30W	3840lm
HALO POLE 3	40W	5120lm
HALO POLE 4	50W	6400lm
HALO POLE 5	60W	7740lm
HALO POLE 6	70W	8050lm
HALO POLE 7	80W	9200lm
HALO POLE 8	90W	10350lm
HALO POLE 9	100W	11500lm

AVAILABLE OPTICS



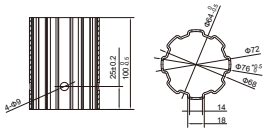
HP01

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
HALO	1 2 3 4 5 6 7 8 9	30 3000K 40 4000K AMBER	1 HP01	1 ON-OFF 2 1-10V 3 DALI

ACCESSORIES



Adaptor

Ras Abou Abboud

MAHA

BEYOND the name ...

MAHA has been considered a symbol of beauty by the inhabitants of the Arabian Peninsula for centuries. With their huge horns and elegant body, they are of great cultural importance in the Gulf. As the MAHA is the largest antelope in the region, it has great endurance that enables it to live in one of the most harsh natural environments in the world.

Qatar took to preserve the MAHA, what was known as the Maha Operation (Resettlement of MAHA), which paved the way for the breeding of significant numbers of these animals while restricting their freedom, and then they were kept in special groups until they were finally released into the wild in 1982.

It is where MAHA breeds in Qatar, and after a tour within this reserve, visitors will be able to understand the nature of this elegant Oryx and appreciate its importance

MAHA SERIES

MAHA SURFACE SERIES

IP66 | IK10 | 220-240V | 5 YRS Warranty | 14 - 40 WATTS

Upon request

1 - 10V | DALI

PHYSICAL

Body	Aluminum alloy
Finish	Powder coating Black (RAL9005)
Dimensions	L238 W138.5xH212mm

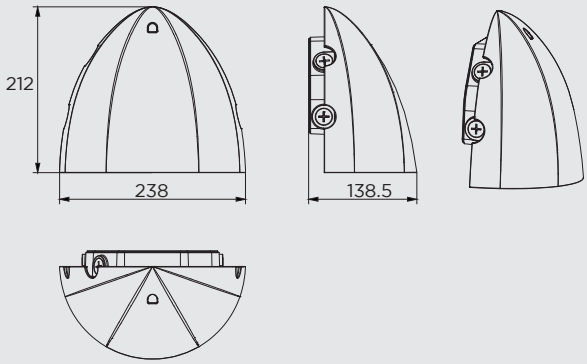
OPTICAL

Diffuser	Polycarbonate
Light Emission	Asymmetrical

ELECTRICAL

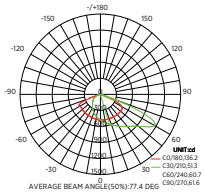
Light source	LED
CCT	3000K - 4000K - 5000K
CRI	>70 (>80 optional)
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Ambient Temp.	-30°C ~ 50°C
Ambient Humidity	10% ~ 90%

MAHA surface series is a refined design and an ideal lighting solution for multiple outdoor locations, including building exteriors, outdoor walkways, garages, and pathways. Notably energy-efficient, this fixture delivers a bright light output, guaranteeing optimal visibility and comfort. Moreover, its full cut-off asymmetrical optic design facilitates efficient light control, preventing any upward light emission and meeting the rigorous market standards.



Range	Power (W)	Lumen (lm)
MAHA SURFACE 1	14W	1890lm
MAHA SURFACE 2	25W	3375lm
MAHA SURFACE 3	40W	5400lm

AVAILABLE OPTICS



MS01

ORDERING CODE

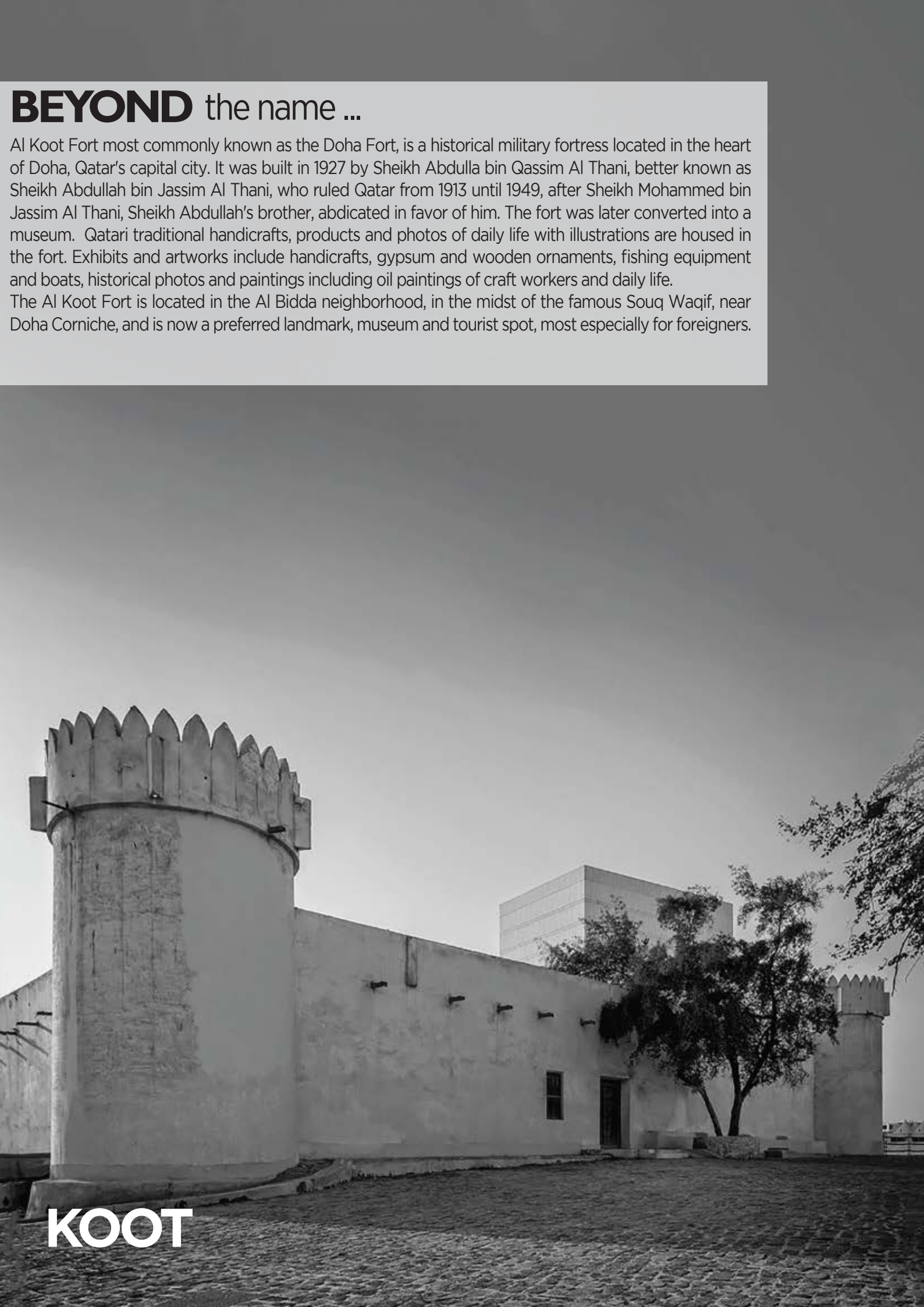
SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

MAHA SURFACE	1 2 3	30 3000K 40 4000K 50 5000K	1 MS01	1 ON-OFF 2 1-10V

BEYOND the name ...

Al Koot Fort most commonly known as the Doha Fort, is a historical military fortress located in the heart of Doha, Qatar's capital city. It was built in 1927 by Sheikh Abdulla bin Qassim Al Thani, better known as Sheikh Abdullah bin Jassim Al Thani, who ruled Qatar from 1913 until 1949, after Sheikh Mohammed bin Jassim Al Thani, Sheikh Abdullah's brother, abdicated in favor of him. The fort was later converted into a museum. Qatari traditional handicrafts, products and photos of daily life with illustrations are housed in the fort. Exhibits and artworks include handicrafts, gypsum and wooden ornaments, fishing equipment and boats, historical photos and paintings including oil paintings of craft workers and daily life.

The Al Koot Fort is located in the Al Bidda neighborhood, in the midst of the famous Souq Waqif, near Doha Corniche, and is now a preferred landmark, museum and tourist spot, most especially for foreigners.



KOOT SERIES

KOOT SERIES

KOOT ADJUSTABLE 1
20-30W

KOOT ADJUSTABLE 2
30-50W

KOOT ADJUSTABLE 3
60-100W

KOOT ADJUSTABLE 4
7-11W

KOOT ADJUSTABLE 5
14-28W

KOOT ADJUSTABLE 6
21-45W

KOOT BLADE
30w

KOOT GRAZER 1
18-30W

KOOT GRAZER 2
36-60W

KOOT GLOW
8-45W

KOOT GRAZER ROUND
10W

KOOT PRO
20-160W

KOOT ADJUSTABLE SERIES

IP67 | IK10 | 220-240V | 5 YRS Warranty | 7-100 WATTS

Upon request

1-10V | DALI | DMX | RGB

PHYSICAL

Body	Aluminum Alloy
Frame	Stainless Steel 316L
Recessing tube	Aluminum Alloy
OPTICAL	
Diffuser	Tempered Glass
Light Emission	Adjustable
Aiming	Fixed
CRI	>80
ELECTRICAL	
CCT	3000K - 4000K (RGB available on request)
Driver	Electronic included | 50-60Hz 220-240VAC Non-Dimmable Driver 1-10V dimming or DALI on request
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

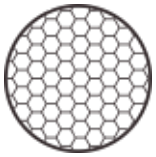
KOOT ADJUSTABLE series consists of a range of LED sources to deliver the desired light effect to façades, columns, bridges, monuments, and signs. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 6 to 40 degrees are available.

THERMAL MANAGEMENT

All fixtures are designed to withstand ambient temperatures of at least 50˚C. The LEDs are mounted on metal core PCBs, which are mounted the Aluminum body of the fixture so that the entire fixture acts as a heat sink.

This unique design can be adjusted easily from the outside without the need to open it, using an Allen key.

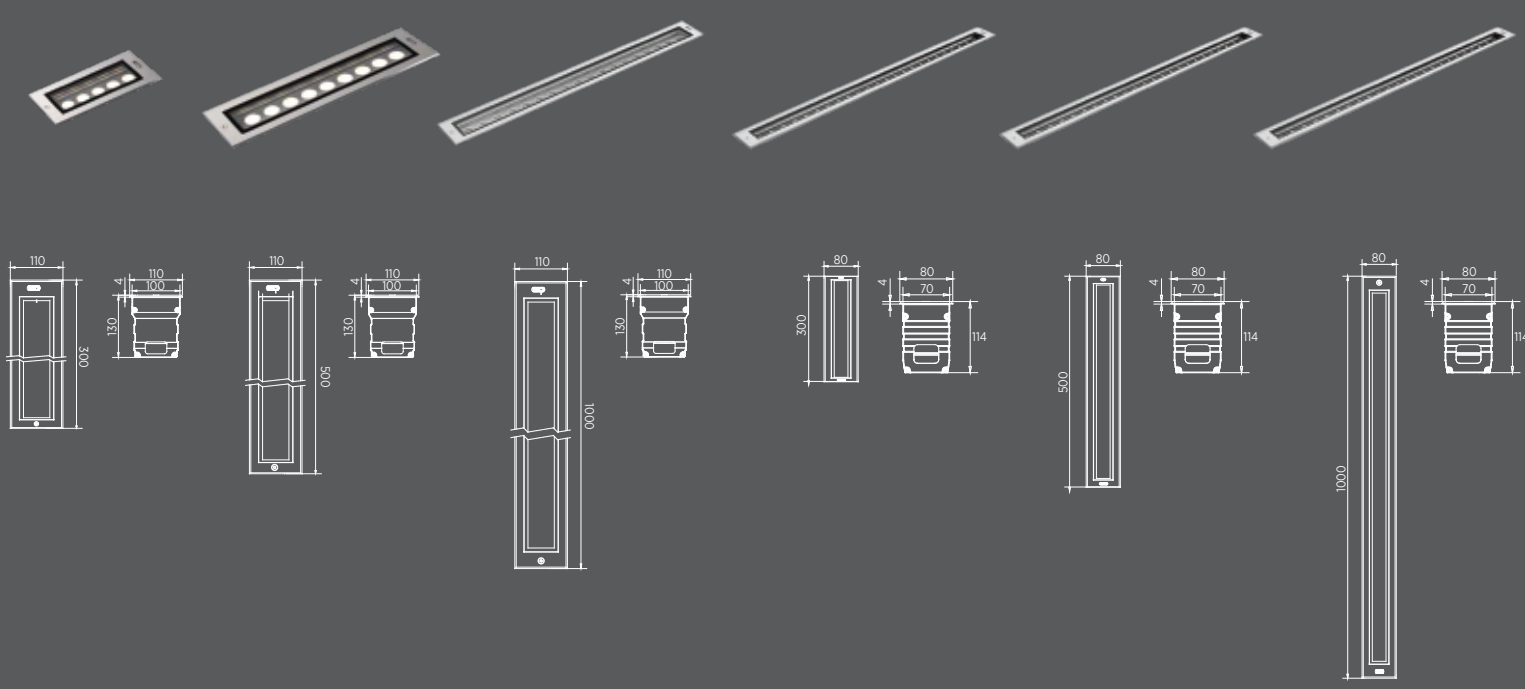
ACCESSORIES



Honeycomb Grill

Anti-Slip Glass

KOOT ADJUSTABLE 1 | KOOT ADJUSTABLE 2 | KOOT ADJUSTABLE 3 | KOOT ADJUSTABLE 4 | KOOT ADJUSTABLE 5 | KOOT ADJUSTABLE 6



PRODUCT RANGE

	Rated Power(W)	Lumen(lm)	Dimensions(mm)	LED Quantity(pcs)	Beam angle
KOOT ADJUSTABLE 1.1	20W	1400lm	L300xW110xH130	5 pcs	6°,12°,20°,30°,40°,60°,10X70°,5X20°
KOOT ADJUSTABLE 1.2	30W	2100lm	L300xW110xH130	5 pcs	6°,12°,20°,30°,40°,60°,10X70°,5X20°
KOOT ADJUSTABLE 1.3	30W	2100lm	L300xW110xH130	5 pcs	2.5°
KOOT ADJUSTABLE 2.1	30W	2100lm	L500xW110xH130	10 pcs	6°,12°,20°,30°,40°,60°,10X70°,5X20°
KOOT ADJUSTABLE 2.2	50W	3500lm	L500xW110xH130	10 pcs	6°,12°,20°,30°,40°,60°,10X70°,5X20°
KOOT ADJUSTABLE 2.3	50W	3500lm	L500xW110xH130	10 pcs	2.5°
KOOT ADJUSTABLE 3.1	60W	4200lm	L1000xW110xH130	20 pcs	6°,12°,20°,30°,40°,60°,10X70°,5X20°
KOOT ADJUSTABLE 3.2	100W	7000lm	L1000xW110xH130	20 pcs	6°,12°,20°,30°,40°,60°,10X70°,5X20°
KOOT ADJUSTABLE 3.3	100W	7000lm	L1000xW110xH130	20 pcs	2.5°
KOOT ADJUSTABLE 4.1	7W	490lm	L300xW80xH114	6 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 4.2	11W	770lm	L300xW80xH114	9 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 5.1	11W	770lm	L500xW80xH114	9 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 5.2	14W	980lm	L500xW80xH114	12 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 5.3	28W	1960lm	L500xW80xH114	12 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 6.1	21W	1470lm	L1000xW80xH114	18 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 6.2	28W	1960lm	L1000xW80xH114	24 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°
KOOT ADJUSTABLE 6.3	45W	3150lm	L1000xW80xH114	24 pcs	8°,12.5°,20°,30°,45°,60°,15X30°,10X60°

*The lumen output may vary depending on the beam angle, and the use of anti-glare accessory.

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

SERIES NAME	PRODUCT RANGE	CCT	OPTICS	CONTROL
KOOT ADJUSTABLE	1.1 1.2 1.3 2.1 2.2 2.3 3.1 3.2 3.3 4.1 4.2 5.1 5.2 5.3 6.1 6.2 6.3	27 2700K 30 3000K 40 4000K 65 6500K	Refer to above table	1 ON-OFF 2 1-10V 3 DALI

KOOT BLADE

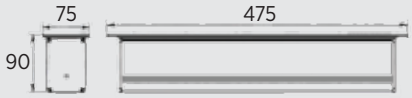
IP67 | IK08 | 24Vdc | 5 YRS Warranty | 30 WATTS

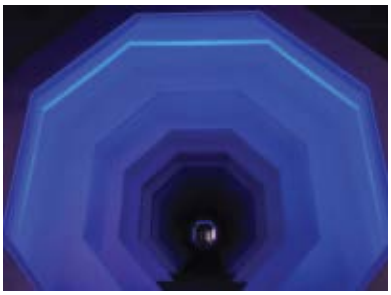
Upon request

1-10V | DALI | DMX

PHYSICAL	
Body	Aluminum Extruded Profile
Finish	Anodized oxidation & double coated
Dimensions	L475xW75xH90mm
OPTICAL	
Diffuser	Tempered glass
Light Distribution	3x180° blade effect optic
ELECTRICAL	
Light source	LED
Lumen	900lm
CRI	>80
CCT	3000K-4000K-5000K
Driver	Constant voltage 24V DC remote driver needed 1-10V or DALI available on request
Operating Temperature	-40°C ~ +50°C
Humidity	10% ~ 90%RH

KOOT BLADE is a recessed luminaire with 180° light emissions, an ideal lighting solution for arches and windows. This type of luminaire is designed to be installed inside a recessed area, providing a sleek and seamless appearance that complements the architecture of the space. The 180° light emission ensures that light is evenly distributed in all 3 directions, effectively illuminating the entire surrounding area. This feature is especially useful for arches and windows, as it can provide a soft and diffused glow that accentuates the curves and contours of these architectural elements. Additionally, a recessed luminaire with 180° light emissions can be used to create a dramatic effect by highlighting the texture and details of the surrounding surfaces, adding depth and dimension to the space.





ORDERING CODE

SERIES NAME - CCT - CONTROL

KOOT BLADE

30 3000K
40 4000K
50 5000K
RGB RGB

1 ON-OFF
2 1-10V
3 DALI

KOOT GRAZER 1

IP66 | 24Vdc | 5 YRS Warranty | 18 - 30 WATTS

Upon request

1 - 10V | DALI | DMX | MONO COLOR | RGB | RGBW

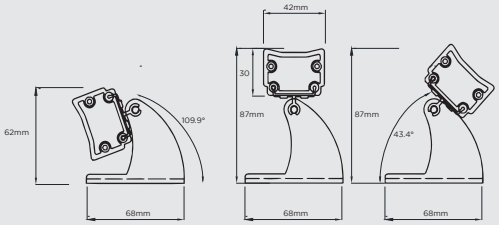
PHYSICAL	
Body	High corrosion resistance die-cast copper-free
Finish	Polyester powder coating with
	phosphocromating pre-finish Grey/Black
	(Other colors upon request)
Screws	Stainless Steel 316
Gasket	Silicone rubber
Dimensions	L1000xW42xH87 mm
OPTICAL	
Diffuser	Tempered Glass
Beam Angle	10°,15°,45°,90°,10x30°,20x45°,15x65°,15x45°
Bracket	Adjustable
CRI	>80
ELECTRICAL	
Light source	LED CREE
Lumen	104 lm/W
CCT	3000K, 4000K, 5000K, RGB, RGBW
Driver	24Vdc remote driver to be ordered separately
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

KOOT GRAZER consists of a range of LED sources to deliver the desired light effect to façades, columns, bridges, monuments, and signs. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10° to 90° are available.

THERMAL MANAGEMENT

All fixtures are designed to withstand ambient temperatures of

at least 50˚C. The LEDs are mounted on metal core PCBs with excellent heat conductivity aluminum coefficient of heat conductivity ≥ 2.0w/mk.



Range	Power (W)	Lumen (lm)
KOOT GRAZER 1.1	18W	1872lm
KOOT GRAZER 1.2	24W	2496lm
KOOT GRAZER 1.3	30W	3120lm

ORDERING CODE

SERIES NAME - PRODUCT RANGE - FINISH - CCT - OPTICS - CONTROL

KOOT GRAZER 1	1	G GREY	30 3000K	10 10°	1 ON-OFF
	2	B BLACK	40 4000K	15 15°	2 DALI
	3		50 5000K	45 45°	3 DMX512
			RGB	90 90°	
			RGBW	1030 10x30°	
				2045 20x45°	
				1565 15x65°	
				1545 15x45°	

KOOT GRAZER 2

IP66 | 220-240V | 5 YRS Warranty | 36-60 WATTS

Upon request

1-10V | DALI | DMX | MONO COLOR | RGB | RGBW

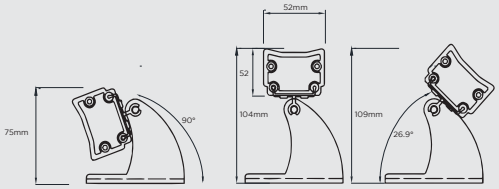
PHYSICAL	
Body	High corrosion resistance die-cast copper-free
Finish	Polyester powder coating with
	phosphocromating pre-finish Grey/Black
	(Other colors upon request)
Screws	Stainless Steel 316
Gasket	Silicone rubber
Dimensions	L1000xW52xH109 mm
OPTICAL	
Diffuser	Tempered Glass
Beam Angle	10°,45°,90°,10x30°,20x45°,15x65°,15x45°
Bracket	Adjustable
CRI	>80
ELECTRICAL	
Light source	LED
Lumen	80 lm/W
CCT	3000K, 4000K, 5000K, RGB, RGBW
Driver	24Vdc remote driver to be ordered separately
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

KOOT GRAZER consists of a range of LED sources to deliver the desired light effect to façades, columns, bridges, monuments, and signs. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10° to 90° are available.

THERMAL MANAGEMENT

All fixtures are designed to withstand ambient temperatures of

at least 50˚C. The LEDs are mounted on metal core PCBs with excellent heat conductivity aluminum coefficient of heat conductivity ≥ 2.0w/mk.



Range	Power (W)	Lumen (lm)
KOOT GRAZER 2.1	36W	2880lm
KOOT GRAZER 2.2	48W	3840lm
KOOT GRAZER 2.3	60W	4800lm

ORDERING CODE

SERIES NAME - PRODUCT RANGE - FINISH - CCT - OPTICS - CONTROL

KOOT GRAZER 2	1	G GREY	30 3000K	10 10°	1 ON-OFF
	2	B BLACK	40 4000K	45 45°	2 DALI
	3		50 5000K	90 90°	3 DMX512
			RGB	1030 10x30°	
			RGBW	2045 20x45°	
				1565 15x65°	
				1545 15x45°	

KOOT GLOW SERIES

IP66 | IK08 | 24Vdc | 5 YRS Warranty | 8-48 WATTS

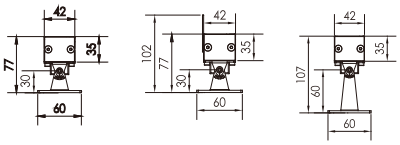
Upon request

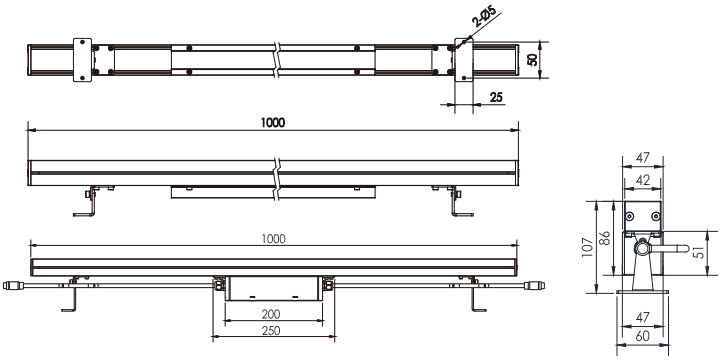
1-10V | DALI | DMX | RGB | RGBW

PHYSICAL	
Body	Aluminum Alloy
Finish	Anodizing treatment
OPTICAL	
Diffuser	Tempered Glass
Aiming	Fixed
CRI	>80
ELECTRICAL	
Light source	LED
CCT	3000K, 4000K, 5000K, RGB, RGBW
Gear	Integrated LED driver | 220-240V | 50/60Hz
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%

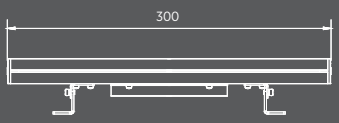
KOOT GLOW consists of a range of LED sources to deliver the desired light effect to façades, columns, bridges, monuments, and signs. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 8° to 60° are available.

All fixtures are designed to withstand ambient temperatures of at least 50°C.



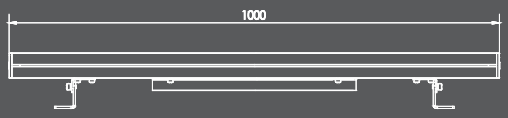


KOOT GLOW 1



KOOT GLOW 2

KOOT GLOW 3



KOOT GLOW SERIES	Rated Power(W)	Dimensions(mm)	LED Brand	LED Quantity(pcs)	CCT(K)	Beam angle
KOOT GLOW 1.1	8W	L300xW42xH35	LUMILEDS	8 pcs	Single/RGB	15°,20°,30°,60°,15x30°,10x60°
KOOT GLOW 1.2	12W	L300xW42xH35	CREE/OSRAM RGBW 4IN1	6 pcs	RGBW	20°,45°,60°,15x60°
KOOT GLOW 2.1	9W	L500xW42xH35	LUMILEDS	9 pcs	Single/RGB	15°,20°,30°,60°,15x30°,15x60°
KOOT GLOW 2.2	12W	L500xW42xH35	LUMILEDS	12 pcs	Single/RGB	15°,20°,30°,60°,15x30°,15x60°
KOOT GLOW 2.3	18W	L500xW42xH35	LUMILEDS	18 pcs	Single/RGB	15°,20°,30°,60°,15x30°,15x60°
KOOT GLOW 2.4	18W	L500xW42xH35	CREE/OSRAM RGBW 4IN1	9 pcs	RGBW	20°,45°,60°,15x60°
KOOT GLOW 2.5	24W	L500xW42xH35	CREE/OSRAM RGBW 4IN1	12 pcs	Single/RGB	20°,45°,60°,15x60°
KOOT GLOW 3.1	18W	L1000xW42xH35	LUMILEDS	18 pcs	Single/RGB	8°,15°,20°,30°,60°,15x30°,15x60°
KOOT GLOW 3.2	24W	L1000xW42xH35	LUMILEDS	24 pcs	Single/RGB	8°,15°,20°,30°,60°,15x30°,15x60°
KOOT GLOW 3.3	36W	L1000xW42xH35	LUMILEDS	36 pcs	Single/RGB	8°,15°,20°,30°,60°,15x30°,15x60°
KOOT GLOW 3.4	36W	L1000xW42xH35	CREE/OSRAM RGBW 4IN1	18 pcs	RGBW	20°,45°,60°,15x60°,15x25°
KOOT GLOW 3.5	48W	L1000xW42xH35	CREE/OSRAM RGBW 4IN1	24 pcs	RGBW	20°,45°,60°,15x60°,15x25°
KOOT GLOW 3.6	48W	L1000xW42xH35	RGBWCL 6in1	24 pcs	RGBWCL	30°,45°,60°,30x60°

*The lumen output may vary depending on the beam angle.

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

KOOT GLOW	1.1	30 3000K Refer to	1 ON-OFF
	1.2	40 4000K above table	2 1-10V
	2.1	50 5000K	3 DALI
	2.2	RGB	4 DMX512
	2.3	RGBW	
	2.4		
	2.5		
	3.1		
	3.2		
	3.3		
	3.4		
	3.5		
	3.6		

KOOT GRAZER ROUND

IP67 | IK05 | 24Vdc | 5 YRS Warranty | 10-48 WATTS

Upon request

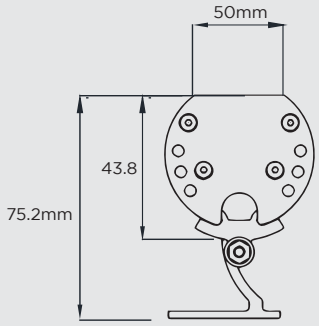
1-10V | DALI | DMX | TUNABLE WHITE | MONO COLOR | RGB | RGBW

PHYSICAL	
Body	Extruded Aluminum 6063
Finish	Epoxy coated or anodized
Screws	Stainless Steel
Gasket	Silicone rubber
Dimensions	L1000xW50xH44 mm
OPTICAL	
Diffuser	4mm Ultra-clear glass
Beam Angle	10°,15°,30°,45°,60°,15x45°,10x60°
Bracket	Adjustable
CRI	>80
ELECTRICAL	
Light source	LED
CCT	3000K, 4000K, 5000K, RGBW,
	Tunable white(2700K-6000K)
Driver	24Vdc (remote driver to be ordered separately)
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

KOOT GRAZER ROUND consists of a range of LED sources to deliver the desired light effect to façades, columns, bridges, monuments, and signs. The LEDs used come in 3 different tones of white, as well as blue, red, green, amber and RGB. Several lenses from 10° till 60° are available.

THERMAL MANAGEMENT

All fixtures are designed to withstand ambient temperatures of at least 50˚C. The LEDs are mounted on metal core PCBs with excellent heat conductivity aluminum coefficient of heat conductivity ≥ 2.0w/mk.



Range	Power (W)	Lumen (lm)
KOOT GRAZER ROUND 1	10W	900lm (Mono color)
KOOT GRAZER ROUND 2	30W	2700lm (Mono color)
KOOT GRAZER ROUND 3	48W	Tunable white

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

KOOT GRAZER ROUND	1 2 3	30 3000K 40 4000K 50 5000K RGBW TW	10 10° 15 15° 30 30° 45 45° 60 60° 1545 15x45° 1060 10x60°	1 ON-OFF 2 DALI 3 DMX512

KOOT PRO

IP66 | IK08 | 220-240V | 5 YRS Warranty | 20-160 WATTS

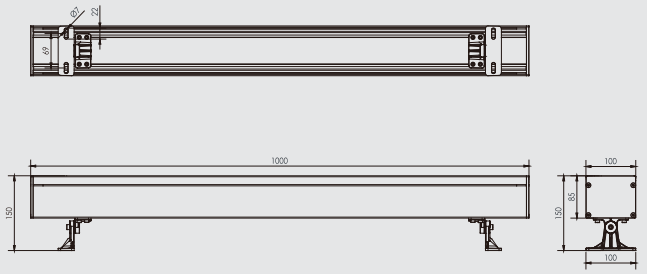
Upon request

1-10V | DALI | DMX | MONO COLOR | RGBW

PHYSICAL	
Body	Aluminum
Dimensions	L1000xW100xH150 mm
OPTICAL	
Diffuser	Tempered Glass
CRI	>80
ELECTRICAL	
Light source	LED
CCT	3000K, 4000K, 5000K, RGBW
Ambient Temp.	-25°C ~ 50°C
Ambient Humidity	10% ~ 90%
Light source Life	80,000 h

KOOT PRO consists of a range of LED sources to deliver the desired light effect to façades, columns, bridges, monuments, and signs. The LEDs used come in single colors, as well as RGBW.

THERMAL MANAGEMENT
All fixtures are designed to withstand ambient temperatures of
at least 50˚C with excellent heat conductivity.



Range	Power (W)	CCT (K)	LED Quantity	Beam angle	Lumen (lm)
KOOT PRO 1	20W	Single	3 pcs	1.5°, 1.5x40°	1200lm
KOOT PRO 2	40W	RGBW	3 pcs	4°	1200lm
KOOT PRO 3	50W	Single	6 pcs	1.5°, 1.5x40°	3000lm
KOOT PRO 4	80W	RGBW	6 pcs	4°	2400lm
KOOT PRO 5	100W	Single	12 pcs	1.5°, 1.5x40°	6000lm
KOOT PRO 6	160W	RGBW	12 pcs	4°	4800lm

ORDERING CODE

SERIES NAME - PRODUCT RANGE - CCT - OPTICS - CONTROL

KOOT PRO	1 2 3 4 5 6	30 3000K 40 4000K 50 5000K RGBW	Refer to above table	1 1-10V 2 ON-OFF 3 DALI 4 DMX512/RDM

GLOW RAIL SERIES

GLOW RAIL SERIES

GLOW RAIL LINEAR (SQ)

GLOW RAIL LIINEAR (R)

GLOW RAIL DOT

GLOW RAIL LINEAR (SQ)

IP65 | IK09 | 24Vdc | 5 YRS Warranty | 4 WATTS

Upon request

RGB | RGBW

PHYSICAL	
Body	Aluminum
Finish	Silver grey / Black
Dimensions	L110xW30xH30 mm
Hole for groove	L102xW28 mm
OPTICAL	
Beam Angle	10x110°
Aiming	Symmetric
CRI	>80
ELECTRICAL	
Light source	LED
Color Temp.	2700K, 3000K, 4000K, 5000K, Blue
Lumen Output	131 lm
Driver	24Vdc
Ambient Temp.	-20°C ~ +45°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

GLOW RAIL LINEAR (SQ) is an LED handrail lighting system designed to enhance standard handrails crafted from stainless steel and aluminum. Offering a spectrum of colors ranging from 2700 to 6500K and blue, the system is not only visually versatile but also features an impressive IP65 waterproof rating, ensuring resilience in diverse settings. The system incorporates secure 3M waterproof internal connectors for added reliability. Powered by a constant voltage LED driver, it operates efficiently, maintaining a consistent performance. Furthermore, the system provides flexibility through customization options, allowing for personalized sizes, shapes, and beam angles based on individual preferences and requirements.

Suitable for square handrails with dimensions ≥50x50mm and a wall thickness ranging from 0.8 to 3mm.

Wall Thickness T: 0.8~3mm

ORDERING CODE

SERIES NAME - FINISH - CCT - CONTROL

GLOW RAIL LINEAR(SQ)	G GREY B BLACK	27 2700K 30 3000K 40 4000K 50 5000K B Blue	1 ON-OFF 2 1-10V

GLOW RAIL LINEAR (R)

IP65 | IK09 | 24Vdc | 5 YRS Warranty | 4 WATTS

Upon request

RGB | RGBW

PHYSICAL	
Body	Aluminum
Finish	Silver grey / Black
Dimensions	L124xW30xH32 mm
Hole for groove	L102xW28 mm
OPTICAL	
Beam Angle	10x110°
Aiming	Symmetric
CRI	>80
ELECTRICAL	
Light source	LED
Color Temp.	2700K, 3000K, 4000K, 5000K, Blue
Lumen Output	131 lm
Driver	24Vdc
Ambient Temp.	-20°C ~ +45°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

GLOW RAIL DOT is an LED handrail lighting system designed to enhance standard handrails crafted from stainless steel and aluminum. Offering a spectrum of colors ranging from 2700 to 6500K and blue, the system is not only visually versatile but also features an impressive IP67 waterproof rating, ensuring resilience in diverse settings. The system incorporates secure 3M waterproof internal connectors for added reliability. Powered by a constant voltage LED driver, it operates efficiently, maintaining a consistent performance. Furthermore, the system provides flexibility through customization options, allowing for personalized sizes, shapes, and beam angles based on individual preferences and requirements.

Suitable for square handrails with dimensions ≥50x50mm and a wall thickness ranging from 0.8 to 3mm, for a Ø30mm hole.

Wall Thickness T: 0.8~3mm

ORDERING CODE

SERIES NAME - FINISH - CCT - CONTROL

GLOW RAIL LINEAR (R)	G GREY B BLACK	27 2700K 30 3000K 40 4000K 50 5000K B Blue	I ON-OFF 2 1-10V

GLOW RAIL DOT

IP67 | IK09 | 24Vdc | 5 YRS Warranty | 15 WATTS

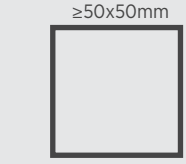
Upon request

1-10V | TRIAC | DMX | RGB | RGBW

PHYSICAL	
Body	Aluminum
Finish	Silver grey / Black
OPTICAL	
Aiming	Symmetric/Assymetric
CRI	>80
ELECTRICAL	
Light source	LED
Color Temp.	2700K, 3000K, 4000K, 5000K, Blue
Driver	24Vdc
Ambient Temp.	-20°C ~ +45°C
Ambient Humidity	10% ~ 90%
Light source Life	50,000 h

GLOW RAIL DOT is an LED handrail lighting system designed to enhance standard handrails crafted from stainless steel and aluminum. Offering a spectrum of colors ranging from 2700 to 6500K and blue, the system is not only visually versatile but also features an impressive IP67 waterproof rating, ensuring resilience in diverse settings. The system incorporates secure 3M waterproof internal connectors for added reliability. Powered by a constant voltage LED driver, it operates efficiently, maintaining a consistent performance. Furthermore, the system provides flexibility through customization options, allowing for personalized sizes, shapes, and beam angles based on individual preferences and requirements.

Suitable for square handrails with dimensions ≥50x50mm and a wall thickness ranging from 0.8 to 3mm, for a Ø30mm hole.



Wall Thickness T: 0.8~3mm

Range	Lumen (lm)	Beam angle	Dimensions (mm)
GLOW RAIL DOT 1	83lm	Asymmetric 65°	Ø33xH39.5mm
GLOW RAIL DOT 2	110lm	Symmetric 90°	Ø33xH39.mm

ORDERING CODE

SERIES NAME - PRODUCT RANGE - FINISH - CCT - CONTROL

GLOW RAIL DOT	1	G GREY	27 2700K	1 ON-OFF
	2	B BLACK	30 3000K	2 1-10V
			40 4000K	3 Triac
			50 5000K	4 DMX512
			RGB RGB	
			RGBW RGBW	

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