



LIGHTING
TECHNOLOGY & CONTROL

Luna Park Series

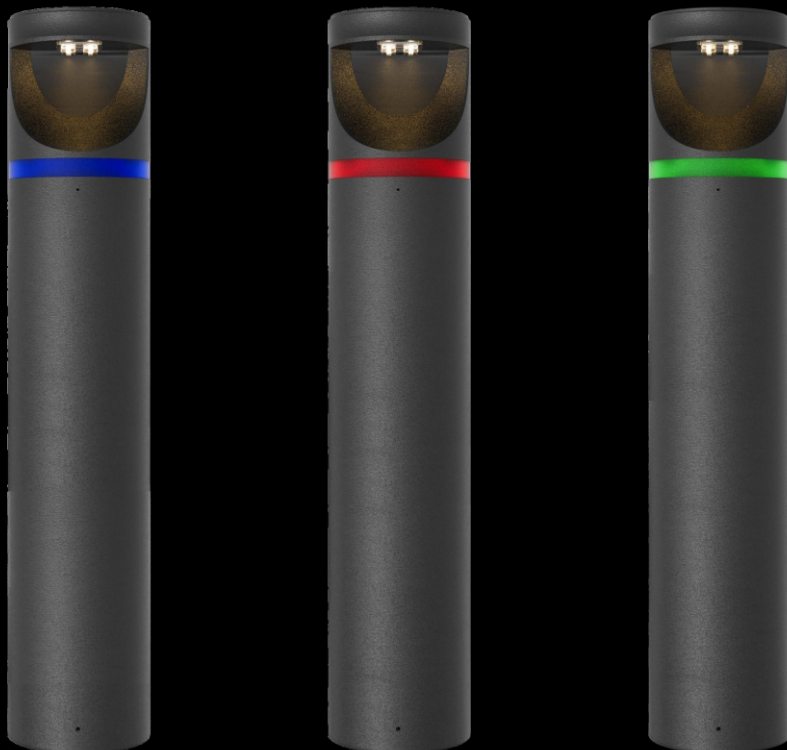


IESNA Type II (medium)
beam, applicable for
European P-class standard
pedestrian lighting and
M-class roads.

Amber Lenses



Optional R/G/B luminous accent





Luna Park Series

LED BOLLARD LIGHTS

Upper Cover [1]:

- Grafit m
- Corrosion resistant casting aluminum, no-rinse surface treatment
- Double powder-coated
- Optimized surface for reduced accumulation of dirt

LED Module [2]:

- High power LEDs
- Color or CCT(K): warm white 3000K, neutral white 4000K & others
- CRI 80+, optional CRI90+
- 3-step MacAdam (SDCM ≤ 3Step)

Optical lens [2]:

- IESNA Type II (medium) beam or 360degree beam
- Applicable for European P-class standard pedestrian lighting and M-class roads
- Amber lenses cut down the blue light spectrum from white light LEDs to provide safer lighting for night-time surroundings and create biologically sustainable lighting

Anti-glare cone [3]:

- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated
- Glare-free above the light aperture

Bollard & Accessories:

- Housing Material: aluminum profile [4]
Customized made finish color is available on request
- Fastener: SUS 316 stainless steel [5]
- Base plate: mounting accessories [6]

Options:

- Dimming: 0-10V, DALI, TRIAC (ELV)
- Optional R/G/B luminous accent
- Motion sensor
- Emergency backup



Ø152×H250mm



Ø152×H600mm



Ø152×H1000mm



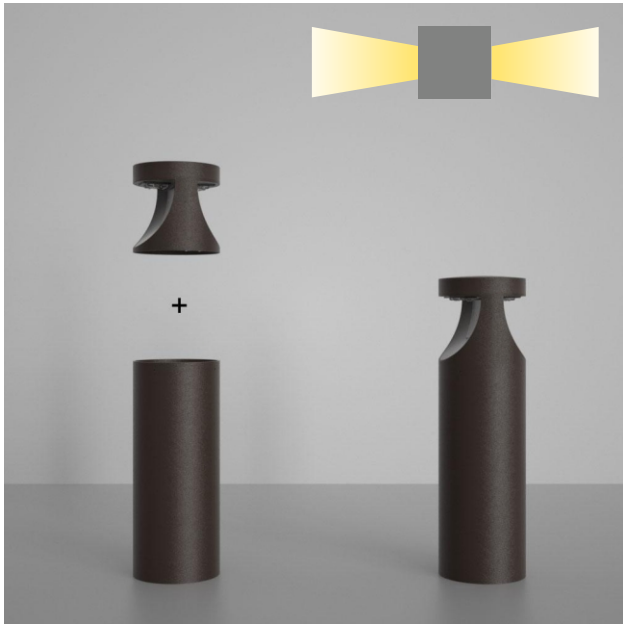
RAL FINISH
ON REQUEST

Unique Features

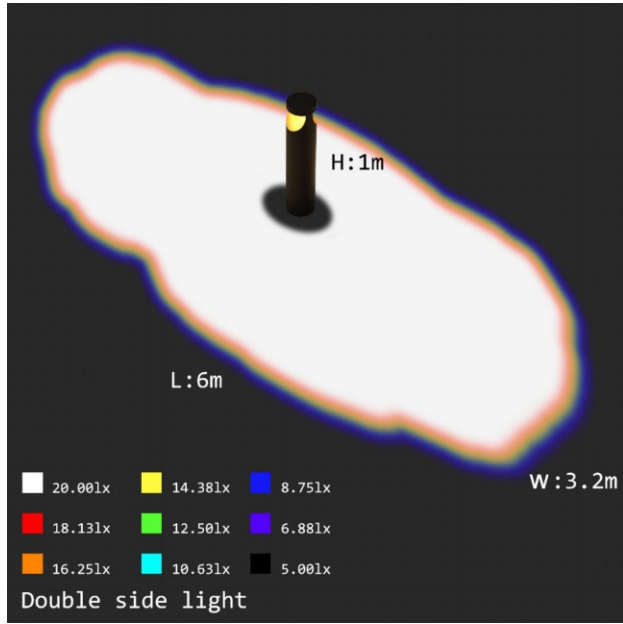
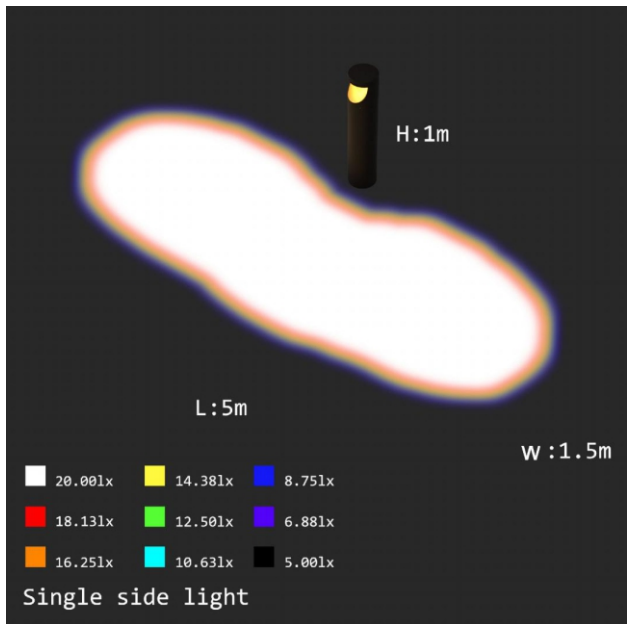
Modular design / Single side light and double sides light



Single side light (Path lighting)

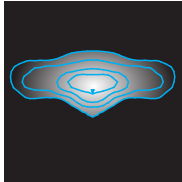
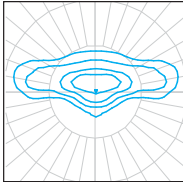


Double sides light(Area lighting)



Different Optics and Light Distribution Curve for Options (Note: for Luna Park-Series LED Bollard Lights only):

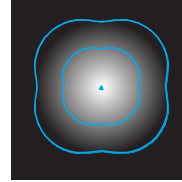
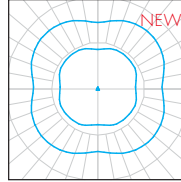
Type II Distribution



T2 Optic (standard)

The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.

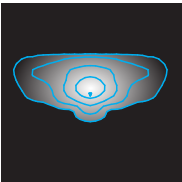
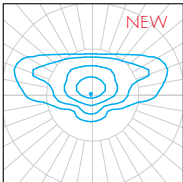
Type V Distribution



T5 Optic

The Type V optic produce a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candle power that is essentially the same at all lateral angles. It is meant for large, commercial parking lighting as well as areas where sufficient, evenly distribution light is necessary.

Type III Distribution

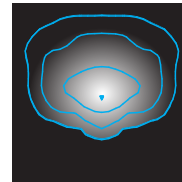
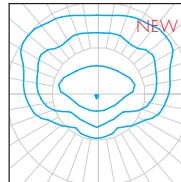


T3 Optic

The type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.

Type III light distributions have a preferred lateral width of 40°. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.

Type IV Distribution

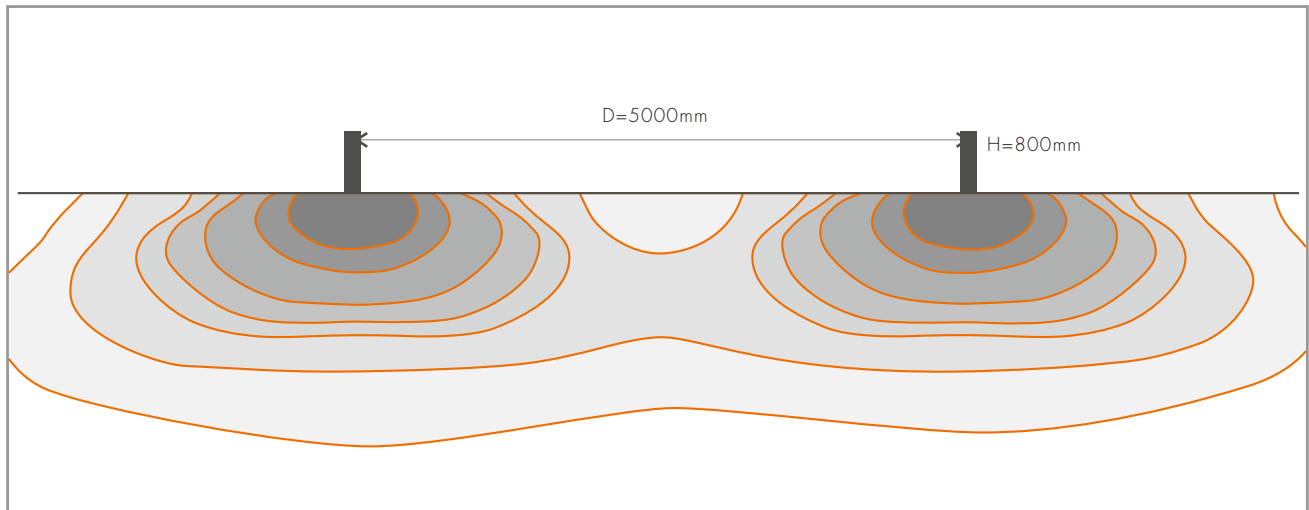


T4 Optic

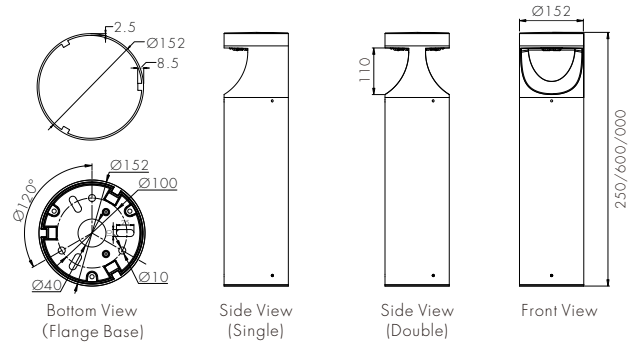
The type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90° to 270°.

Type IV light distributions have a preferred lateral width of 60°. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.

Asymmetrical Light Distribution



Model No.: 17LA (Single/12W) / LCL-17LB(Double/24W)



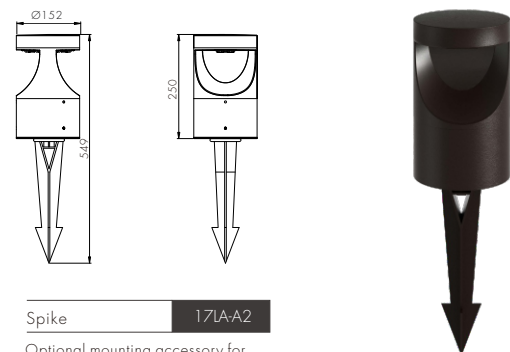
Technical Specifications

Item Number	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
17LA-104	ON/OFF, 0-10V, DALI	2700K, 3000K, 4000K, 5000K	4x3W CREE or LUMILEDS LED	Standard Type II, (Optional Typ III, Type IV, Type V)	220-240VAC (120-277VAC)	12	Cool white=960 Warm white=816	06
7LB-108	ON/OFF, 0-10V, DALI	2700K, 3000K, 4000K, 5000K	8x3W CREE or LUMILEDS LED	Standard Type II, (Optional Typ III, Type IV, Type V)	220-240VAC (120-277VAC)	24	Cool white=1920 Warm white=1632	06

Material Specifications

Housing:	Die-casting aluminum, No-Rinse surface treatment; Double Powder Coated Bronze or Black finish
Lens:	Amber lens, efficiency≥90%
LED:	High Power SMD LED, Brands: Cree, Lumileds and etc. 3-step MacAdam; Life time: L70: >60,000 Hours; CRI80+ (or CRI90+ is available)
Driver:	Integral Driver (with integral transient 2.5kV surge protection) 220-240V (or 120-277V) input, Constant current output
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 3x0.75mm ² , L=0.5m
Fastener:	SUS 316 Stainless Steel
Mounting Part:	Flange base (Die-casting aluminum), (Optional) buried base
Control Support (Optional):	Basic ON/OFF, Optional DALI, 0/1-10V, TRIAC(ELV) dimming
Performance for options:	Emergency Back-up Motion sensor R/G/ or B Decorative strip

Warning: Please inform us when the luminaire is used in corrosive environment before placing order.

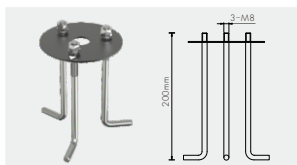


Spike 17LA-A2

Optional mounting accessory for bollard light in 250mm height
Material: PC

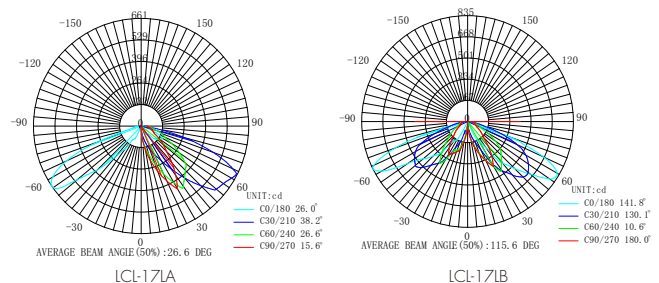
*Need to be purchased separately

Optional Accessories



Concrete anchor 17LA-A1

Optional mounting accessory
Mounting plate with 3-threaded bar and fixing nuts M8
Material: stainless steel
*Need to be purchased separately



Post Top Luminaire - Luna Park Series:





Model No.: 17PA (Single) / 17PB(Double) | Laugh Series Post Top Light



Units:mm

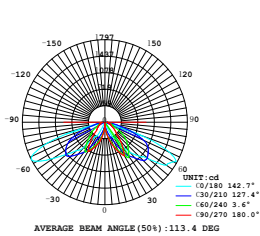
Material Specifications

Housing:	Die-casting aluminum, No-Rinse surface treatment; Double Powder Coated Bronze or Black finish; Height available in 3~4meters or other customize made height
Lens:	Amber lens, efficiency≥90%
LED:	High Power SMD LED, Brands: Cree, Lumileds and etc. 3-step MacAdam; Life time: L70: >60,000 Hours; CRI80+ (or CRI90+ is available)
Driver:	Integral Driver: 120-277V input, Constant current output Voltage protection: 10kV in Common Mode (CM), 6kV in Differential Mode (DM)
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 3x0.75mm², L=0.5m
Fastener:	SUS 316 Stainless Steel
Mounting Part:	buried base
Control Support (Optional):	Basic ON/OFF, Optional DALI, 0/1-10V, TRIAC[ELV] dimming
Performance for options:	Emergency Back-up Motion sensor

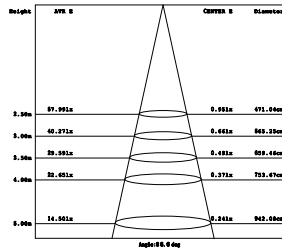
Warning: Please inform us when the luminaire is used in corrosive environment before placing order.

Photometric Data 48W

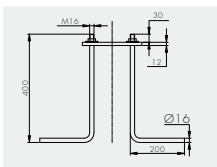
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANE



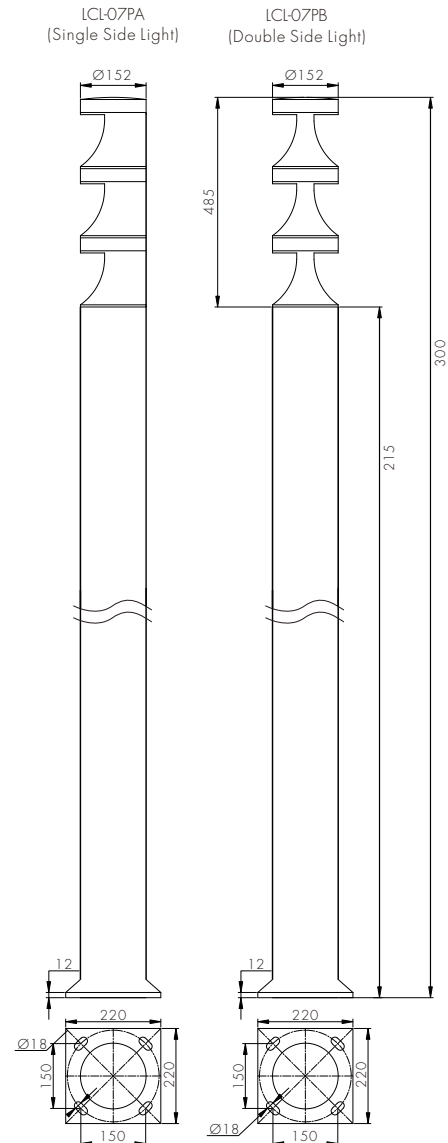
AVERAGE AND CENTER E FIGURE



Optional Accessories



Concrete anchor 07PA-A1
 Optional mounting accessory
 Mounting plate with 4-threaded bar and fixing nuts M16
 Material: stainless steel
 *Need to be purchased separately



Technical Specifications

Item Number	Height (meters)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
17PA-108	3m, 3.5m, or others	ON/OFF, 0-10V, DALI, ELV	2700K, 3000K, 4000K, 5000K	8x3W CREE or LUMILEDS LED (2 Modules, 3LEDs/MODULE)	Standard Type II, (Optional Typ III, Type IV, Type V)	220-240VAC (120-277VAC)	24	Cool white=1920 Warm white=1632	06
17PA-112	3m, 3.5m, or others	ON/OFF, 0-10V, DALI, ELV	2700K, 3000K, 4000K, 5000K	12x3W CREE or LUMILEDS LED (3 Modules, 3LEDs/MODULE)	Standard Type II, (Optional Typ III, Type IV, Type V)	220-240VAC (120-277VAC)	36	Cool white=2880 Warm white=2448	06
17PB-116	3m, 3.5m, or others	ON/OFF, 0-10V, DALI, ELV	2700K, 3000K, 4000K, 5000K	16x3W CREE or LUMILEDS LED (4 Modules, 3LEDs/MODULE)	Standard Type II, (Optional Typ III, Type IV, Type V)	220-240VAC (120-277VAC)	48	Cool white=3840 Warm white=3264	06
17PB-124	3m, 3.5m, or others	ON/OFF, 0-10V, DALI, ELV	2700K, 3000K, 4000K, 5000K	24x3W CREE or LUMILEDS LED (6 Modules, 3LEDs/MODULE)	Standard Type II, (Optional Typ III, Type IV, Type V)	220-240VAC (120-277VAC)	72	Cool white=5760 Warm white=4896	06

ECLIPSE LUNA PARK SERIES:











Eclipse Luna Park Series

LED BOLLARD LIGHTS

Upper Cover [1] :

- Grafit m
- Corrosion resistant casting aluminum, no-rinse surface treatment
- Double powder-coated
- Optimized surface for reduced accumulation of dirt

LED Module [2] :

- High power LEDs
- Color or CCT(K): warm white 3000K, neutral white 4000K and 5000K, 6000K or others
- CRI 80+, optional CRI90+
- 3-step MacAdam (SDCM ≤ 3Step)

Light Window [3] :

- Temper glass ring

Anti-glare cone [4] :

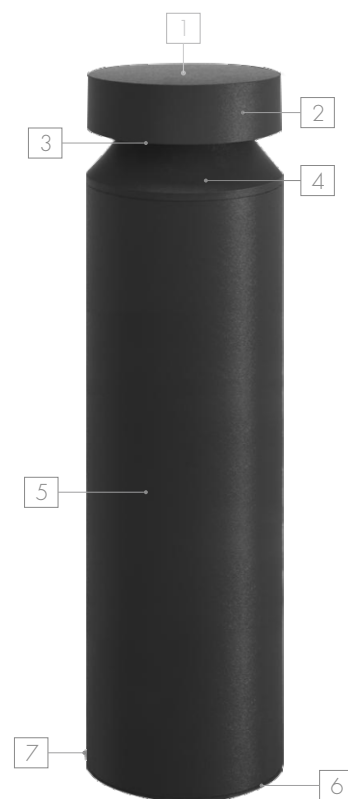
- Corrosion-resistant cast aluminum, No-Rinse surface treatment
- Double powder-coated
- Glare-free above the light aperture

Bollard & Accessories:

- Housing Material: aluminum profile, T=2mm [5]
- Customized made finish color is available on request
- Fastener: SUS 316 stainless steel [6]
- Base plate: mounting accessories [7]

Options:

- Dimming: 0-10V, DALI, TRIAC (ELV)



Ø152×H250mm



Ø152×H600mm



Ø152×H800mm

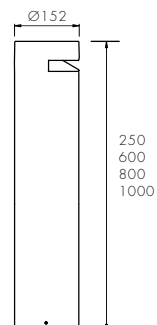
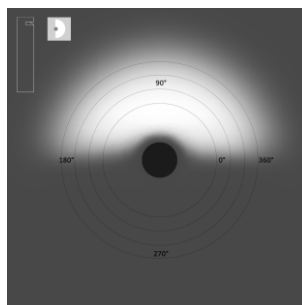
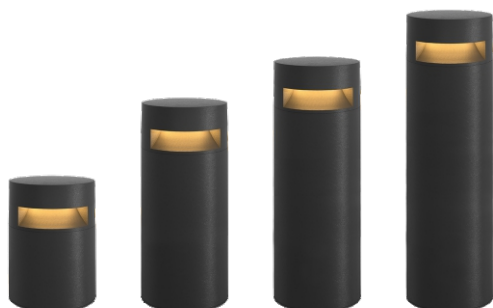


Ø152×H1000mm

Model No.: 17YA (12W/ 180°) | LED Bollard Light



Units:mm



Technical Specifications

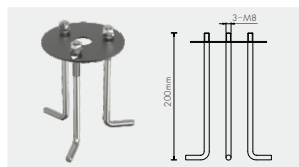
Item Number	Optional Height (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
17LA-124	250mm, 600mm, 800mm, 1000mm	ON/OFF, 0-10V, DALI	2700K, 3000K, 4000K, 5000K	24x0.5W CREE or LUMILEDS SMD LED	180°	220-240VAC (120-277VAC)	12W	Cool white=457 Warm white=388	09

Material Specifications

Housing:	Die-casting aluminum, No-Rinse surface treatment; Double Powder Coated Bronze or Black finish
Light Window:	Temper glass, efficiency≥90%
LED:	High Power SMD LED, Brands: Cree, Lumileds and etc. 3-step MacAdam; Life time: L70: >60,000 Hours; CRI80+ (or CRI90+ is available)
Driver:	Integral Driver, 120-277VAC input, Constant current output
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 3x0.75mm ² , L=0.5meter
Fastener(Screws):	SUS 316 Stainless Steel
Mounting Part:	Flange base (Die-casting aluminum), (Optional) buried base
Control Support (Optional):	Basic ON/OFF, Optional DALI, 0/1-10V, TRIAC(ELV) dimming

Warning: Please inform us when the luminaire is used in corrosive environment before placing order.

Optional Accessories



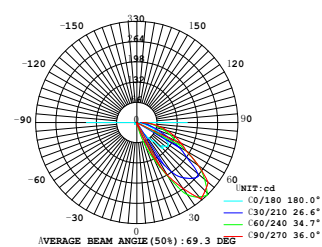
Concrete anchor 07YA-A1

Optional mounting accessory
Mounting plate with 3-threaded bar
and fixing nuts M8

Material: stainless steel

*Need to be purchased separately

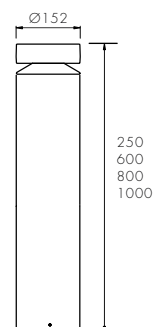
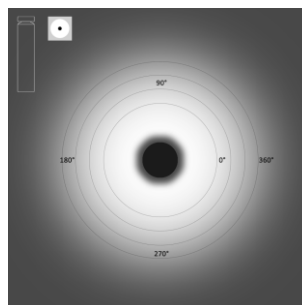
INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS



Model No.: 17YB (24W /360°) | LED Bollard Light



Units:mm



Technical Specifications

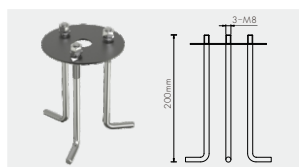
Item Number	Optional Height (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
17YB-148	250mm, 600mm, 800mm, 1000mm	ON/OFF, 0-10V, DALI	2700K, 3000K, 4000K, 5000K	48x0.5W CREE or LUMILEDS SMD LED	360°	220-240VAC (120-277VAC)	24W	Cool white=820 Warm white=697	09

Material Specifications

Housing:	Die-casting aluminum, No-Rinse surface treatment; Double Powder Coated Bronze or Black finish
Light Window:	Temper glass, efficiency≥90%
LED:	High Power SMD LED, Brands: Cree, Lumileds and etc. 3-step MacAdam; Life time: L70: >60,000 Hours; CRI80+ (or CRI90+ is available)
Driver:	Integral Driver, 120-277VAC input, Constant current output
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 3x0.75mm ² , L=0.5meter
Fastener(Screws):	SUS 316 Stainless Steel
Mounting Part:	Flange base (Die-casting aluminum), (Optional) buried base
Control Support (Optional):	Basic ON/OFF, Optional DALI, 0/1-10V, TRIAC(ELV) dimming

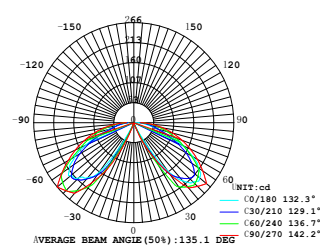
Warning: Please inform us when the luminaire is used in corrosive environment before placing order.

Optional Accessories



Concrete anchor 07YB-A1

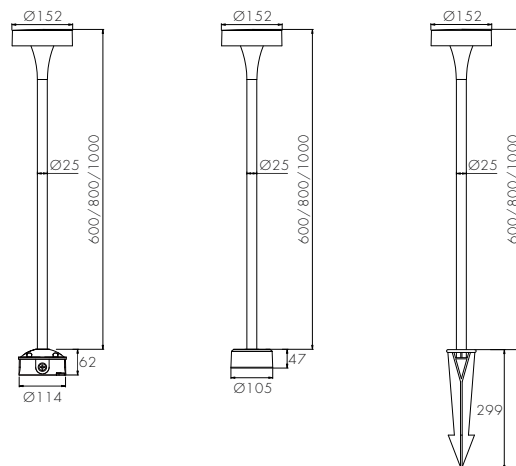
Optional mounting accessory
Mounting plate with 3-threaded bar
and fixing nuts M8
Material: stainless steel
*Need to be purchased separately

INTENSITY DISTRIBUTION DIAGRAM
IN C PLANS

Model No.: 17YC (10W/ 360°) | LED Bollard Light



Units:mm



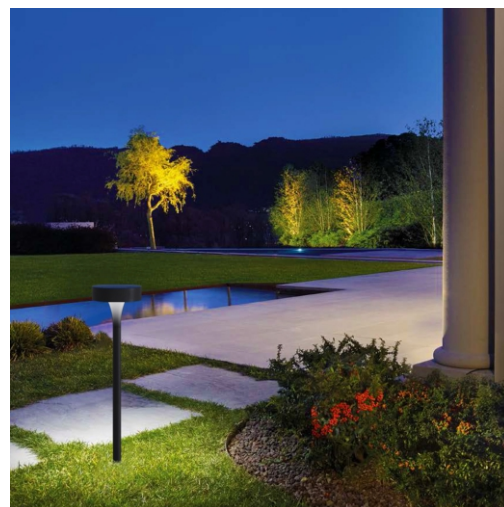
Technical Specifications

Item Number	Optional Pole Height (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Angle	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
17YC-124	600mm, 800mm, 1000mm	ON/OFF	2700K, 3000K, 4000K, 5000K	24x0.5W CREE or LUMILEDS SMD LED	360°	12/24VDC, 220-240VAC (120-277VAC)	10W	Cool white=369 Warm white=313	06

Material Specifications

Housing:	Die-casting aluminum, No-Rinse surface treatment; Double Powder Coated Bronze or Black finish
Light Window:	Light Guidance Ring Made of Optical Polymer, Efficiency≥90%
LED:	High Power SMD LED, Brands: Cree, Lumileds and etc. 3-step MacAdam; Life time: L70: >60,000 Hours; CRI80+ (or CRI90+ is available)
Driver:	Integral Driver, 120-277VAC input, Constant current output
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 3x0.75mm², L=0.5meter
Mounting Part (Optional):	PC Spike, Round Flange base, Round base

Warning: Please inform us when the luminaire is used in corrosive environment before placing order.



Optional Accessories



PC Spike 07YCA1

Material: PC
For ground stake mounting

Round Flange Base 07YC-A2

Material: Aluminum alloy
For surface mounting

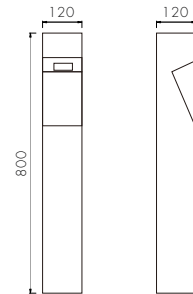
Round Base 07YC-A3

Material: Aluminum alloy
For surface mounting
Note: Please inquire separately before ordering.

Model No.: 17XA (10W) | LED Bollard Light



Units:mm



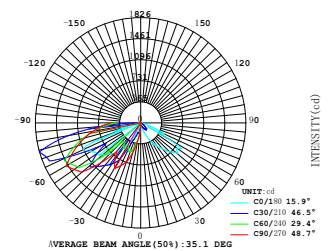
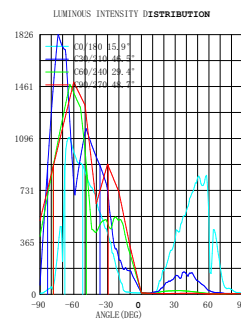
Technical Specifications

Item Number	Optional Pole Height (mm)	Optional Control Mode	Light Color or CCT (K)	Light Source	Beam Type	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IK Rate
17XA-124	600mm, 800mm, 1000mm	ON/OFF	2700K, 3000K, 4000K, 5000K	12x1W CREE 3030 LED	Type II, Type V, Type IV	220-240VAC (120-277VAC)	10W	Cool white=900 Warm white=765	06

Material Specifications

Housing:	Die-casting aluminum, No-Rinse surface treatment; Double Powder Coated Black finish.
Light Window:	Optical Polymer, Efficiency≥90%
LED:	High Power SMD LED, Brands: Cree, Lumileds and etc. 3-step MacAdam; Life time: L70: >60,000 Hours; CRI80+ (or CRI90+ is available)
Driver:	Integral Driver, 120-277VAC input, Constant current output
Operating Temperature:	-20°C~+40°C
Power Cable:	H05RN-F 3x0.75mm², L=0.5meter
Mounting Part:	Square Flange base(order separately)
Control Support:	ON/OFF, DALI, 0-10V, TRIAC, DMX512

Warning: Please inform us when the luminaire is used in corrosive environment before placing order.



Optional Accessories

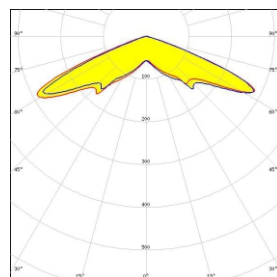


Square Flange Base 07YB-A1

Plate Size: 113x113x30mm
 120 mm flange to be fixed in concrete with stainless steel screws for fixing in the ground.

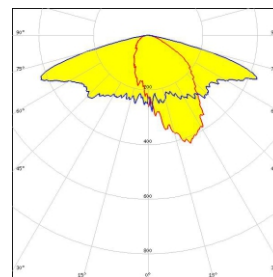
*Need to be purchased separately

Type V



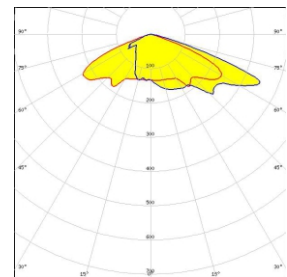
IESNA Type V (square) beam for wide areas (e.g.: car parks)

Type II



IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads.

Type IV



IESNA Type IV for wider roads and area lighting like car parks and yards.



Lighting Technology & Control Pty Ltd
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Office: 1300 832 372
Email: sales@lighttc.com.au
Address: Unit 34/50-62 Cosgrove Road,
South Strathfield.NSW. 2136 Australia