



3BROTHERS
BIG, BRILLIANT, BRIGHT



19OUTDOOR
NEW CATLOGUE



3BROTHERS
BIG, BRILLIANT, BRIGHT



3Brothers LED Catalogue is a working document for all Electrical Engineers, Lighting Planners and Designers. It provides full information on technical and lighting data regarding our full range of luminaires, their possible areas of application as well as their constructive and design quality.

3Brothers is the partner of all Lighting Planners and Designers; a reliable and performant supplier of Dealers and Project Managers

OUTDOOR LIGHTING



About 3Brothers

3Brothers is one of the leading lighting manufacturers in Egypt and the MENA region that has been established in 1990 and has now reached after 26 years to rule more than 30% of the Egyptian market with 2 huge factories in the 10th of Ramadan industrial area. With its unique Die cast abilities and high quality laboratories 3Brothers offers their partners and clients more than just a lighting fixture, we offer you a design tool with an architectural look all without any compromise in the lifetime and quality.

Vision

3Brothers Company seeks to deepen the awareness of lighting and its practical applications in the form of leading products.

It aims to make change in the concept of community about lighting. 3Brothers reflects the latest discoveries of this science and its applications.

Mission

3Brothers is an industrial and trading company which seeks to deliver and provide integrated solutions in the field of lighting with its products and applications. It exerts plenty of efforts to develop the products and applications for our lighting consultants' usage and the final consumer in Egypt and the Arab region.

OUTDOOR LIGHTING

Product lines

3Brothers advanced lighting system brings out the best in your environment and is the ideal lighting solution if you are looking to enhance the ambience and atmosphere in any room or space.

With the freedom to create the perfect lighting scenes for home, business or outdoor environments, 3Brothers is the obvious choice for those who value quality and confidence of operation.

Indoor range: LED and conventional Down Lights, Task lighting, LED panels, Fluorescent fixtures, Industrial Lighting, Emergency lights

Outdoor range: Steplights, Uplights, Floodlights, Spikes, Wall washers, Wall mounted luminaires, Bollards, Poles, Urban luminaires

We are enthusiastic about dealing with the best OEM, providing us with the highest quality aiming to achieve the customers' satisfaction.

Services:

3Brothers offers several trainings and seminars to provide the clients with profound product knowledge, detailing specifications and applications of various products covering internal, external lighting and LED products.

3Brothers also offers their esteemed clients with free of charge service of designing and planning projects using one of the best lighting design and simulation programs, Relux.

Our services include training courses about:

1-Lighting design program (RELUX)

2-Landscape lighting

3-Light sources

4-Light physics.

3Brothers also offer the lighting design for free to support 3brothers' customers.

OUTDOOR LIGHTING

Labs




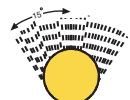

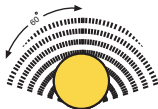
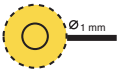


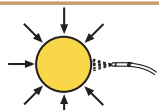

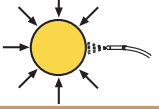


3Brothers guarantees that all its luminaires are tested according to the latest standards and with the highest technology equipment. All our products are tested twice, first at our accredited labs to ensure no low quality products are on the manufacturing line, then we test at ELTM “Egyptian Lab for Technical Measurements” which is accredited by the EGAC with (ISO/IES 17025:2005) which enables us to have a 3rd party testing lab to ensure our quality is always more than the standards.



OUTDOOR LIGHTING

ENCLOSURE PROTECTION CLOSSES

IEC - DEGREE OF PROTECTION

IP	1ST REFERENCE NUMBER		IP	2ND REFERENCE NUMBER	
0		No protection	0		No protection
1		Protected against solid bodies larger than 50 mm (eg : accidental contact with the hand)	1		Protected against vertically - falling drops of water (condensation)
2		Protected against solid bodies larger than 12 mm (eg : finger)	2		Protected against drops of water falling at up to 15° from the vertical
3		Protected against solid bodies larger than 2.5 mm (eg : tools, wires)	3		Protected against drops of rain water falling at up to 60° from the vertical
4		Protected against solid bodies larger than 1 mm (fine tools and small wires)	4		Protected against jets of water from all directions
5		Protected against dust (no harmful deposit)	5		Protected against jets of water from all directions
6		Completely protected against dust	6		Protected against jets of water of similar force to heavy seas
<p>The contents of the above chart are for guidance only. If you have any doubts about interpreting the mentioned information, please refer to the standard.</p>			7		Protected against the effects of immersion
			8		Protected against prolonged effects of immersion under pressure

This degree of protection is according to IEC - 529 standard

GARDEN & PATH LIGHTING



PRODUCT APPLICATION

Since light attracted people outdoors, lighting fixtures did not just provide lighting, it also became a beautiful component of town architecture, lighting fixtures are beautiful day and night. There are many groups of different models, all of them are cast in aluminium and manufactured in a modern production plant using production methods which guarantee the highest quality

The most usual combinations are shown in figures .

3Brothers lanterns and lanterns' families, bollards, fountain lighting, swimming pool lighting, flood lighting,....all these products are available in a vareity of shapes and sizes.

3Brothers lanterns and globes are unquily designed and manufactured to provide you a qualified product with the following benefits and features :

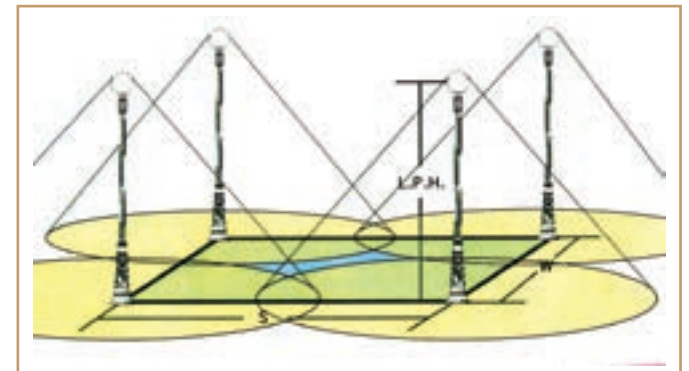
- protected against corrosion and extreme weather and vandal resistant sphere for globes .
- Good finishing.
- cast aluminium processed before, for protecting globes .
- Very strong polyster paint which is hardened in an oven .
- Unbreakable polycarbonate or acrylic lamp glass .
- Heavy duty base made from cast aluminium .
- High thermal and impact resistant.
- Screws made of galvanized steel brass plated .
- Available for symetrical reflectors:-

Has been designed for large areas and for approximately equal width for parks, car parks, squares, etc

L . P . H = Light point height

W = Path width

S = Spacing between lanterns



GARDEN & PATH LIGHTING



PRODUCT APPLICATION

Brackets

- Wall bracket with standing lantern or globe .
- Ceiling hanging lantern or globe.
- Post mounted lantern or globe with one lamp housing .
- Post mounted lantern or globe with two-lamp housing .
- Post mounted lantern or globe with three-lamp housing .
- Post mounted lantern or globe with four-lamp housing .
- Available in (black, white, gray, green)

Light source

Incandescent, Halogen, Compact fluorescent, Metal Halide, Mercury Vapour, High Pressure Sodium Lamps .
220 V - 50 Hz .

Lantern lens

Lantern lens is available in both clear and sandblasted glass .

Globes

Globes are made of polycarbonate or acrylic.

Requirements and tests

In order to realize and cover all aspects of safety (electrical, thermal and mechanical) we provide our laboratory production and assembly sections with very recent equipment and testers to assure high quality as well as safety for all its production from lighting fixtures .

The equipment and testers cover the safety requirements for luminaires according to IEC standard publication 598 -1 529 (IP code)

Application

For parking areas, private and public parks, gardens, paths, fences, flowerbeds, fountains, swimming pools, tourist resorts, villas, etc.....

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for walls and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

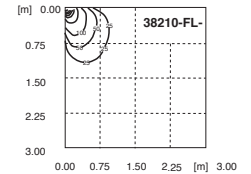
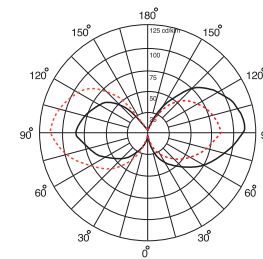
- **Post top lantern:** polycarbonate, thermal and impact resistant.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.

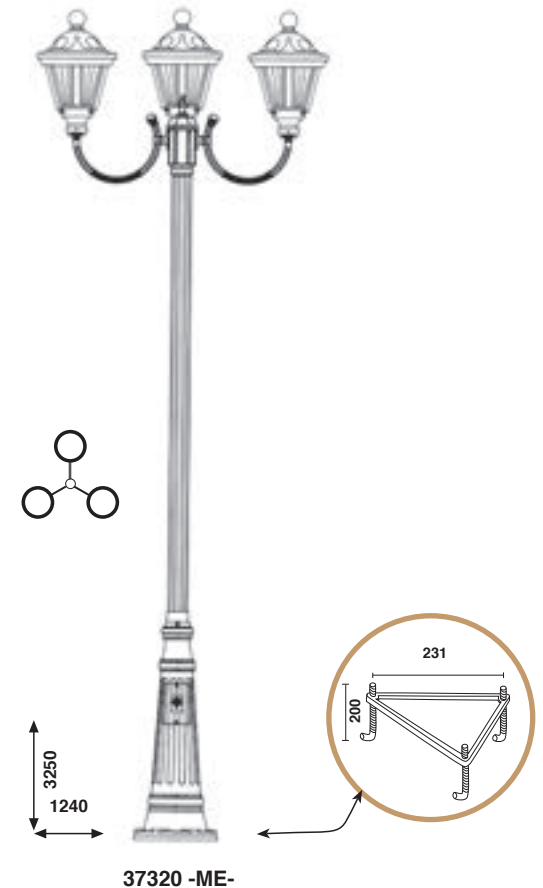


PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0

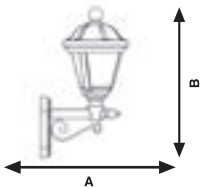
mounting height of lum. : 3.0 m
 plane of intensity distribution : 0



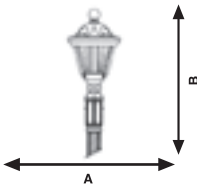
OUTDOOR LIGHTING



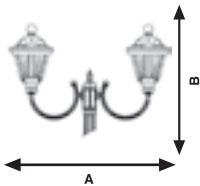
35241 -ME-



37300 -ME-



37310 -ME-



ART NO.	PRODUCT	LAMP	A	B
37300 -ME-	Column	160 W 230 V	380	3300
37310 -ME-	Column	160 W 230 V	1240	3250
37320 -ME-	Column	160 W 230 V	1240	3250
35241 -ME-	Wall lantern	160 W 230 V	530	900

OUTDOOR LIGHTING

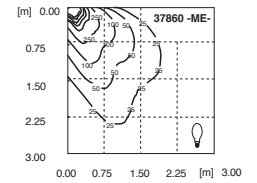
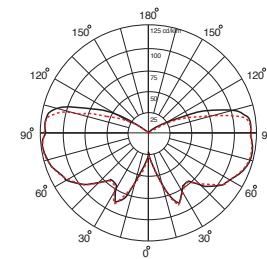
Lantern fixtures: available in very unique shapes and elegant designs for walls and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** polycarbonate, thermal and impact resistant.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.

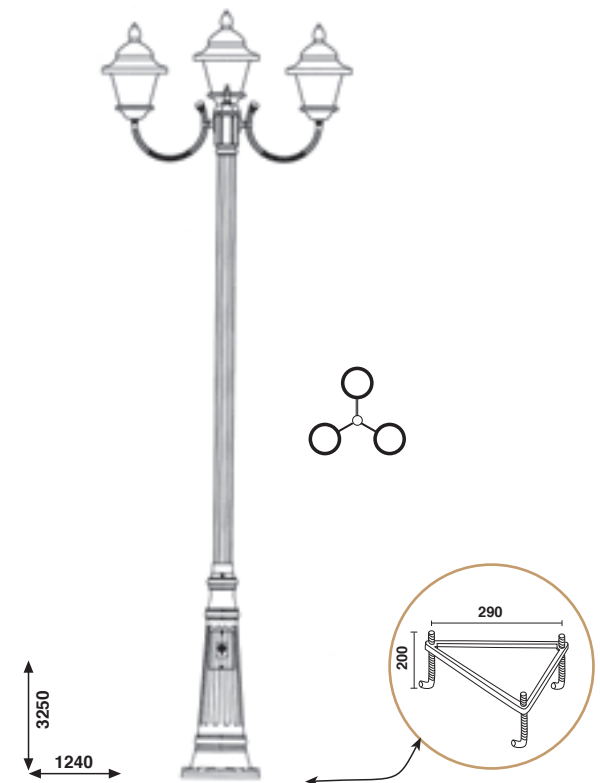


PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

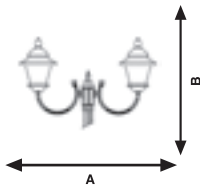


37880 -ME-

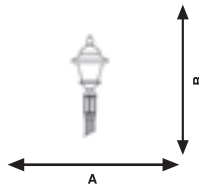
OUTDOOR LIGHTING



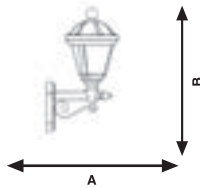
37870 -ME-



37860 -ME-



35260 -ME-



ART NO.	PRODUCT	LAMP	A	B
37880 -ME-	Column	160 W 230 V	1240	3300
37870 -ME-	Column	160 W 230 V	1240	3250
37860 -ME-	Column	160 W 230 V	380	3250
35260 -ME-	Wall lantern	160 W 230 V	525	900

OUTDOOR LIGHTING

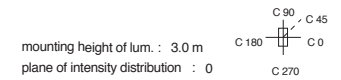
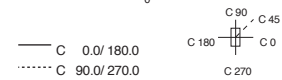
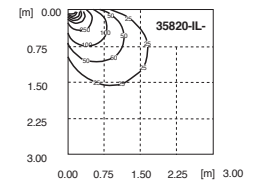
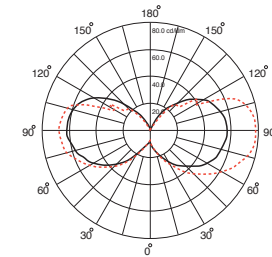
Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** sand-plasted glass.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors .



PRODUCT APPLICATION

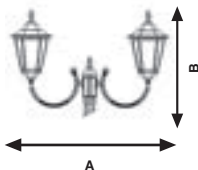


37130 -ME-

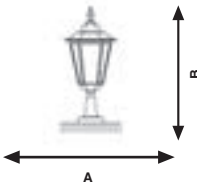
OUTDOOR LIGHTING



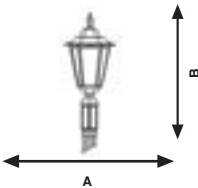
37120 -ME-



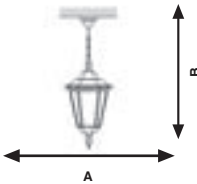
35820 -IL-



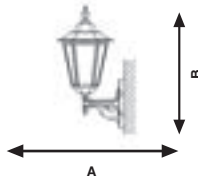
37110 -ME-



35920 -IL-



35215 -IL-



ART NO.	PRODUCT	LAMP	A	B
37110 -ME-	Column	160 W 230 V	310	3200
37120 -ME-	Column	160 W 230 V	1170	3150
37130 -ME-	Column	160 W 230 V	1170	3150
35215 -IL-	Wall lantern	100 W 230 V	370	680
35820 -IL-	Fence lantern	100 W 230 V	310	680
35920 -IL-	Suspended	100 W 230 V	310	1000

OUTDOOR LIGHTING

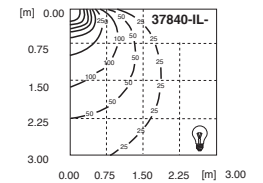
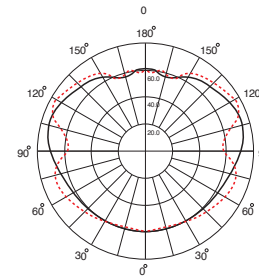
Lantern fixtures: available in very unique shapes and elegant designs for lamp-posts. The lamp-posts can be with single, double or triple globes.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** PMMA of 30 cm diameter.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

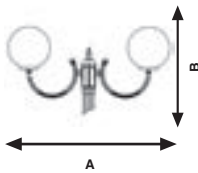
C 90 C 45
 C 180 C 0
 C 270



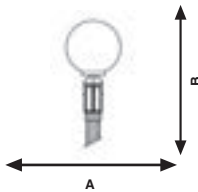
OUTDOOR LIGHTING



37835 -IL-



37830 -IL-



ART NO.	PRODUCT	LAMP	A	B
37830 -IL-	Column	100 W 230 V	300	3000
37835 -IL-	Column	100 W 230 V	1160	2950
37840 -IL-	Column	100 W 230 V	1160	2950

OUTDOOR LIGHTING

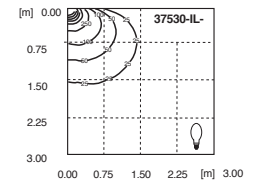
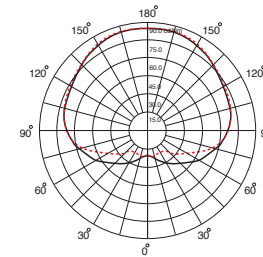
Lantern fixtures: available in very unique shapes and elegant designs for walls, fences and for lamp-posts with single, double, triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** opal glass sphere of 35 cm diameter.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

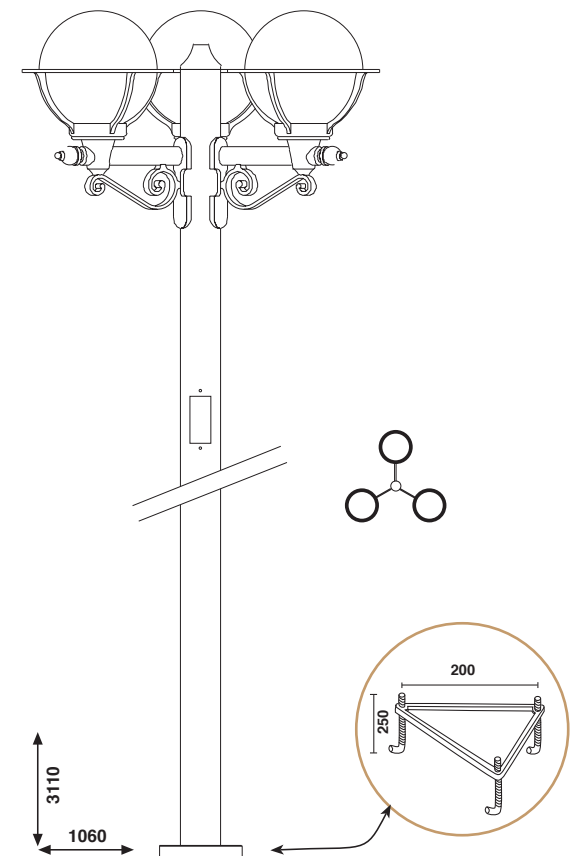


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 , C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

C 90 , C 45
 C 180 C 0
 C 270

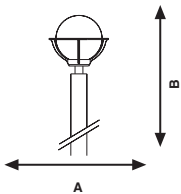


37530 -ME-

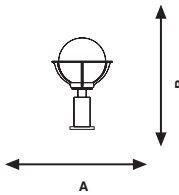
OUTDOOR LIGHTING



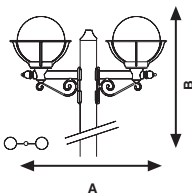
37510 -ME-



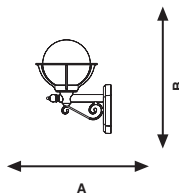
35410 -ME-



37520 -ME-



35060 -ME-



ART NO.	PRODUCT	LAMP	A	B
37530 -ME-	Column	160 W 230 V	1060	3110
37520 -ME-	Column	160 W 230 V	1155	3110
37510 -ME-	Column	160 W 230 V	450	3475
35060 -ME-	Wall lantern	160 W 230 V	551	688
35410 -ME-	Fence lantern	160 W 230 V	450	685

OUTDOOR LIGHTING

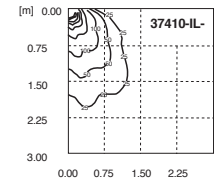
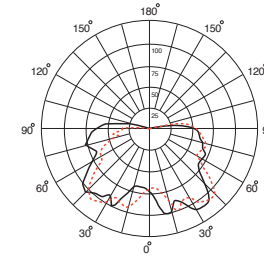
Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** polycarbonate with high thermal and impact resistant.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

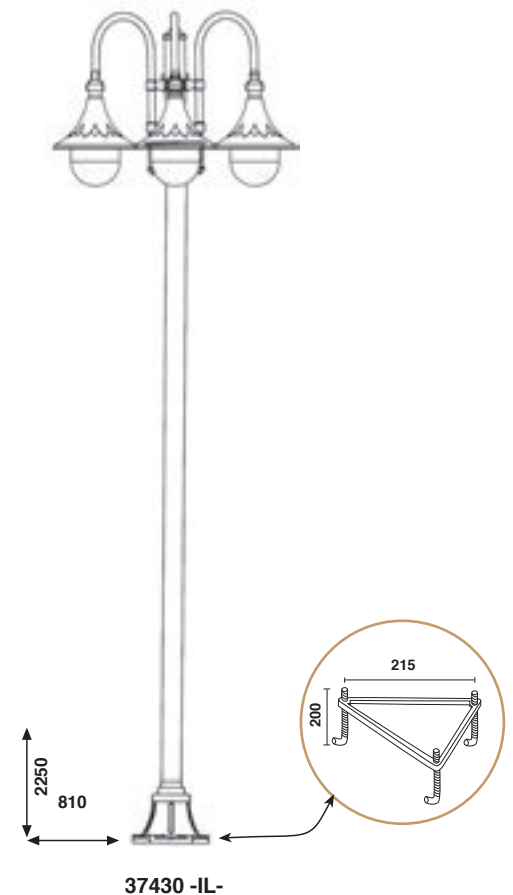


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

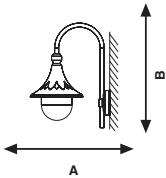
C 90 C 45
 C 180 C 0
 C 270



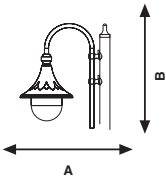
OUTDOOR LIGHTING



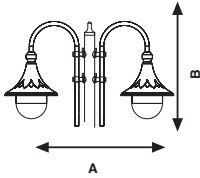
35070-IL-



37410-IL-



37420-IL-



ART NO.	PRODUCT	LAMP	A	B
35070 -IL-	CAPOLIE	60 W 230 V	377	495
37410 -IL-	COLUMN	60 W 230 V	380	2250
37420 -IL-	COLUMN	60 W 230 V	810	2250
37430 -IL-	COLUMN	60 W 230 V	810	2250

OUTDOOR LIGHTING

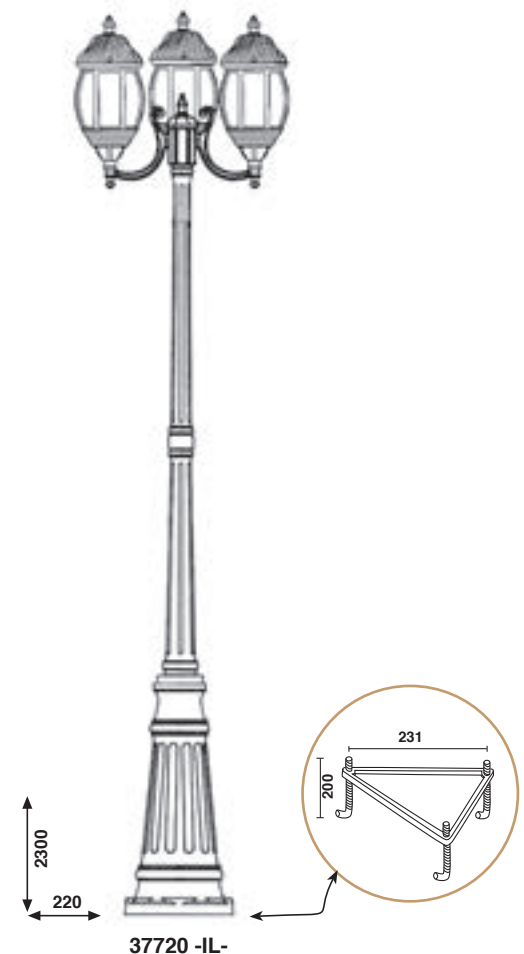
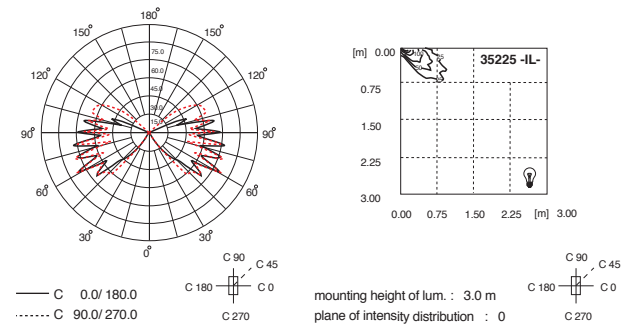
Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** polycarbonate with high thermal and impact resistant.

- **Protection degree:** IP 44.

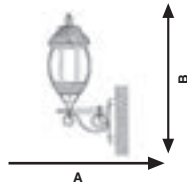
- **Color:** Available in black, white, grey and green colors.



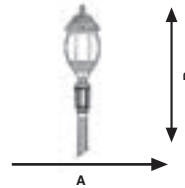
OUTDOOR LIGHTING



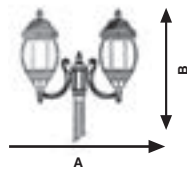
35225 -IL-



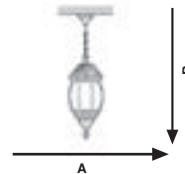
37700 -IL-



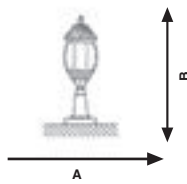
37710 -IL-



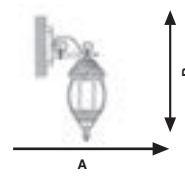
35960 -IL-



35860 -IL-



35226 -IL-



ART NO.	PRODUCT	LAMP	A	B
37700 -IL-	COLUMN	60 W 230 V	220	2300
37710 -IL-	COLUMN	60 W 230 V	600	2150
37720 -IL-	COLUMN	60 W 230 V	600	2150
35225 -IL-	WALL LANTERN	60 W 230 V	310	580
35226 -IL-	WALL LANTERN	60 W 230 V	310	580
35860 -IL-	FENCE LANTERN	60 W 230 V	180	590
35960 -IL-	SUSPENDED	60 W 230 V	180	1060

OUTDOOR LIGHTING

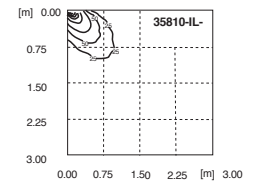
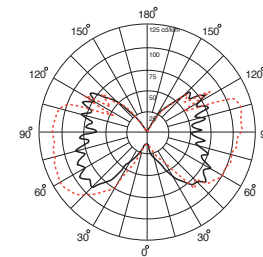
Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

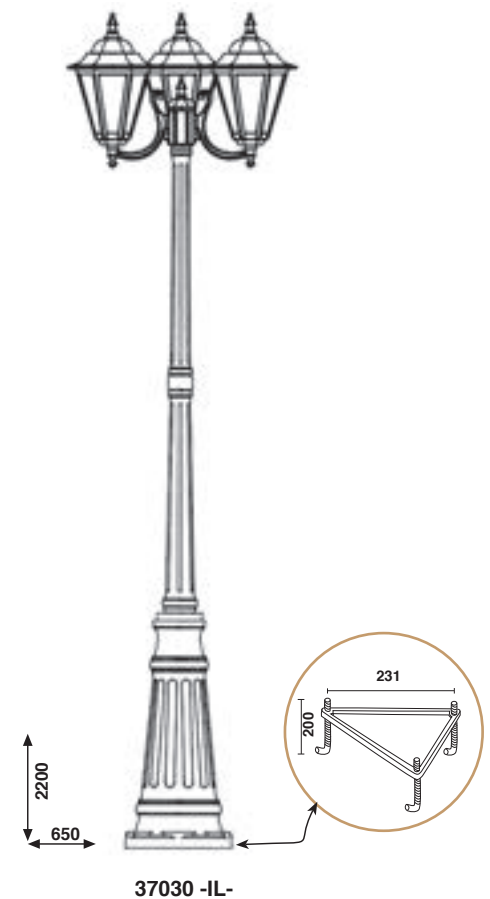
- **Post top lantern:** polycarbonate with high thermal and impact resistant.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



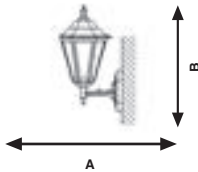
— C 0.0/ 180.0
 C 90.0/ 270.0
 C 90 C 45
 C 180 C 0
 C 270
 mounting height of lum. : 3.0 m
 plane of intensity distribution : 0
 C 90 C 45
 C 180 C 0
 C 270



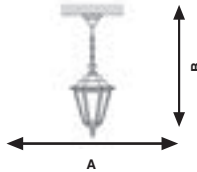
OUTDOOR LIGHTING



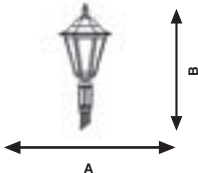
35210 -IL-



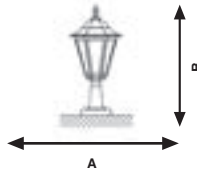
35910 -IL-



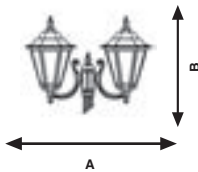
37010 -IL-



35810 -IL-



37020 -IL-



ART NO.	PRODUCT	LAMP	A	B
37010 -IL-	COLUMN	100 W 230 V	264	2350
37020 -IL-	COLUMN	100 W 230 V	650	2200
37030 -IL-	COLUMN	100 W 230 V	650	2200
35210 -IL-	WALL LANTERN	100 W 230 V	320	500
35810 -IL-	FENCE LANTERN	100 W 230 V	270	560
35910 -IL-	SUSPENDED	100 W 230 V	270	800



OUTDOOR LIGHTING

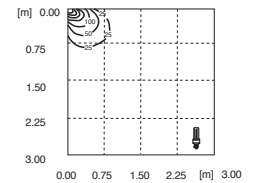
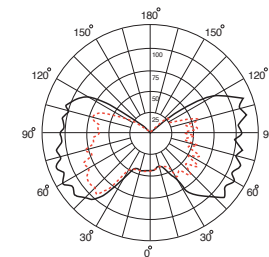
Lantern fixtures: available in very unique shapes and elegant designs for walls and lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium painted and covered with polyester varnish treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** polycarbonate with thermal and impact resistant.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

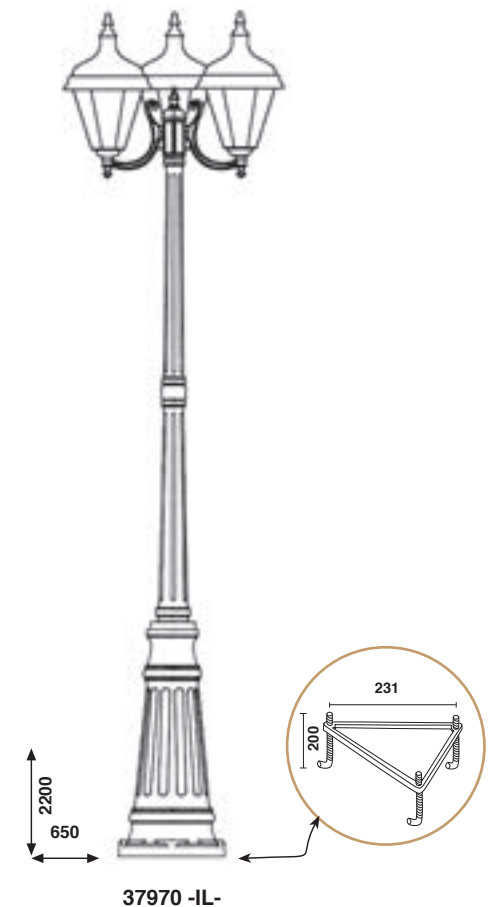


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

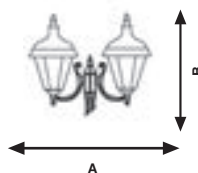
C 90 C 45
 C 180 C 0
 C 270



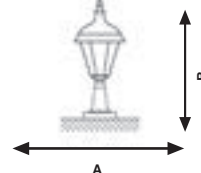
OUTDOOR LIGHTING



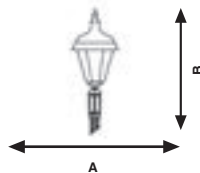
37960 -IL-



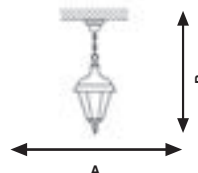
35870 -IL-



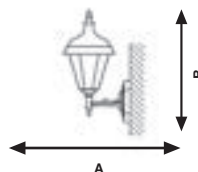
37950 -IL-



35980 -IL-



35250 -IL-



ART NO.	PRODUCT	LAMP	A	B
37950 -IL-	COLUMN	100 W 230 V	270	2350
37960 -IL-	COLUMN	100 W 230 V	650	2200
37970 -IL-	COLUMN	100 W 230 V	650	2200
35250 -IL-	WALL LANTERN	100 W 230 V	320	500
35870 -IL-	FENCE LANTERN	100 W 230 V	270	560
35980 -IL-	SUSPENDED	100 W 230 V	270	800

OUTDOOR LIGHTING

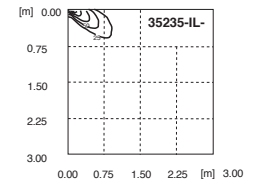
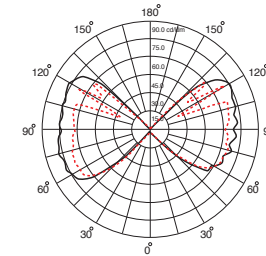
Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** clear polycarbonate with thermal and impact resistant
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

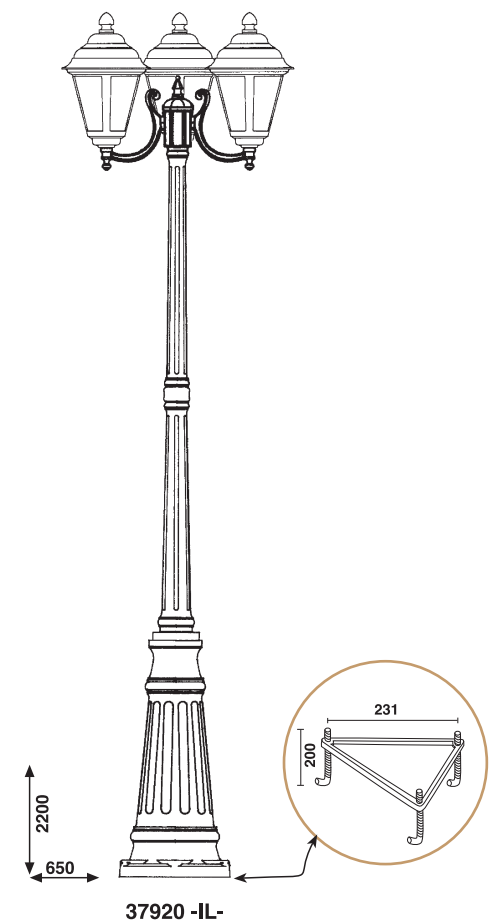


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

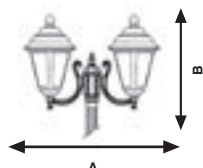
C 90 C 45
 C 180 C 0
 C 270



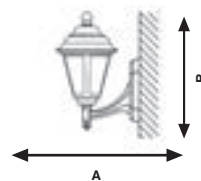
OUTDOOR LIGHTING



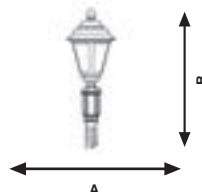
37910 -IL-



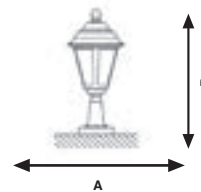
35235 -IL-



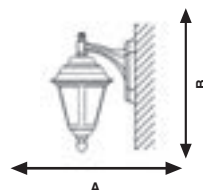
37900 -IL-



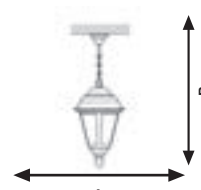
35835 -IL-



35236 -IL-



35935 -IL-



ART NO.	PRODUCT	LAMP	A	B
37900 -IL-	COLUMN	60 W 230 V	270	2350
37910 -IL-	COLUMN	60 W 230 V	650	2200
37920 -IL-	COLUMN	60 W 230 V	650	2200
35235 -IL-	WALL LANTERN	60 W 230 V	280	420
35236 -IL-	WALL LANTERN	60 W 230 V	280	420
35835 -IL-	FENCE LANTERN	60 W 230 V	270	560
35935 -IL-	SUSPENDED	60 W 230 V	270	930

OUTDOOR LIGHTING

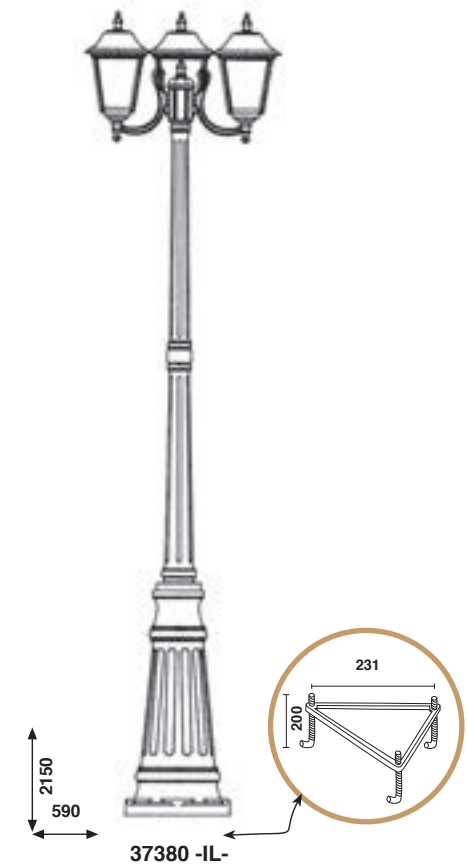
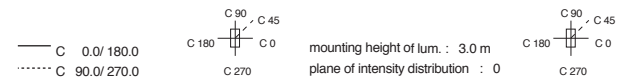
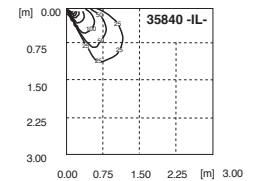
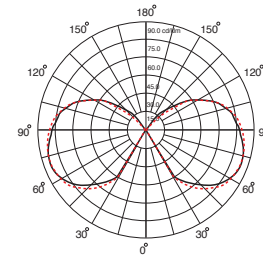
Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** sand-plasted glass.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



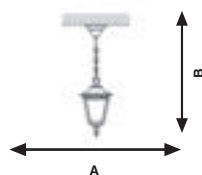
PRODUCT APPLICATION



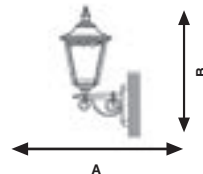
OUTDOOR LIGHTING



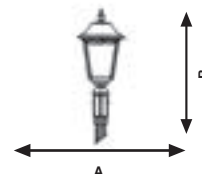
35940 -IL-



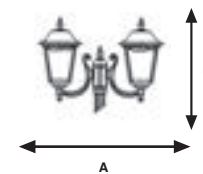
35220 -IL-



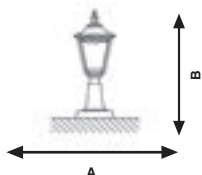
37360 -IL-









37370 -IL-



35840 -IL-



ART NO.	PRODUCT	LAMP	A	B
37360 -IL-	COLUMN	 100 W 230 V	210	2300
37370 -IL-	COLUMN	 100 W 230 V	590	2150
37380 -IL-	COLUMN	 100 W 230 V	590	2150
35220 -IL-	WALL LANTERN	 100 W 230 V	250	350
35840 -IL-	FENCE LANTERN	 100 W 230 V	170	450
35940 -IL-	SUSPENDED	 100 W 230 V	170	780

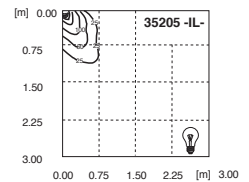
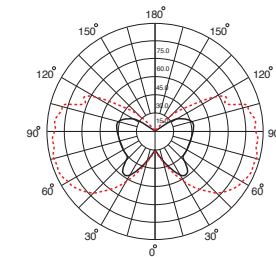


OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for ceilings, fences, walls with lantern housing upwards or downwards and for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** polycarbonate with thermal and impact resistant.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.

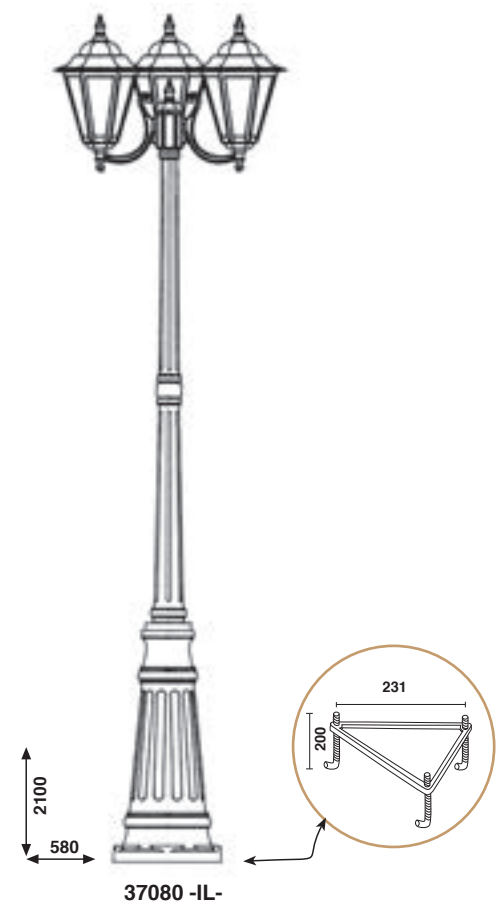


— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90
C 45
C 180
C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

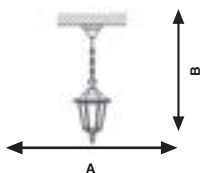
C 90
C 45
C 180
C 0
C 270



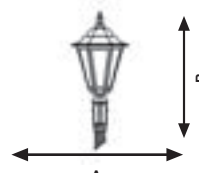
OUTDOOR LIGHTING



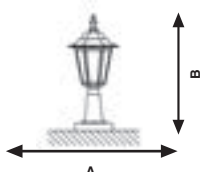
35900 -IL-



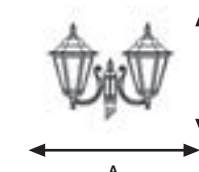
37060 -IL-



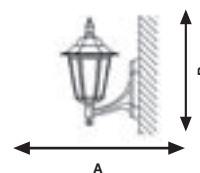
35800 -IL-



37070 -IL-



35205 -IL-



ART NO.	PRODUCT	LAMP	A	B
37060 -IL-	COLUMN	100 W 230 V	205	2250
37070 -IL-	COLUMN	100 W 230 V	580	2100
37080 -IL-	COLUMN	100 W 230 V	580	2100
35205 -IL-	WALL LANTERN	100 W 230 V	270	380
35800 -IL-	FENCE LANTERN	100 W 230 V	200	480
35900 -IL-	SUSPENDED	100 W 230 V	200	800

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for walls and fences.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

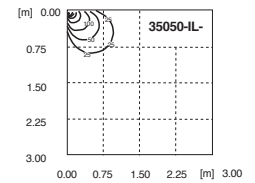
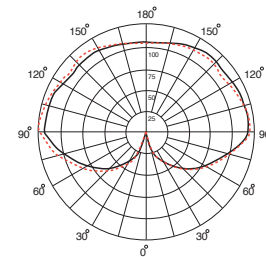
- **Post top lantern:** stabilized shatter-proof with opal glass sphere of 20 cm diameter.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

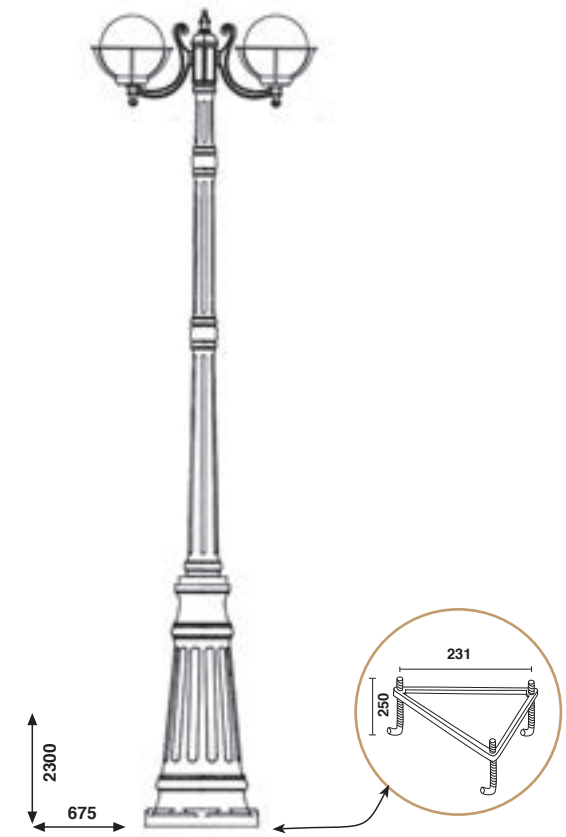


— C 180.0 / 0.0
..... C 270.0 / 90.0

C 90
C 45
C 180
C 270

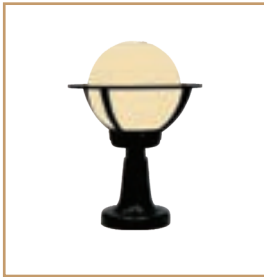
mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90
C 45
C 180
C 270

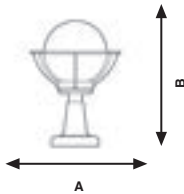


37561 -IL-

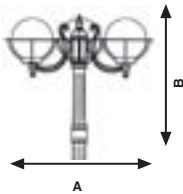
OUTDOOR LIGHTING



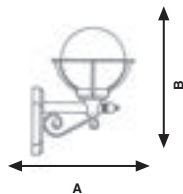
35404 -IL-



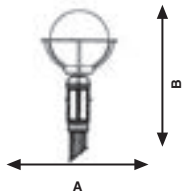
37562 -IL-



35050 -IL-



37560 -IL-



ART NO.	PRODUCT	LAMP	A	B
37560 -IL-	COLUMN	100 W 230 V	285	2450
37561 -IL-	COLUMN	100 W 230 V	675	2300
37562 -IL-	COLUMN	100 W 230 V	675	2300
35050 -IL-	WALL LANTERN	100 W 230 V	300	397
35404 -IL-	FENCE LANTERN	100 W 230 V	285	400

OUTDOOR LIGHTING

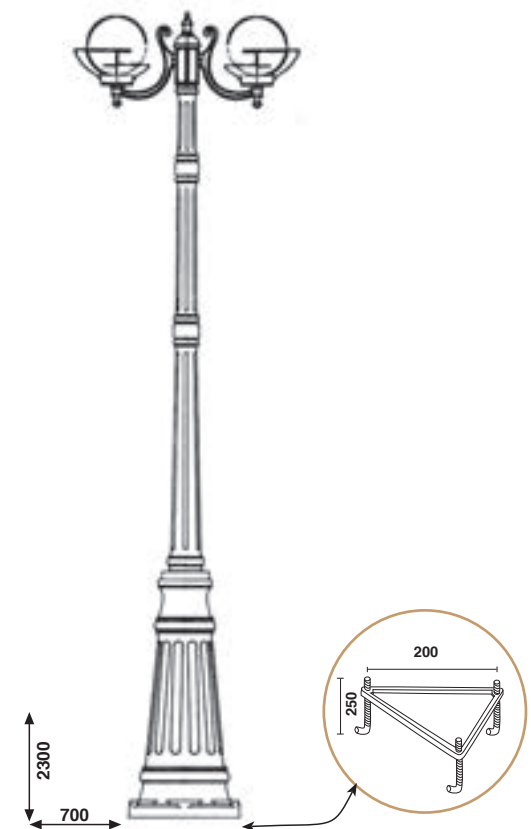
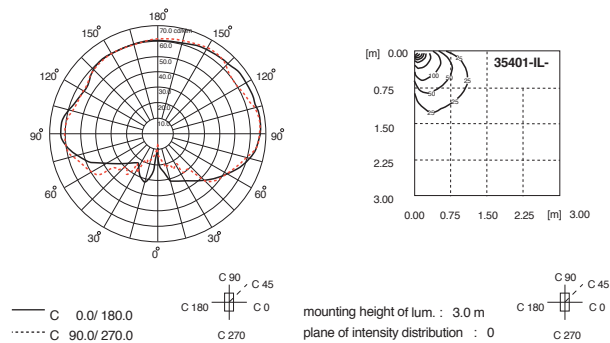
Lantern fixtures: available in very unique shapes and elegant designs for walls, fences and lamp-posts with single, double triple and quadrantal lanterns.

Body: made of die-cast aluminium, treated and painted with electrostatic powder coating for high corrosion resistance.

- **Post top lantern:** opal glass sphere of 20 cm diameter.
- **Protection degree:** IP 44.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

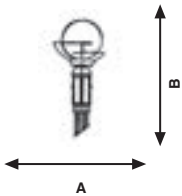


37551 -IL-

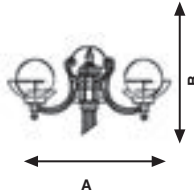
OUTDOOR LIGHTING



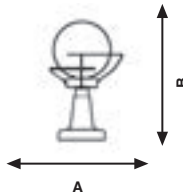
37550 -IL-



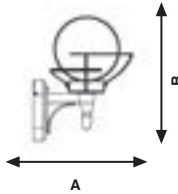
37552 -IL-



35401 -IL-



35051 -IL-



ART NO.	PRODUCT	LAMP	A	B
37550 -IL-	COLUMN	100 W 230 V	276	2450
37551 -IL-	COLUMN	100 W 230 V	700	2300
37552 -IL-	COLUMN	100 W 230 V	700	2300
35051 -IL-	WALL LANTERN	100 W 230 V	322	397
35401 -IL-	FENCE LANTERN	100 W 230 V	276	400

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for lamp-posts with single, double and triple lanterns.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

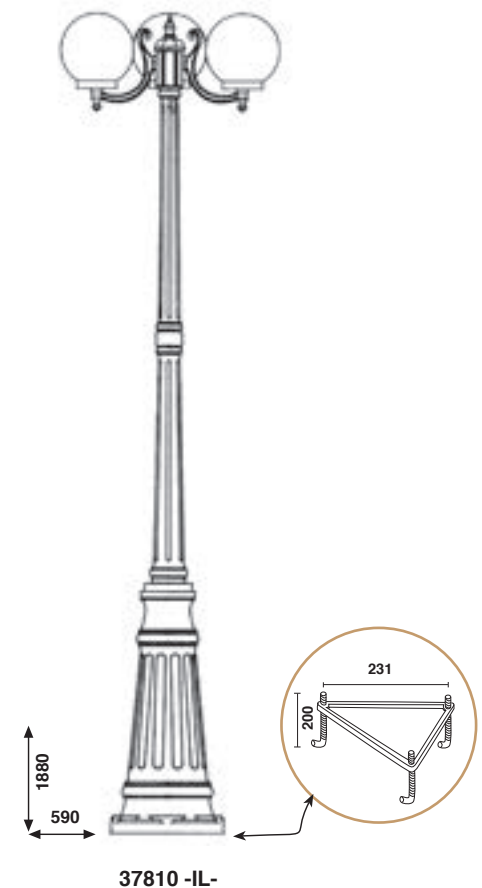
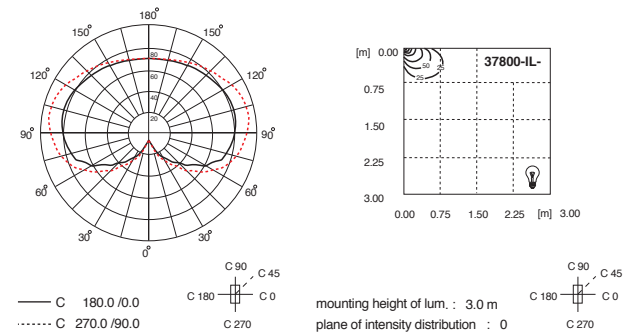
- **Post top lantern:** PMMA of 20 cm diameter, with high thermal and impact resistance.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.



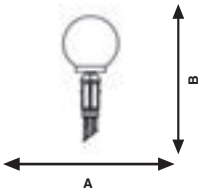
PRODUCT APPLICATION



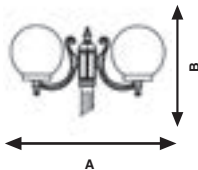
OUTDOOR LIGHTING






37800 -IL-



37805 -IL-



ART NO.	PRODUCT	LAMP	A	B
37800 -IL-	COLUMN	 60 W 230 V	200	2000
37805 -IL-	COLUMN	 60 W 230 V	590	1880
37810 -IL-	COLUMN	 60 W 230 V	590	1880



OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for lamp-posts with globe housing upwards or downwards, the lamp-posts can be with single, double and triple globes.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

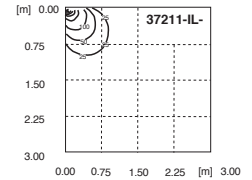
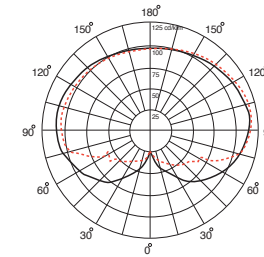
- **Post top lantern:** PMMA of 25 cm diameter with high thermal resistance.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

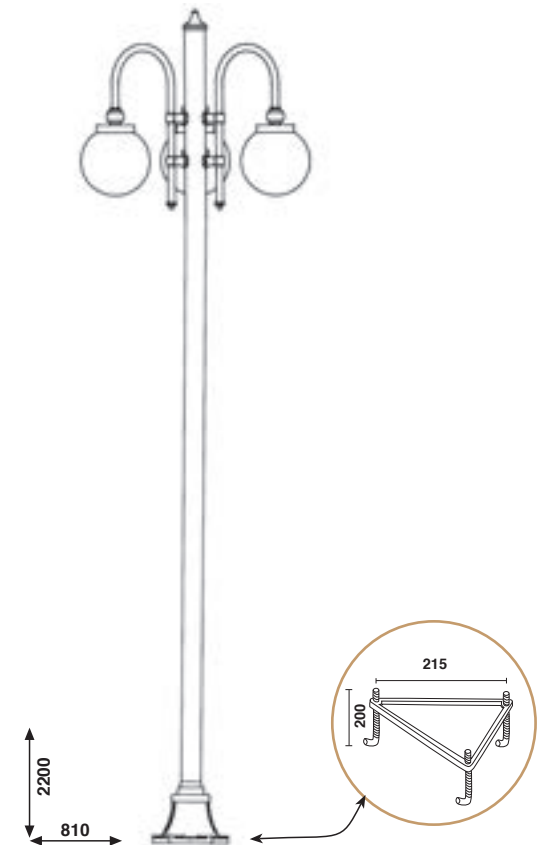


— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90
C 45
C 180
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90
C 45
C 180
C 270

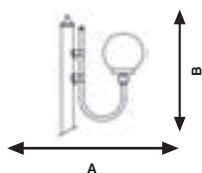


37236 -IL-

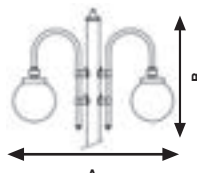
OUTDOOR LIGHTING



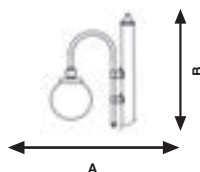
37211 -IL-



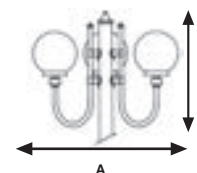
37226 -IL-



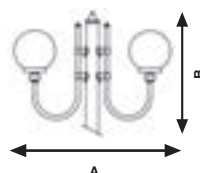
37216 -IL-



37231 -IL-



37221 -IL-



ART NO.	PRODUCT	LAMP	A	B
37211 -IL-	COLUMN	75 W 230 V	380	2200
37216 -IL-	COLUMN	75 W 230 V	380	2200
37221 -IL-	COLUMN	75 W 230 V	810	2200
37226 -IL-	COLUMN	75 W 230 V	810	2200
37231 -IL-	COLUMN	75 W 230 V	810	2200
37236 -IL-	COLUMN	75 W 230 V	810	2200

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for lamp-posts with globe housing upwards or downwards the lamp-posts can be with single, double and triple globes.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

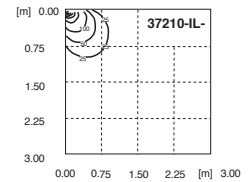
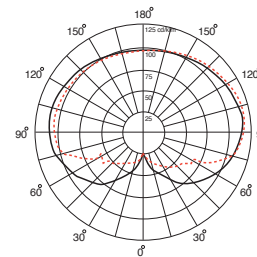
- **Post top lantern:** PMMA of 20 cm diameter with high thermal resistance.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION

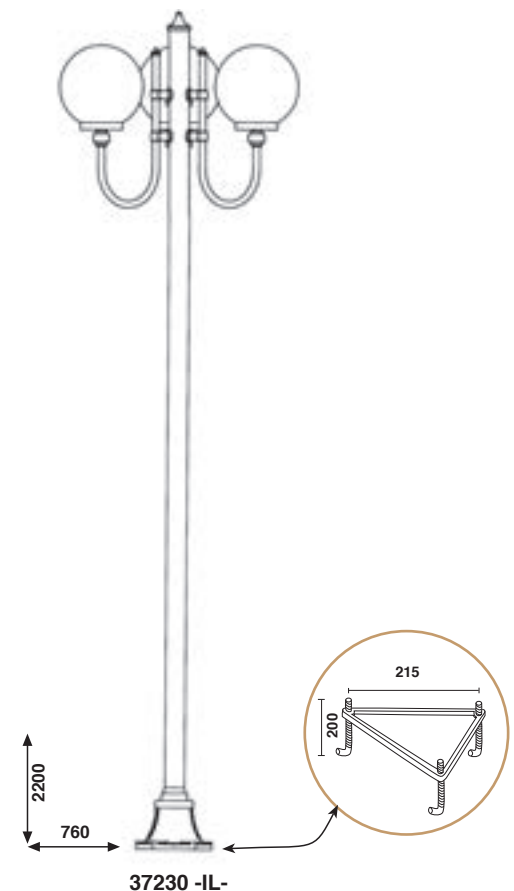


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

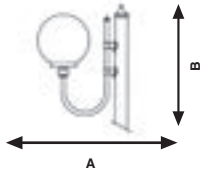
C 90 C 45
 C 180 C 0
 C 270



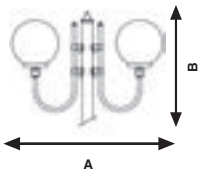
OUTDOOR LIGHTING



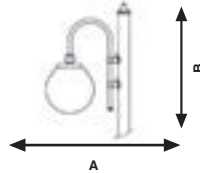
37210 -IL-



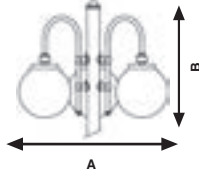
37220 -IL-



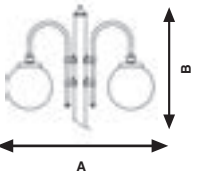
37215 -IL-



37235 -IL-



37225 -IL-



ART NO.	PRODUCT	LAMP	A	B
37210 -IL-	COLUMN	60 W 230 V	350	2200
37215 -IL-	COLUMN	60 W 230 V	350	2200
37220 -IL-	COLUMN	60 W 230 V	760	2200
37225 -IL-	COLUMN	60 W 230 V	760	2200
37230 -IL-	COLUMN	60 W 230 V	760	2200
37235 -IL-	COLUMN	60 W 230 V	760	2200



OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for lamp-posts with globe housing upwards or downwards. The lamp-posts can be with single, double and triple globes.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

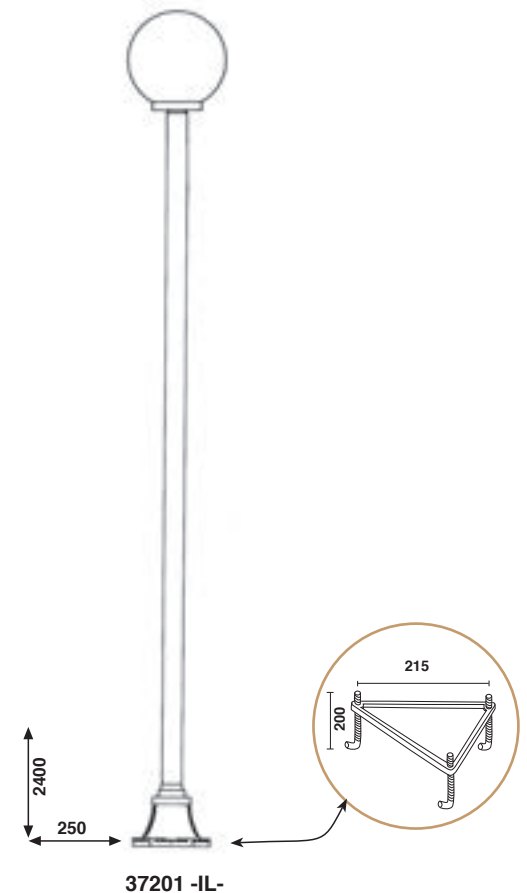
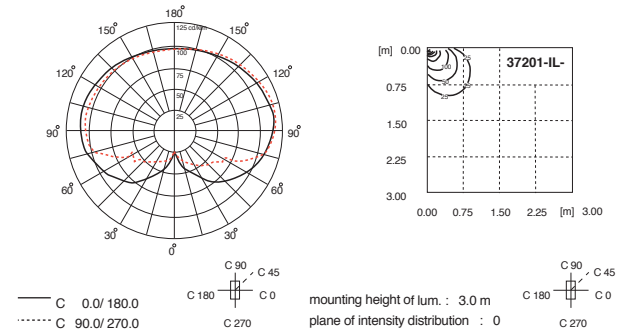
- **Post top lantern:** PMMA of 25 cm diameter, with high thermal and impact resistance.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.



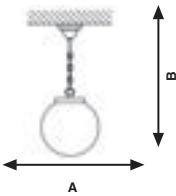
PRODUCT APPLICATION



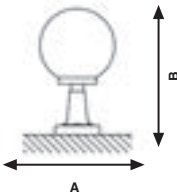
OUTDOOR LIGHTING



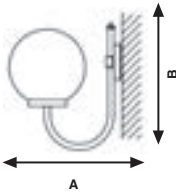
35971-IL-



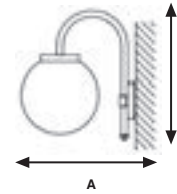
35426-IL-



35046-IL-



35047-IL-



ART NO.	PRODUCT	LAMP	A	B
37201-IL-	COLUMN	75 W 230 V	250	2400
35971-IL-	SUSPENDED	75 W 230 V	250	760
35046-IL-	CAPOLIE	75 W 230 V	380	430
35047-IL-	CAPOLIE	75 W 230 V	380	430
35426-IL-	FENCE LANTERN	75 W 230 V	250	430

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs for walls with globe housing upwards or downwards and for lamp-posts with single globe.

Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

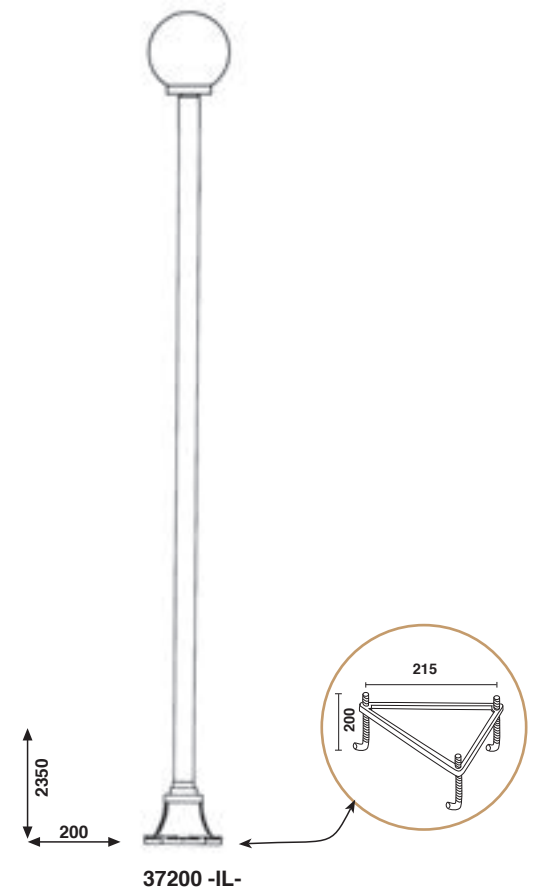
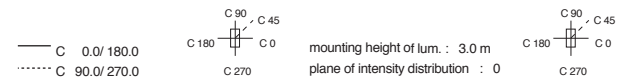
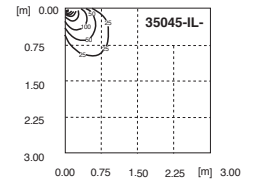
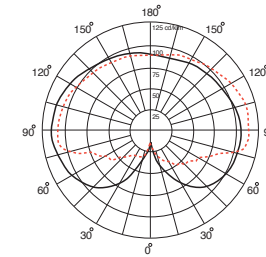
- **Post top lantern:** PMMA of 20 cm diameter, with high thermal and impact resistance.

- **Protection degree:** IP 44.

- **Color:** Available in black, white, grey and green colors.



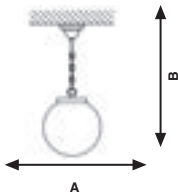
PRODUCT APPLICATION



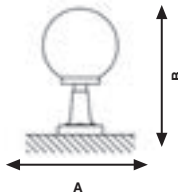
OUTDOOR LIGHTING



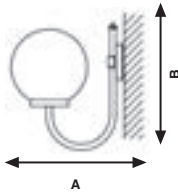
35970-IL-



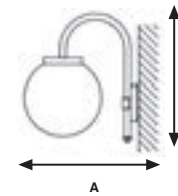
35425-IL-



35045-IL-



35045-IL-



ART NO.	PRODUCT	LAMP	A	B
37200-IL-	COLUMN	60 W 230 V	200	2350
35425-IL-	FENCE LANTERN	60 W 230 V	200	380
35970-IL-	SUSPENDED	60 W 230 V	200	710
35045-IL-	CAPOLIE	60 W 230 V	350	430

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs.

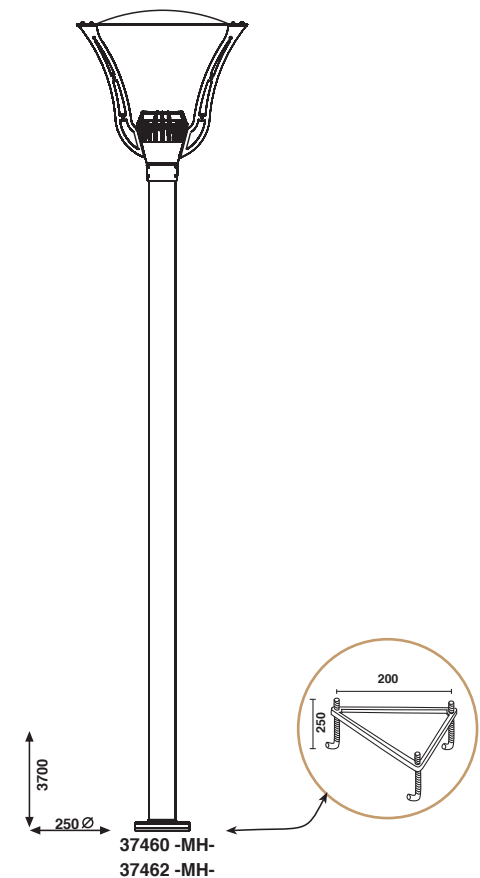
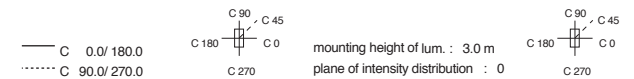
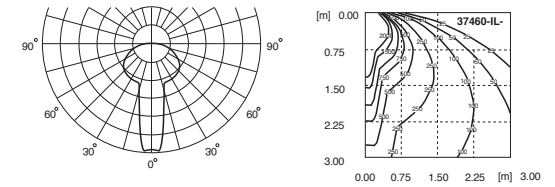
Body: made of die-cast aluminium treated and painted with electrostatic powder coating for high corrosion resistance.

- **Protection degree** : IP 65.

- **Color** : Available in black, white, grey and green colors.



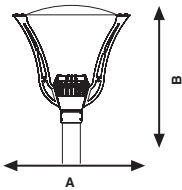
PRODUCT APPLICATION



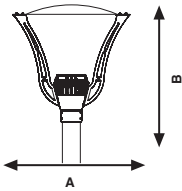
OUTDOOR LIGHTING







37460 -MH-



37462 -MH-



ART NO.	PRODUCT	LAMP	A	B
37460 -MH-	COLUMN	 150 W 230 V	770	3700
37462 -MH-	COLUMN	 150 W 230 V	770	3700
37465 -MH-	COLUMN	 150W 230 V	770	2700
37467 -MH-	COLUMN	 150 W 230 V	770	2700





Poly Metal



Steel Tube
Special Filler
Resin

OUTDOOR LIGHTING

Lantern Fixtures : of garden lamp posts are manufactured of substances which are tested carefully to resist high corrosion conditions and high solidity and manufactured for high corrosion areas.

Body : made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions.

Body is supported with filler and steel pipes which give high solidity, it can also be fixed single , double triple and quadruple, available in numerous measurements according to drawings.

Globes : made of opal, available in 25 cm, 30 cm and 35 cm diameter.

Top Lantern : made of transparent opal which resist temperature and shocks.

Color : black and we can add some different colors to look like an antique.

Application : resorts, beaches, public and special gardens.



OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs.

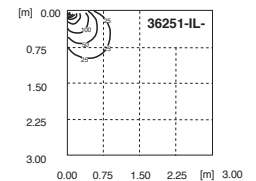
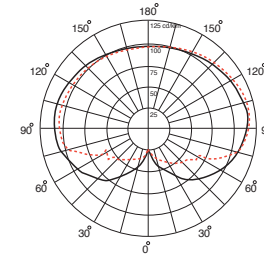
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.

- **Post top lantern:** PMMA of 25 cm diameter, with high thermal and impact resistance.

- **Protection degree :** IP 44 .



PRODUCT APPLICATION

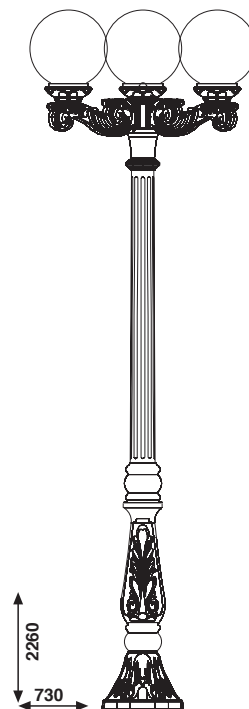


— C 0.0/ 180.0
 C 90.0/ 270.0

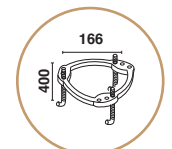
C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

C 90 C 45
 C 180 C 0
 C 270



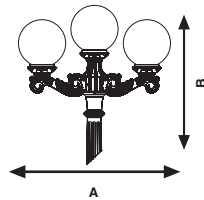
36253-IL-



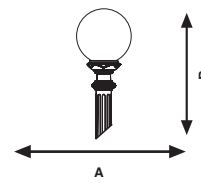
OUTDOOR LIGHTING



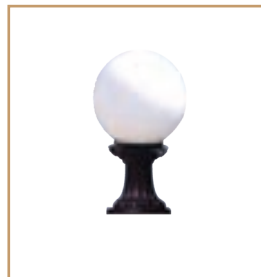
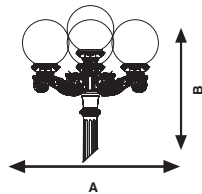
36255 -IL-



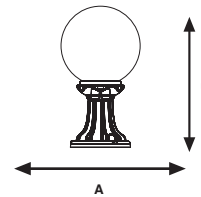
36251 -IL-



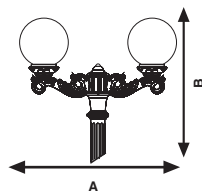
36254 -IL-



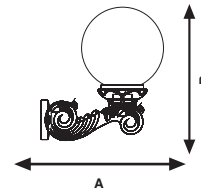
36201 -IL-



36252 -IL-



36190 -IL-



ART NO.	PRODUCT	LAMP	A	B
36253 -IL-	COLUMN	60 W 230 V 23 W 230 V	730	2260
36254 -IL-	COLUMN	60 W 230 V 23 W 230 V	730	2335
36255 -IL-	COLUMN	60 W 230 V 23 W 230 V	805	2335
36252 -IL-	COLUMN	60 W 230 V 23 W 230 V	805	2260
36251 -IL-	COLUMN	60 W 230 V 23 W 230 V	250	2110
36201 -IL-	FENCE LANTERN	60 W 230 V 23 W 230 V	250	445
36190 -IL-	WALL LANTERN	60 W 230 V 23 W 230 V	370	400



OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs.

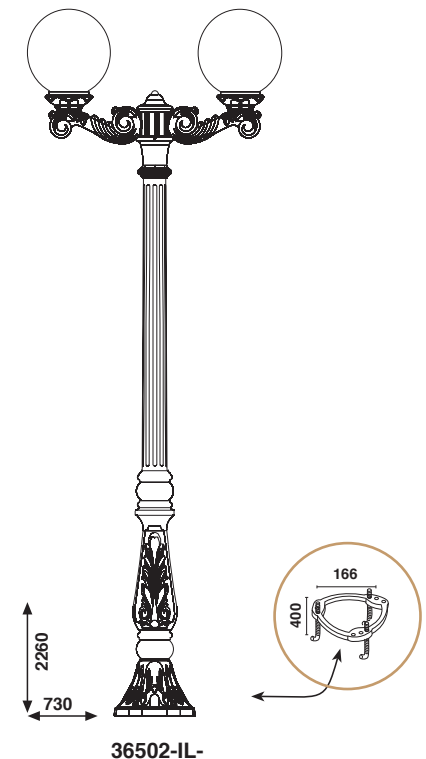
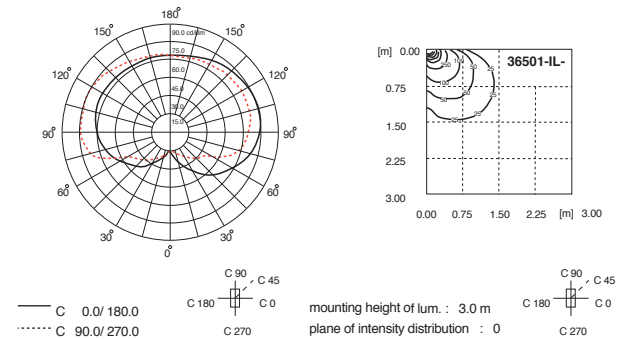
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.

- **Post top lantern:** PMMA of 30 cm diameter, with high thermal and impact resistance.

- **Protection degree :** IP 44 .



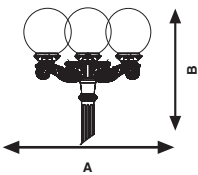
PRODUCT APPLICATION



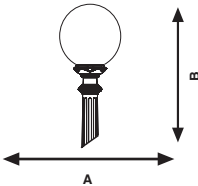
OUTDOOR LIGHTING



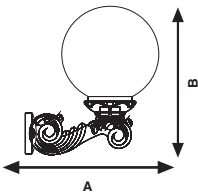
36503 -IL-



36501 -IL-



36500 -IL-



ART NO.	PRODUCT	LAMP	A	B
36502 -IL-	COLUMN	100 W 230 V 23 W 230 V	855	2320
36503 -IL-	COLUMN	100 W 230 V 23 W 230 V	780	2320
36501 -IL-	COLUMN	100 W 230 V 23 W 230 V	300	2170
36500 -IL-	WALL IANTERN	100 W 230 V 23 W 230 V	400	465

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs.

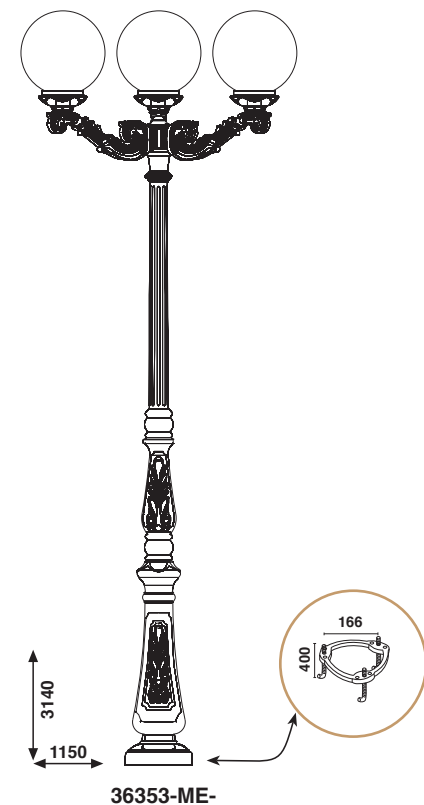
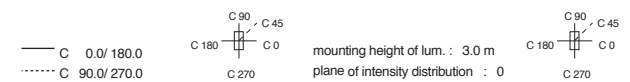
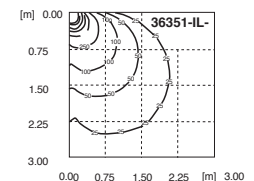
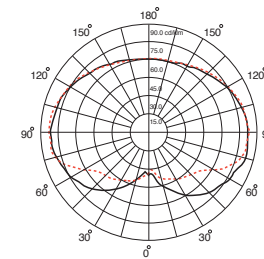
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.

- **Post top lantern:** PMMA of 35 cm diameter, with high thermal and impact resistance.

- **Protection degree :** IP 44 .



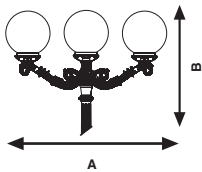
PRODUCT APPLICATION



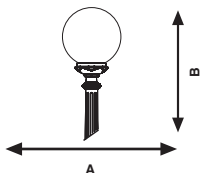
OUTDOOR LIGHTING



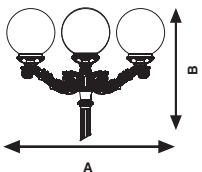
36355 -ME



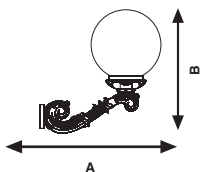
36351 -ME



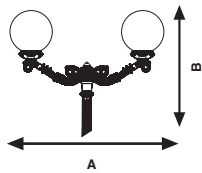
36354 -ME



36350 -ME



36352 -ME



ART NO.	PRODUCT	LAMP	A	B
36353 -ME-	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1150	3140
36354 -ME-	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1150	3140
36355 -ME-	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	3140
36352 -ME-	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	3140
36351 -ME-	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	350	2920
36350 -ME-	WALL IANTERN	160 W 230 V 80 W 230 V 50 W 230 V	610	620



OUTDOOR LIGHTING

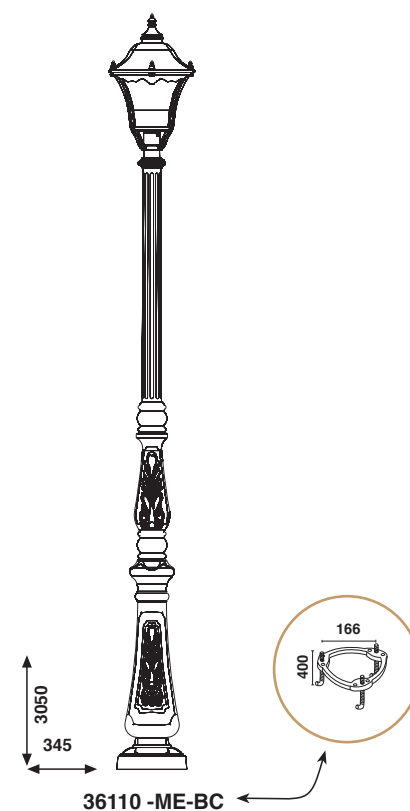
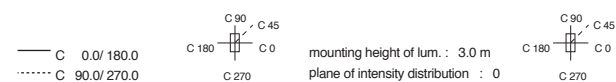
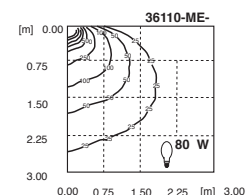
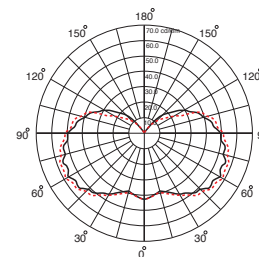
Lantern fixtures: available in very unique shapes and elegant designs.

- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.

- **Protection degree :** IP 44 .



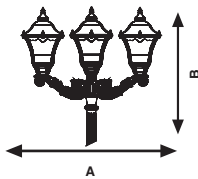
PRODUCT APPLICATION



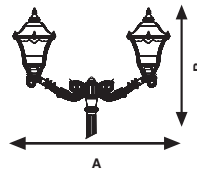
OUTDOOR LIGHTING



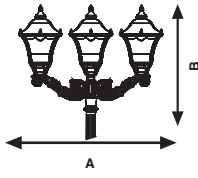
36160 -ME-BC



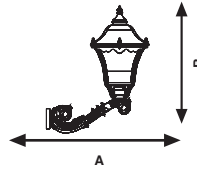
36120 -ME-BC



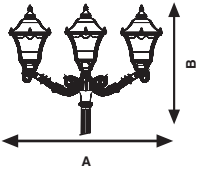
36150 -ME-BC



36100 -ME-BC



36130 -ME-BC



ART NO.	PRODUCT	LAMP	A	B
36110 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	345	3050
36160 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	3270
36130 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	3270
36150 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	3270
36120 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	3270
36100 -ME-BC	WALL IANTERN	160 W 230 V 80 W 230 V 50 W 230 V	600	750



OUTDOOR LIGHTING

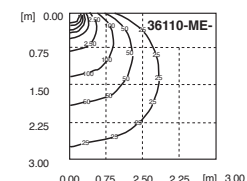
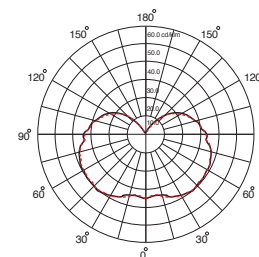
Lantern fixtures: available in very unique shapes and elegant designs.

- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.

- **Protection degree :** IP 44



PRODUCT APPLICATION

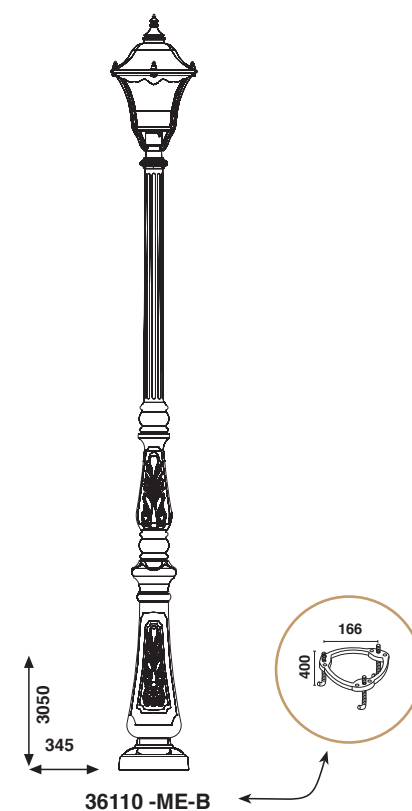


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

C 90 C 45
 C 180 C 0
 C 270

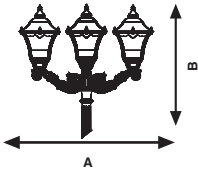


36110-ME-B

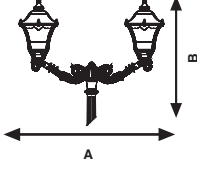
OUTDOOR LIGHTING



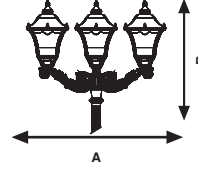
36160 -ME-B



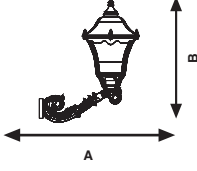
36120 -ME-B



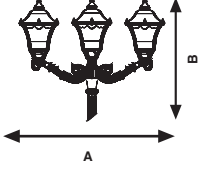
36150 -ME-B



36100 -ME-B



36130 -ME-B



ART NO.	PRODUCT	LAMP	A	B
36110 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	345	3050
36160 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	3270
36130 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	3270
36150 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	3270
36120 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	3270
36100 -ME-B	WALL IANTERN	160 W 230 V 80 W 230 V 50 W 230 V	600	750



OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs.

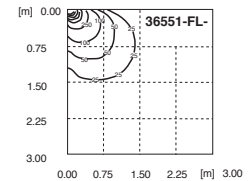
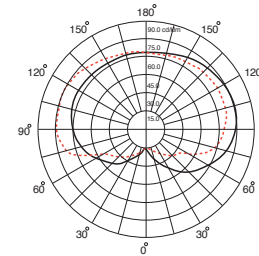
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.

- **Post top lantern:** PMMA of 30 cm diameter with high thermal and impact resistance.

- **Protection degree :** IP 44 .



PRODUCT APPLICATION

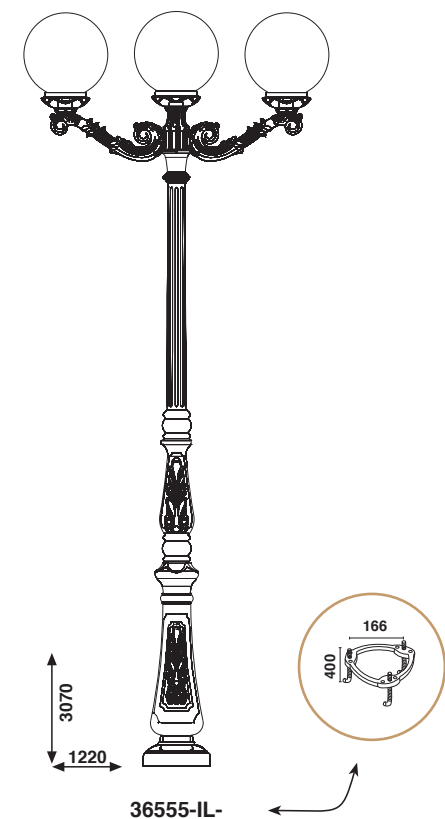
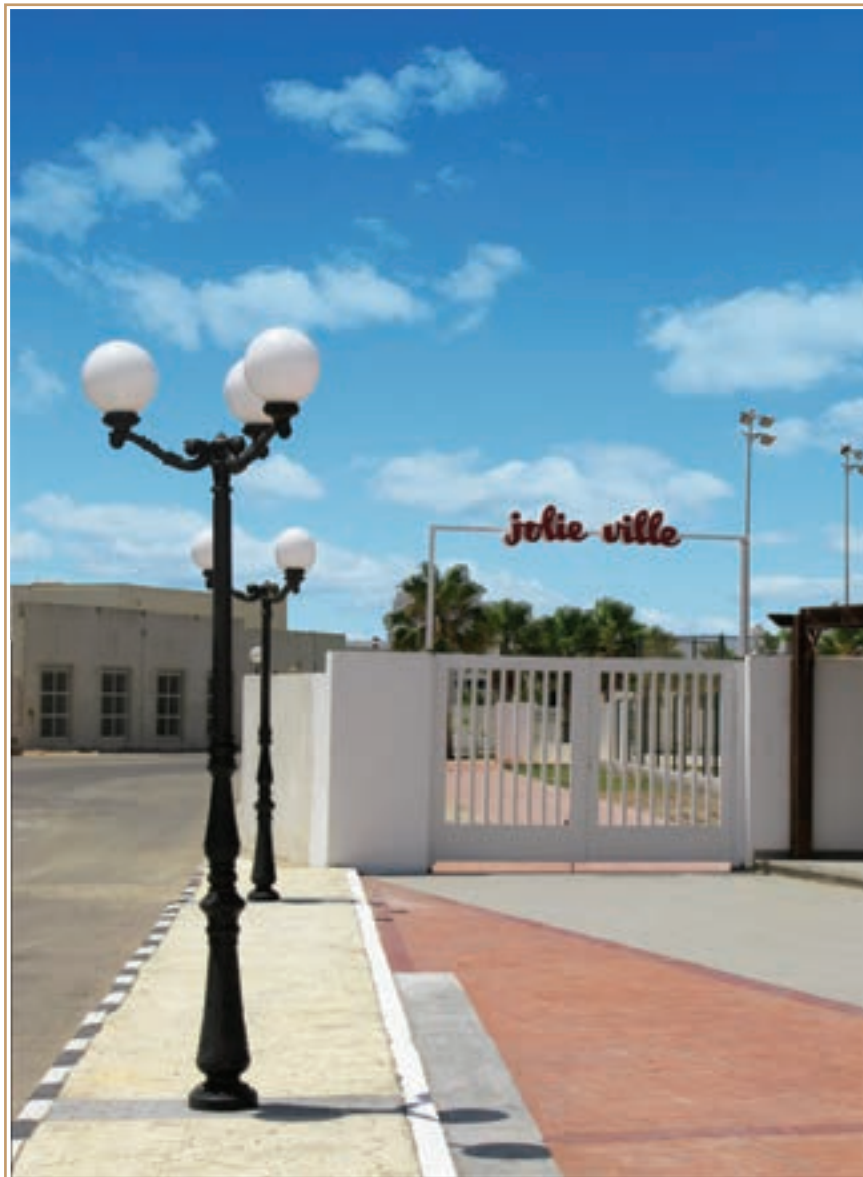


— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

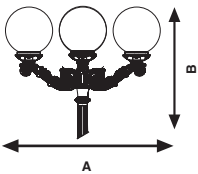
C 90 C 45
C 180 C 0
C 270



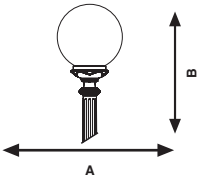
OUTDOOR LIGHTING



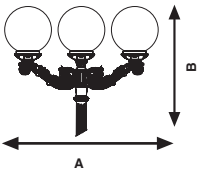
36554-IL-



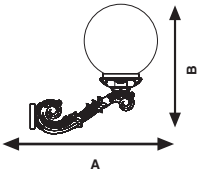
36551-IL-



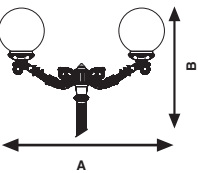
36553-IL-



36550-IL-



36552-IL-



ART NO.	PRODUCT	LAMP	A	B
36555-IL-	COLUMN	100 W 230 V 23 W 230 V	1220	3070
36554-IL-	COLUMN	100 W 230 V 23 W 230 V	1220	3070
36553-IL-	COLUMN	100 W 230 V 23 W 230 V	1220	3070
36552-IL-	COLUMN	100 W 230 V 23 W 230 V	1220	3070
36551-IL-	COLUMN	100 W 230 V 23 W 230 V	300	2850
36550-IL-	WALL IANTERN	100 W 230 V 23 W 230 V	580	750

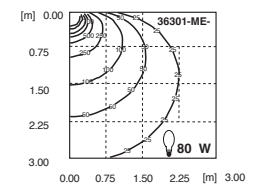
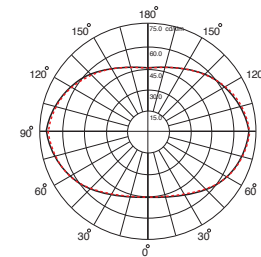


OUTDOOR LIGHTING

- Lantern fixtures:** available in very unique shapes and elegant designs.
- **Body:** made of special plastics with resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.
 - **Post top lantern:** PMMA of 35 cm diameter, with high thermal and impact resistance.
 - **Protection degree :** IP 44 .



PRODUCT APPLICATION

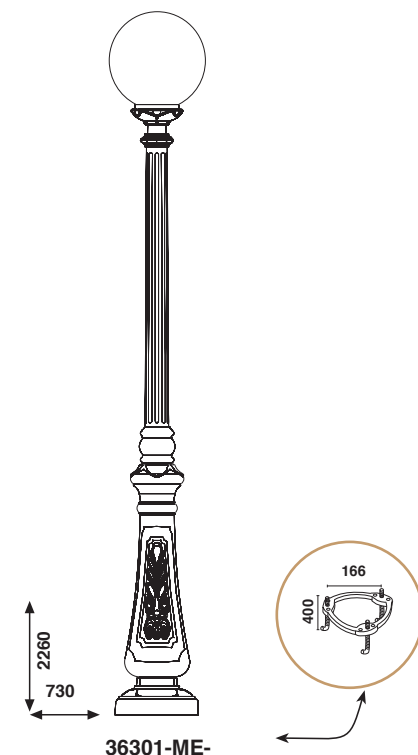


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

C 90 C 45
 C 180 C 0
 C 270

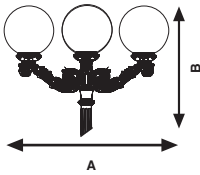


36301-ME-

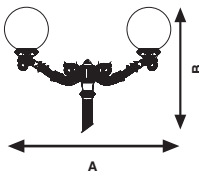
OUTDOOR LIGHTING



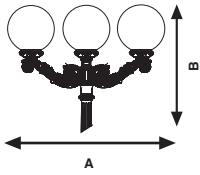
36305 -ME-B



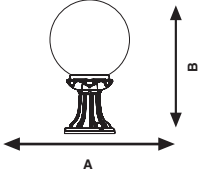
36302 -ME-B



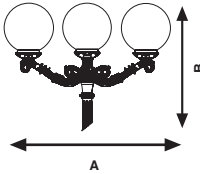
36304 -ME-B



36203 -ME-B



36303 -ME-B



ART NO.	PRODUCT	LAMP	A	B
36301 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	350	2410
36304 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1150	2630
36303 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1150	2630
36305 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	2630
36302 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	2630
36203 -ME-B	FENCE LANTERN	160 W 230 V 80 W 230 V 50 W 230 V	350	565

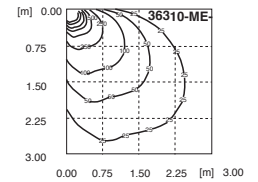
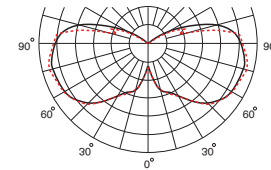


OUTDOOR LIGHTING

- Lantern fixtures:** available in very unique shapes and elegant designs.
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.
 - **Protection degree :** IP 44 .



PRODUCT APPLICATION

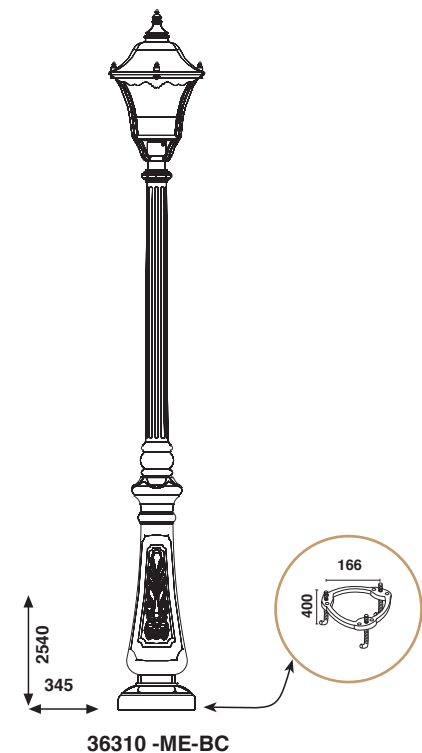


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

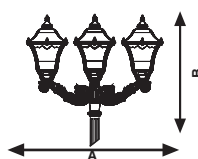
C 90 C 45
 C 180 C 0
 C 270



OUTDOOR LIGHTING



36340 -ME-BC



36330 -ME-BC



36360 -ME-BC



36200 -ME-BC



35991 -ME-BC



36320 -ME-BC



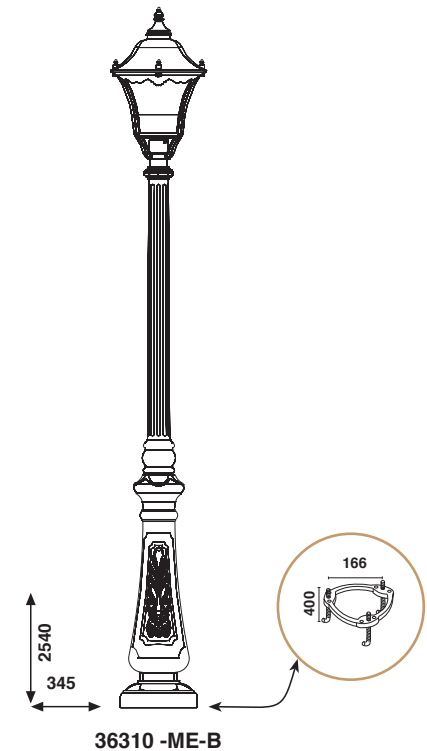
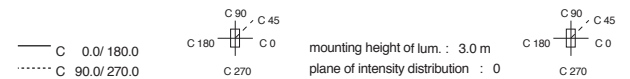
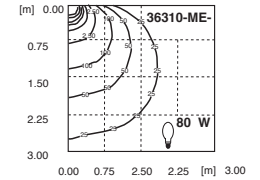
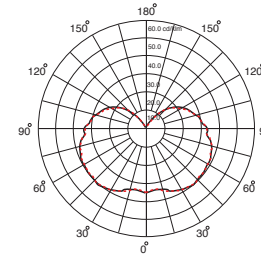
ART NO.	PRODUCT	LAMP	A	B
36310 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	345	2540
36360 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	2760
36330 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	2760
36340 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	2760
36320 -ME-BC	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	2760
35991 -ME-BC	SUSPENDED	160 W 230 V 80 W 230 V 50 W 230 V	345	1000
36200 -ME-BC	FENCE LANTERN	160 W 230 V 80 W 230 V 50 W 230 V	345	700

OUTDOOR LIGHTING

- Lantern fixtures:** available in very unique shapes and elegant designs.
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.
 - **Protection degree :** IP 44 .



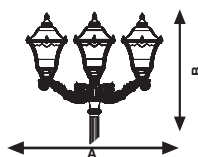
PRODUCT APPLICATION



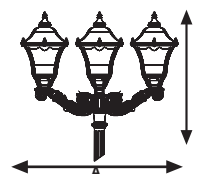
OUTDOOR LIGHTING



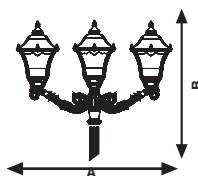
36340 -ME-B



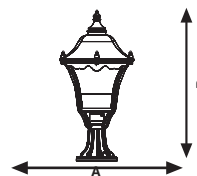
36330 -ME-B



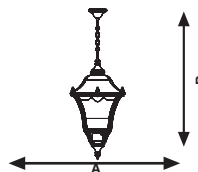
36360 -ME-B



36200 -ME-B



35991 -ME-B



36320 -ME-B



ART NO.	PRODUCT	LAMP	A	B
36310 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	345	2540
36360 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	2760
36330 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1140	2760
36340 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	2760
36320 -ME-B	COLUMN	160 W 230 V 80 W 230 V 50 W 230 V	1270	2760
35991 -ME-B	SUSPENDED	160 W 230 V 80 W 230 V 50 W 230 V	345	1000
36200 -ME-B	FENCE LANTERN	160 W 230 V 80 W 230 V 50 W 230 V	345	700

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs.

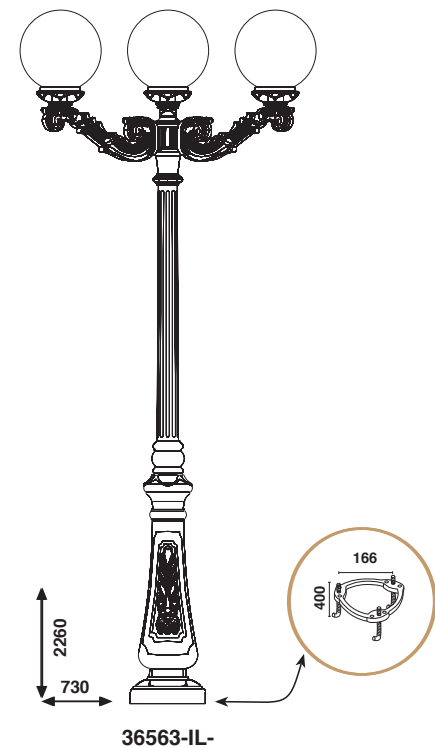
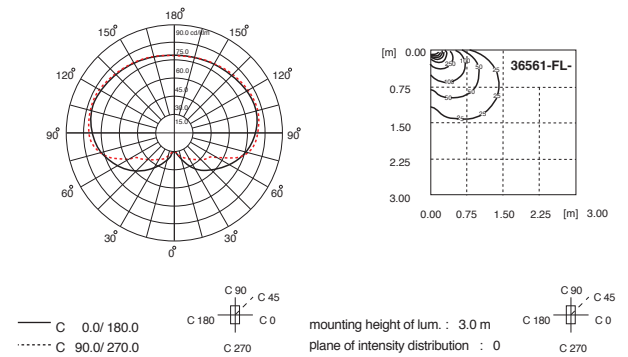
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. Body is supported with filler and steel pipes which give high solidity, it can be also fixed single.

- **Post top lantern:** PMMA of 30 cm diameter with high thermal and impact resistance.

- **Protection degree :** IP 44 .



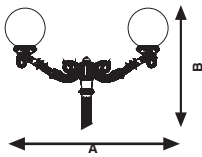
PRODUCT APPLICATION



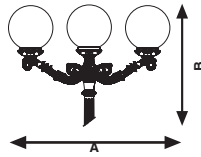
OUTDOOR LIGHTING



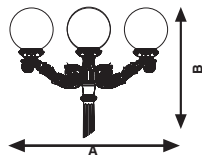
36562-il



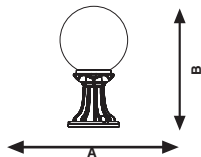
36565-il



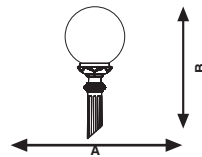
36564-il



36202-il



36561-il



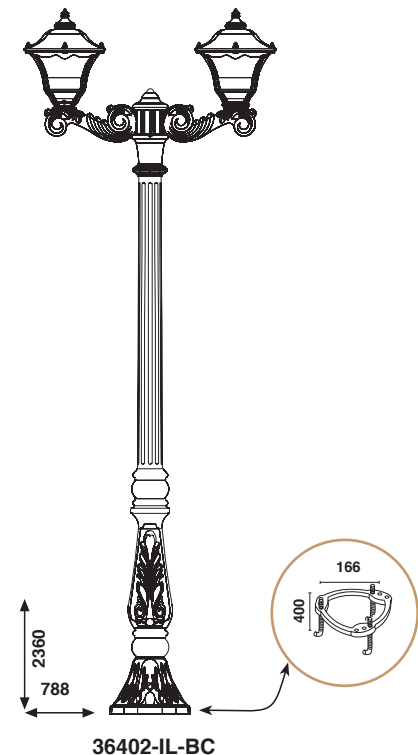
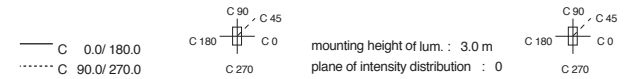
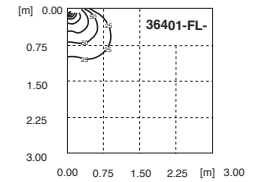
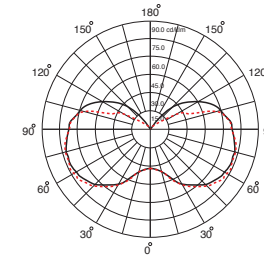
ART NO.	PRODUCT	LAMP	A	B
36563-IL-	COLUMN	100 W 230 V 23 W 230 V	1100	2560
36564-IL-	COLUMN	100 W 230 V 23 W 230 V	1100	2560
36565-IL-	COLUMN	100 W 230 V 23 W 230 V	1220	2560
36562-IL-	COLUMN	100 W 230 V 23 W 230 V	1220	2560
36561-IL-	COLUMN	100 W 230 V 23 W 230 V	300	2340
36202-IL-	FENCE LANTERN	100 W 230 V 23 W 230 V	300	505

OUTDOOR LIGHTING

Lantern fixtures: available in very unique shapes and elegant designs,
- Body: made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple
- Protection degree : IP 44 .



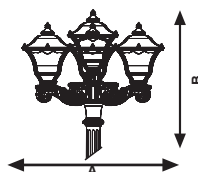
PRODUCT APPLICATION



OUTDOOR LIGHTING



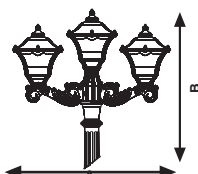
36404-IL-BC



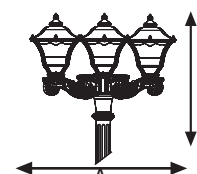
36401-IL-BC



36405-IL-BC



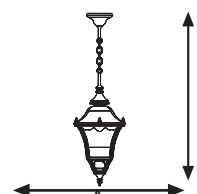
36403-IL-BC



36090-IL-BC



35990-IL-BC



36195-IL-BC



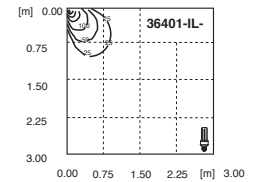
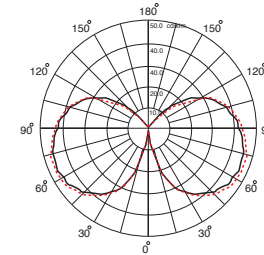
ART NO.	PRODUCT	LAMP	A	B
36402-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	788	2336
36404-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	714	2412
36403-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	714	2336
36405-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	788	2412
36401-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	232	2236
36090-IL-BC	WALL LANTERN	100 W 230 V 60 W 230 V 23 W 230 V	364	485
36195-IL-BC	FENCE LANTERN	100 W 230 V 60 W 230 V 23 W 230 V	232	524
35990-IL-BC	SUSPENDED	100 W 230 V 60 W 230 V 23 W 230 V	232	850

OUTDOOR LIGHTING

- Lantern fixtures:** available in very unique shapes and elegant designs
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can also be fixed single, double, triple and quadruple.
 - **Protection degree :** IP 44 .



PRODUCT APPLICATION

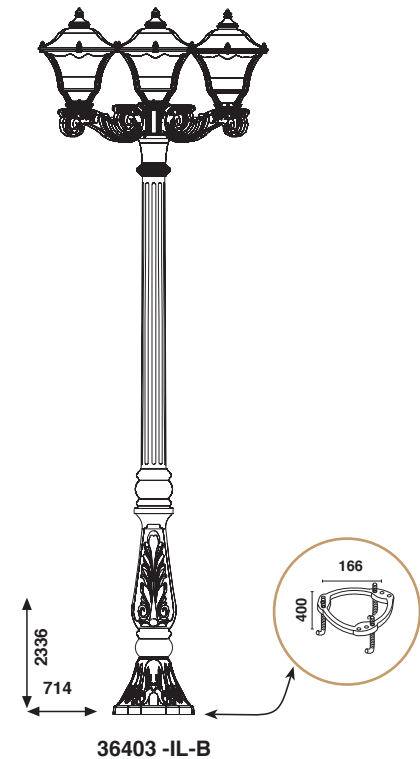


— C 0.0/ 180.0
 C 90.0/ 270.0

C 90
 C 45
 C 180
 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

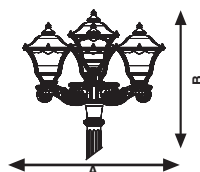
C 90
 C 45
 C 180
 C 0
 C 270



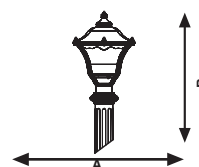
OUTDOOR LIGHTING



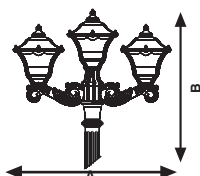
36404-IL-B



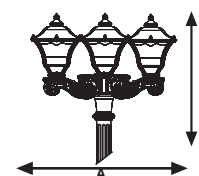
36401-IL-B



36405-IL-B



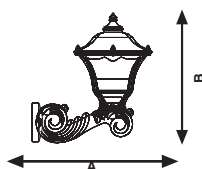
36403-IL-B



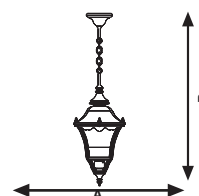
36402-IL-B



36090-IL-B



35990-IL-B



36195-IL-B



ART NO.	PRODUCT	LAMP	A	B
36402-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	788	2336
36404-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	714	2412
36403-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	714	2336
36405-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	788	2412
36401-IL-BC	COLUMN	100 W 230 V 60 W 230 V 23 W 230 V	232	2236
36090-IL-BC	WALL LANTERN	100 W 230 V 60 W 230 V 23 W 230 V	364	485
36195-IL-BC	FENCE LANTERN	100 W 230 V 60 W 230 V 23 W 230 V	232	524
35990-IL-BC	SUSPENDED	100 W 230 V 60 W 230 V 23 W 230 V	232	850

OUTDOOR LIGHTING

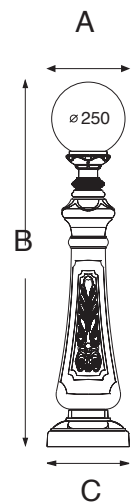
- Bollards:** available in very unique shapes and elegant designs.
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can be fixed single.
 - **Protection degree :** IP 44 .
 - **Color :** Available in black .



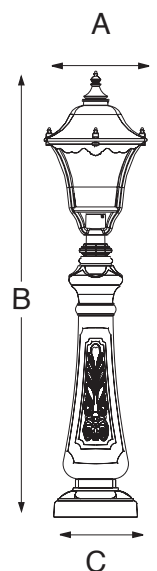
PRODUCT APPLICATION



36147-IL-



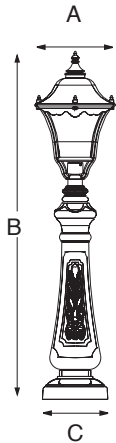
36313-ME-B



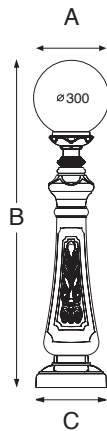
OUTDOOR LIGHTING



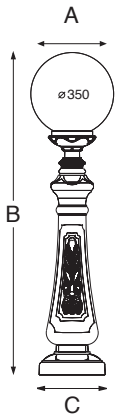
36313-ME-BC
















36142-IL-



36308-ME-



ART NO.	PRODUCT	LAMP	A	B	C
36313-ME-B	BOLLARD	 160 W 230 V  80 W 230 V  50 W 230 V	345	1490	Ø 280
36313-ME-BC	BOLLARD	 160 W 230 V  80 W 230 V  23 W 230 V	345	1490	Ø 280
36147-IL-	BOLLARD	 60 W 230 V  23 W 230 V	Ø 250	1240	Ø 280
36142-IL-	BOLLARD	 60 W 230 V  23 W 230 V	Ø 300	1300	Ø 280
36308-ME-	BOLLARD	 160 W 230 V  80 W 230 V  50 W 230 V	Ø 350	1360	Ø 280

OUTDOOR LIGHTING

Bollards: available in very unique shapes and elegant designs.

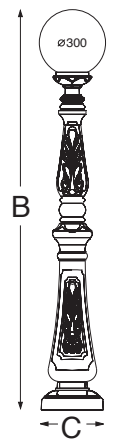
- **Body:** made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions. And is supported with filler and steel pipes which give high solidity, it can be fixed single.

- **Protection degree :** IP 44 .

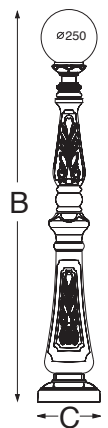
- **Color :** Available in black .



PRODUCT APPLICATION



36141-IL-

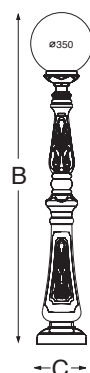


36146-IL-

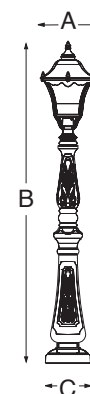
OUTDOOR LIGHTING



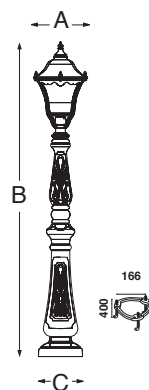
36307-ME-



36312-ME-B



36312-ME-BC



ART NO.	PRODUCT	LAMP	A	B	C
36141-IL-	BOLLARD	100 W 230 V 23 W 230 V	Ø 300	1810	Ø 280
36146-IL-	BOLLARD	100 W 230 V 23 W 230 V	Ø 250	1750	Ø 280
36307-ME-	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	Ø 350	1875	Ø 280
36312-ME-B	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	345	2000	Ø 280
36312-ME-BC	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	345	2000	Ø 280

OUTDOOR LIGHTING

A bollard available in very unique shapes and elegant designs. it is suitable for environment which require high solidity .

- **Body**: made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions.

And is supported with filler and steel pipes which give high solidity, it can be fixed single.

- **Protection degree** : IP 44 .

- **Color** : Available in black .



PRODUCT APPLICATION

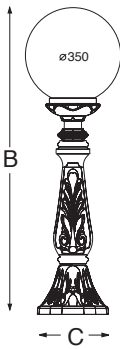
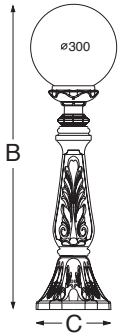
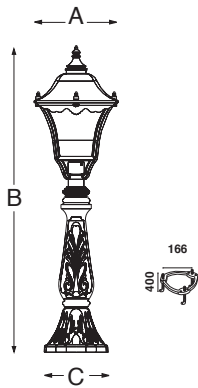


36148-IL-



36314-ME-B

OUTDOOR LIGHTING



ART NO.	PRODUCT	LAMP	A	B	C
36148-IL-	BOLLARD	60 W 230 V 23 W 230 V	ø 250	1005	ø 260
36314-ME-B	BOLLARD	160 W 230 V 80W 230 V 50 W 230 V	345	1250	ø 260
36314-ME-BC	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	345	1250	ø 260
36143-IL-	BOLLARD	100 W 230 V 23 W 230 V	ø 300	1065	ø 260
36309-ME-	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	ø 350	1225	ø 260

OUTDOOR LIGHTING

A bollard available in very unique shapes and elegant designs. it is suitable for environment which require high solidity .

- **Body**: made of special plastics with high resistance to sun rays, fire, humidity and high corrosion conditions.

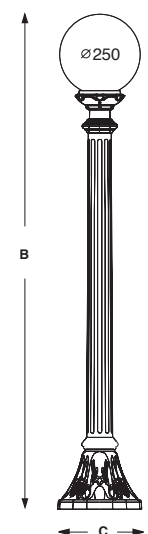
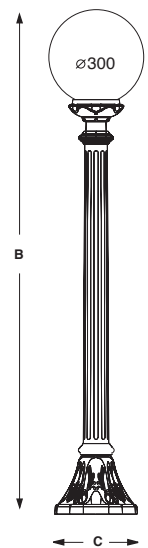
And is supported with filler and steel pipes which give high solidity, it can be fixed single.

- **Protection degree** : IP 44 .

- **Color** : Available in black .



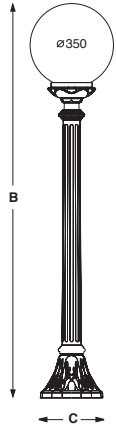
PRODUCT APPLICATION



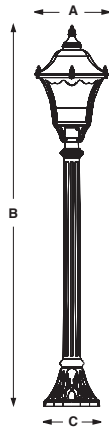
OUTDOOR LIGHTING



36306-ME-



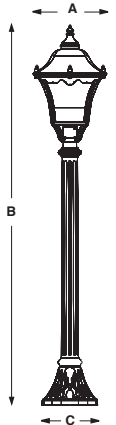
36311-ME-B



36311-ME-B



36311-ME-BC



36311-ME-BC

ART NO.	PRODUCT	LAMP	A	B	C
36140-IL-	BOLLARD	100 W 230 V 23 W 230 V	ø 300	1600	ø 260
36145-IL-	BOLLARD	60 W 230 V 23 W 230 V	ø 250	1540	ø 260
36306-ME-	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	ø 350	1660	ø 260
36311-ME-B	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	345	1780	ø 260
36311-ME-BC	BOLLARD	160 W 230 V 80 W 230 V 50 W 230 V	345	1780	ø 260



Art No.: 60000-B



Art No.: 60050-B



Art No.: 60250-B



Art No.: 60100-B



Art No.: 60150-B



Art No.: 60000-B



Art No.: 60255-B



Art No.: 60260-B



Art No.: 60200-B



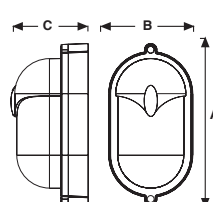
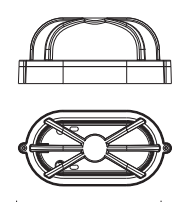
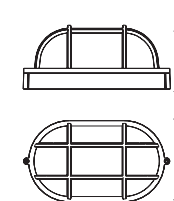
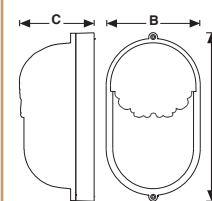
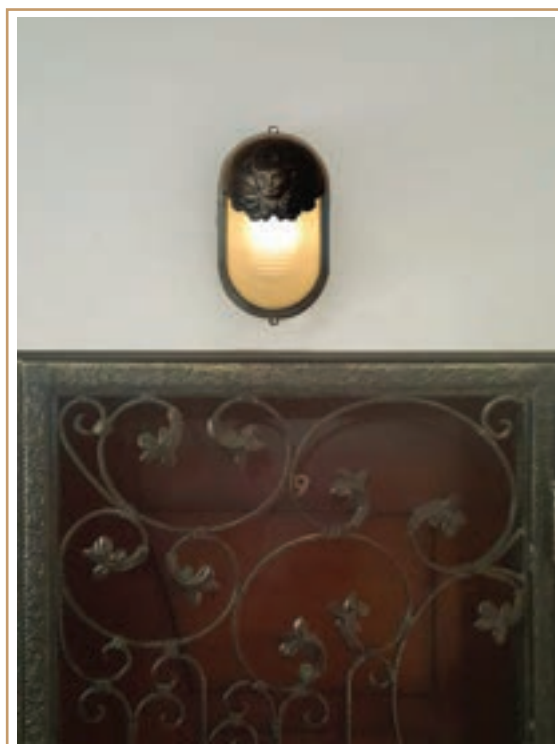
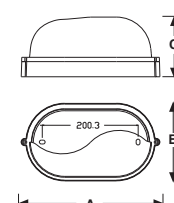
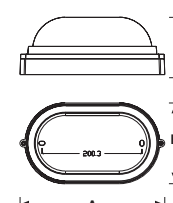
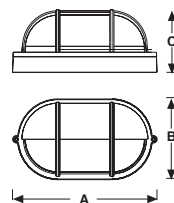
OUTDOOR LIGHTING

Different groups of wall-mounted luminaires available in different stylish shapes.

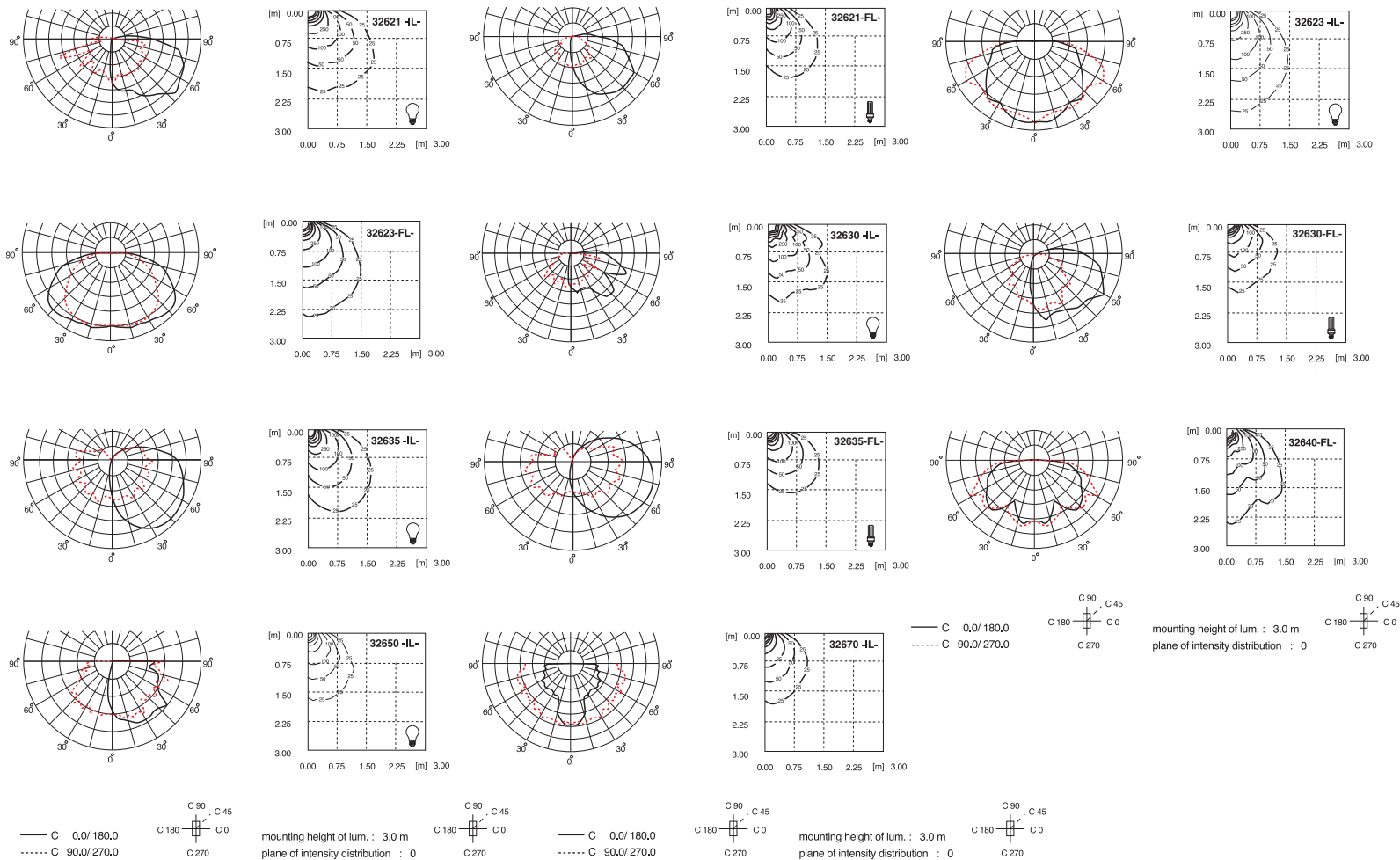
- **Body:** made of die-cast aluminium, treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lenses:** made of prismatic polycarbonate.
- **Protection degree :** IP 54.
- **Color:** Available in black, white, gray and green colors.



PRODUCT APPLICATION



OUTDOOR LIGHTING



ART NO.	PRODUCT	LAMP	A	B	C
32621-IL-	WALL LIGHTING FITTINGS	100 W 230 V	292	164	125
32630-IL-	WALL LIGHTING FITTINGS	100 W 230 V	292	164	124
32635-IL-	WALL LIGHTING FITTINGS	100 W 230 V	292	164	130
32640-IL-	WALL LIGHTING FITTINGS	100 W 230 V	290	164	126
32623-IL-	WALL LIGHTING FITTINGS	100 W 230 V	292	164	117
32650-IL-	WALL LIGHTING FITTINGS	60 W 230 V	220	109	97
32670-IL-	WALL LIGHTING FITTINGS	60 W 230 V	200	103	97

OUTDOOR LIGHTING

Different groups of wall-mounted luminaires available in different stylish shapes.

- **Body:** made of die-cast aluminium, treated and painted with electrostatic powder -corrosion resistant- coating.

- **Lenses:** made of prismatic polycarbonate.

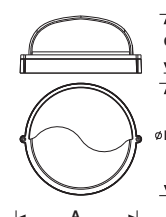
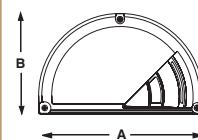
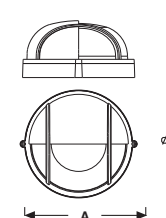
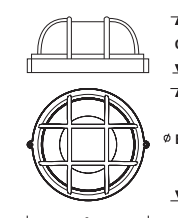
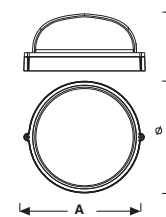
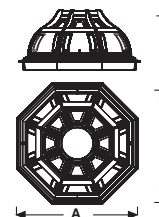
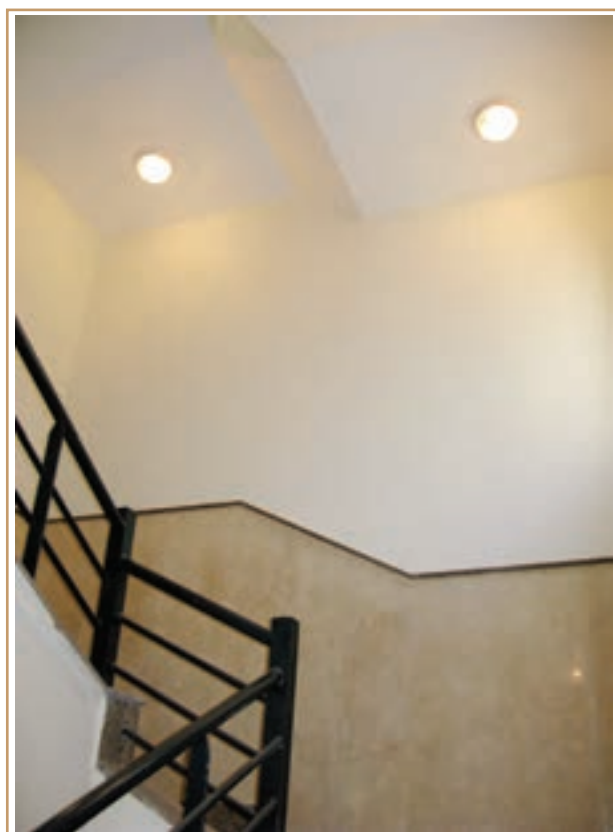
*polycarbonate (32601-IL-) *opal. (32680-IL-)

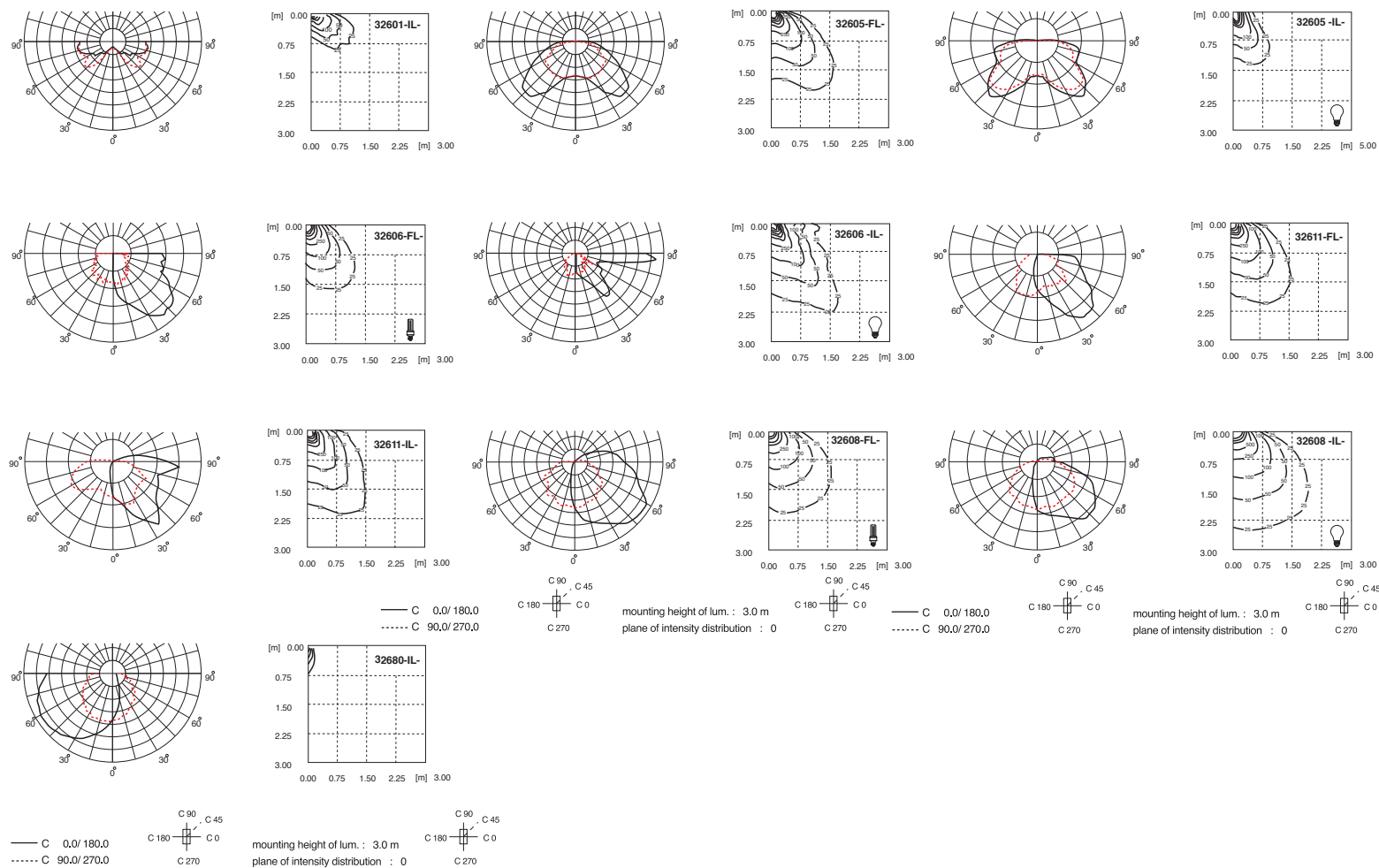
- **Protection degree :** IP 54.







- **Color:** Available in black, white, gray and green colors.



PRODUCT APPLICATION





ART NO.	PRODUCT	LAMP	A	B	C
32605-IL-	WALL LIGHTING FITTINGS	 100 W 230 V	260	∅240	116
32606-IL-	WALL LIGHTING FITTINGS	 100 W 230 V	260	∅240	122
32608-IL-	WALL LIGHTING FITTINGS	 100 W 230 V	260	∅240	122
32611-IL-	WALL LIGHTING FITTINGS	 100 W 230 V	260	∅240	117
32601-IL-	WALL LIGHTING FITTINGS	 60 W 230 V	300	300	151
32680-IL-	WALL LIGHTING FITTINGS	 40 W 230 V	195	120	111

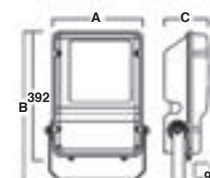
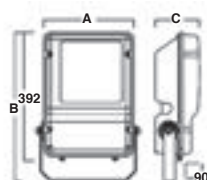
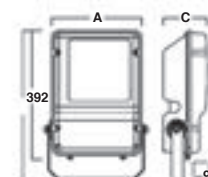
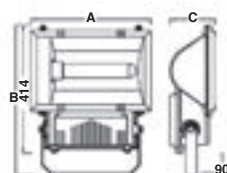
OUTDOOR LIGHTING

A group of flood light luminaires for outdoor use to show up the good designs of architectural buildings.

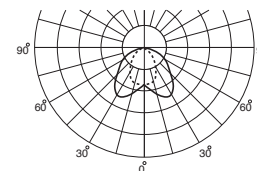
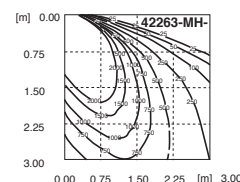
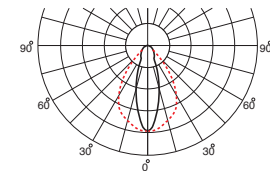
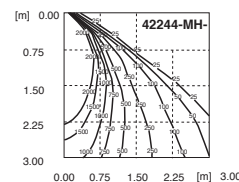
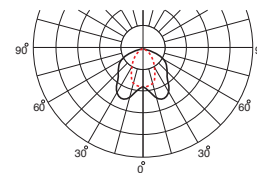
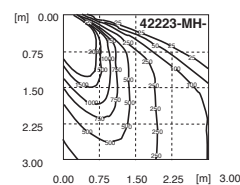
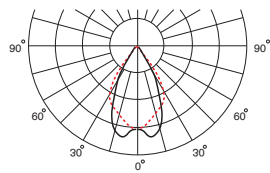
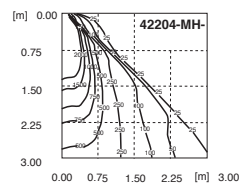
- **Body:** made of die-cast aluminium, treated and painted with powder -corrosion resistant- coating.
- **Reflector:** pure anodized aluminium.
- **Glass:** safety thermal glass.
- **Protection degree:** IP 65.
- **Color :** Available in black and white.



PRODUCT APPLICATION



OUTDOOR LIGHTING



mounting height of lum. : 3.0 m
plane of intensity distribution : 0

— C 180.0 / 0.0
..... C 270.0 / 90.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

— C 180.0 / 0.0
..... C 270.0 / 90.0

C 90 C 45
C 180 C 0
C 270

C 90 C 45
C 180 C 0
C 270

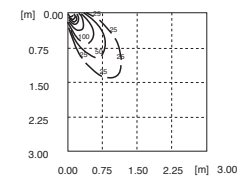
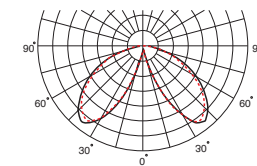
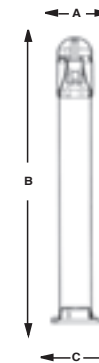
ART NO.	PRODUCT	LAMP	A	B	C
42160-MH-	FLOOD LIGHT	400w	390	480	147
42160-SD-	FLOOD LIGHT	400w	390	480	147
42105-MH-	FLOOD LIGHT	250w	390	480	147
42105-SD-	FLOOD LIGHT	250w	390	480	147
42204-MH-S	FLOOD LIGHT	70w	270	450	130
42204-SD-S	FLOOD LIGHT	70w	270	450	130
42244-MH-S	FLOOD LIGHT	150w	270	450	130
42244-SD-S	FLOOD LIGHT	150w	270	450	130
42223-MH-AS	FLOOD LIGHT	70w	270	450	130
42223-SD-AS	FLOOD LIGHT	70w	270	450	130
42263-MH-AS	FLOOD LIGHT	150w	270	450	130
42263-SD-AS	FLOOD LIGHT	150w	270	450	130
42205-MH-	FLOOD LIGHT	70w	270	450	130
42205-SD-	FLOOD LIGHT	70w	270	450	130
42246-MH-	FLOOD LIGHT	150w	270	450	130
42246-SD-	FLOOD LIGHT	150w	270	450	130

OUTDOOR LIGHTING

- A** decorative bollard in different heights with indirect light.
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
 - **Lens:** made of polycarbonate with high thermal and impact resistance.
 - **Protection degree :** IP 65.
 - **Color :** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

C 90 C 45
 C 180 C 0
 C 270

ART NO.	PRODUCT	LAMP	A	B	C
38450-IL- 38450-FL-	BOLLARD	100 W 230 V 23 W 230 V	157	677	213
38455-IL- 38455-FL-	BOLLARD	100 W 230 V 23 W 230 V	157	1027	213
38460-IL- 38460-FL-	BOLLARD	100 W 230 V 23 W 230 V	157	1277	213

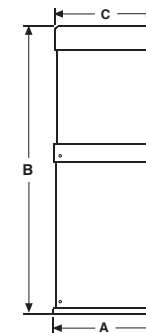
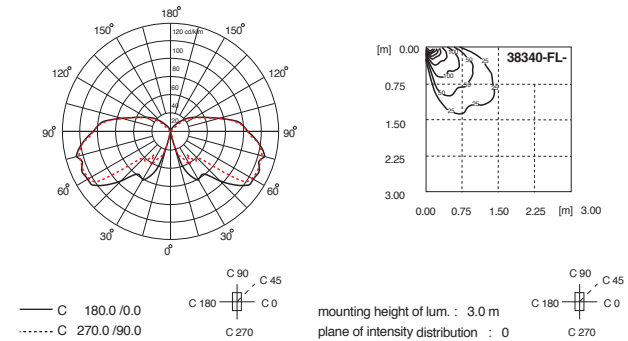
OUTDOOR LIGHTING

A decorative bollard in different heights with direct light

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of polycarbonate with high thermal and impact resistant or glass .
- **Protection degree :** IP 65.
- **Color :** Available in black, white, grey and green colors.



PRODUCT APPLICATION



ART NO.	PRODUCT	LAMP	A	B	C
38340-FL-	BOLLARD	23 W 230 V	Ø216	600	Ø210

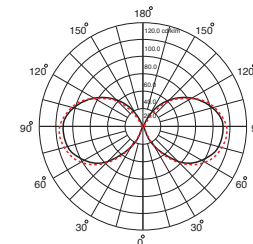
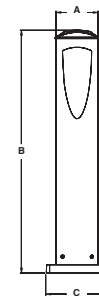
OUTDOOR LIGHTING

A decorative bollard in different heights with direct light.

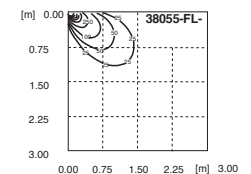
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of polycarbonate with high thermal .
- **Protection degree :** IP 45.
- **Color :** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0



— C 0.0/ 180.0
 C 90.0/ 270.0

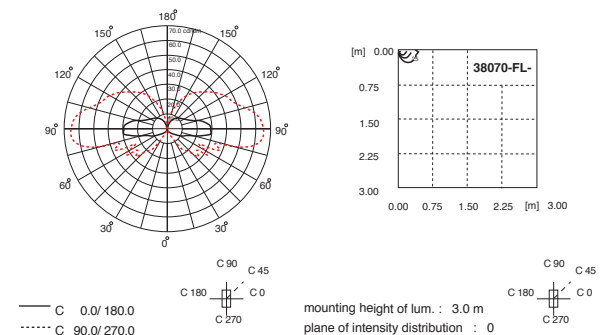
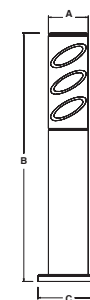
ART NO.	PRODUCT	LAMP	A	B	C
38045-FL-	BOLLARD	23 W 230 V	135	400	190
38050-FL-	BOLLARD	23 W 230 V	135	750	190
38055-FL-	BOLLARD	23 W 230 V	135	1000	190

OUTDOOR LIGHTING

- A decorative bollard in different heights with direct light
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
 - **Lens:** made of polycarbonate with high thermal .
 - **Protection degree :** IP 45.
 - **Color :** Available in black, white, grey and green colors.



PRODUCT APPLICATION



ART NO.	PRODUCT	LAMP	A	B	C
38065-FL-	BOLLARD	23 W 230 V	Ø 120	750	Ø 185
38070-FL-	BOLLARD	23 W 230 V	Ø 120	1000	Ø 185

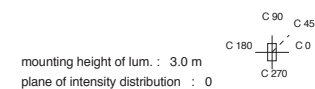
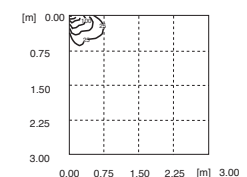
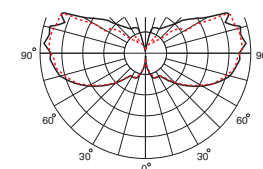
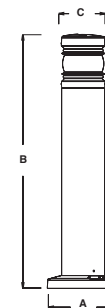
OUTDOOR LIGHTING

Bollards: available in very unique shapes and elegant designs.

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of polycarbonate with high thermal and impact resistant.
- **Protection degree** : IP 45.
- **Color** : Available in black, white, grey and green colors.



PRODUCT APPLICATION



ART NO.	PRODUCT	LAMP	A	B	C
38642-FL	BOLLARD	20 W 230 V	150	400	90
38646-FL	BOLLARD	20 W 230 V	150	750	90
38643-FL	BOLLARD	20 W 230 V	150	400	90
38647-FL	BOLLARD	20 W 230 V	150	750	90

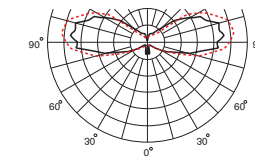
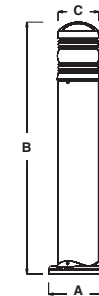
OUTDOOR LIGHTING

Bollards: available in very unique shapes and elegant designs.

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of polycarbonate with high thermal and impact resistant.
- **Protection degree** : IP 45.
- **Color** : Available in black, white, grey and green colors.

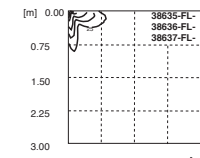


PRODUCT APPLICATION



— C 0.0°/ 180.0
 C 90.0°/ 270.0

C 90 C 45
 C 180 C 0
 C 270



mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

ART NO.	PRODUCT	LAMP	A	B	C
38635-FL-	BOLLARD	23 W 230 V	213	400	150
38636-FL-	BOLLARD	23 W 230 V	213	750	150
38637-FL-	BOLLARD	23 W 230 V	213	1000	150
38653-iL-	BOLLARD	100 W 230 V	213	400	150
38654-iL-	BOLLARD	100 W 230 V	213	750	150
38655-iL-	BOLLARD	100 W 230 V	213	1000	150

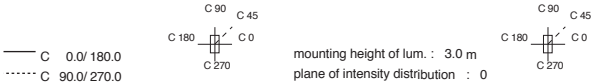
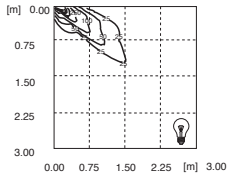
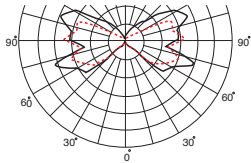
OUTDOOR LIGHTING

A decorative bollard in different heights with indirect light.

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of polycarbonate with high thermal and impact resistance.
- **Protection degree :** IP 45.
- **Color :** Available in black, white, grey and green colors.



PRODUCT APPLICATION



ART NO.	PRODUCT	LAMP	A	B	C
38612-IL-	BOLLARD	100 W 230 V	160	400	180
38622-IL-	BOLLARD	100 W 230 V	160	750	180
38632-IL-	BOLLARD	100 W 230 V	160	1000	180
39112-IL-	SPIKES	100 W 230 V	160	625	

OUTDOOR LIGHTING

A decorative bollard in beautiful unique and elegant designs.

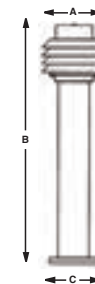
- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of clear polycarbonate with high thermal and impact resistance.
- **Protection degree** : IP 45.
- **Color** : Available in black, white ,grey and green colors.



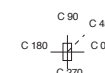
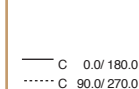
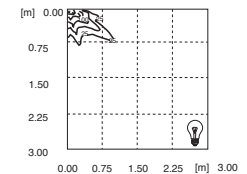
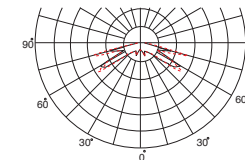
PRODUCT APPLICATION



38330-IL-



39115-IL-



mounting height of lum. : 3.0 m
plane of intensity distribution : 0

ART NO.	PRODUCT	LAMP	A	B	C
38310-IL-	BOLLARD	100 W 230 V	243	400	180
38320-IL-	BOLLARD	100 W 230 V	243	750	180
38330-IL-	BOLLARD	100 W 230 V	243	1000	180
39115-IL-	SPIKES	100 W 230 V	243	600	

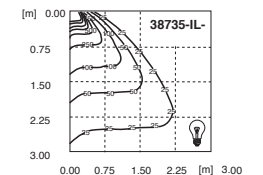
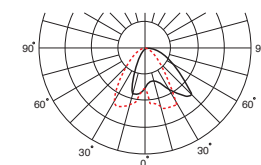
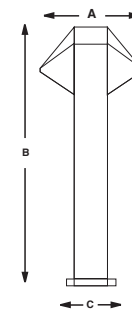
OUTDOOR LIGHTING

A decorative bollard: (single or double sided bollard).

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of frosted glass with high thermal resistance.
- **Protection degree** : IP 44 .
- **Color** : Available in black, white, grey and green color.



PRODUCT APPLICATION



— C 0.0/180.0
 C 90.0/270.0

C 90 C 45
 C 180 C 0
 C 270

mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

C 90 C 45
 C 180 C 0
 C 270

ART NO.	PRODUCT	LAMP	A	B	C
38735-IL-	BOLLARD	100 W 230 V	260	1000	188
38745-IL-	BOLLARD	100 W 230 V	390	1000	188

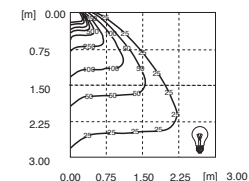
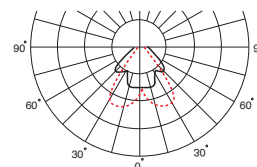
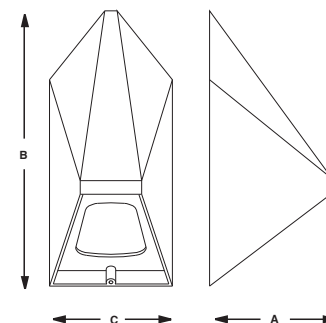
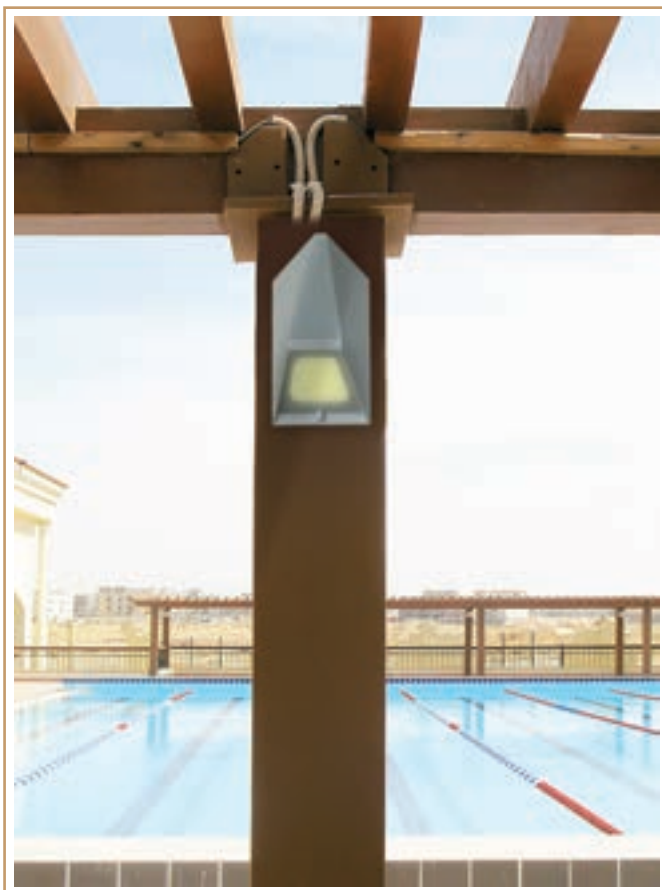
OUTDOOR LIGHTING

Wall mounted luminaires are provided with a reflector.

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of frosted glass with high thermal resistance.
- **Protection degree** : IP 44.
- **Color**: Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90, C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90, C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	A	B	C
35121-IL	WALL LANTERN	100 W 230 V	130	260	130

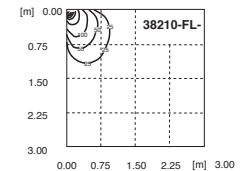
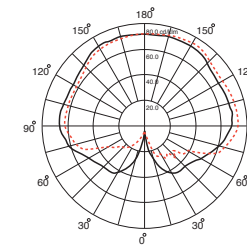
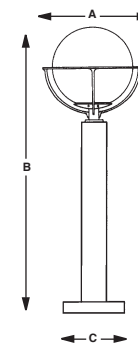
OUTDOOR LIGHTING

Bollards: available in very unique shapes and elegant designs.

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of stabilized shatter-proof with opal glass sphere of 20 cm diameter.
- **Protection degree** : IP 44.
- **Color** : Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 . C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

ART NO.	PRODUCT	LAMP	A	B	C
38210-IL-	BOLLARD	100 W 230 V	285	400	120
38220-IL-	BOLLARD	100 W 230 V	285	750	120
38230-IL-	BOLLARD	100 W 230 V	285	1000	120

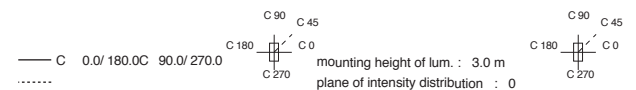
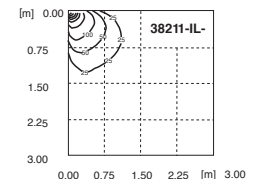
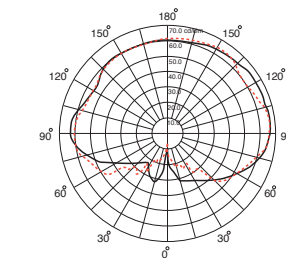
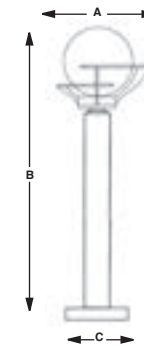
OUTDOOR LIGHTING

Bollards: available in very unique shapes and elegant designs.

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of stabilized shatter-proof with opal glass sphere of 20 cm diameter.
- **Protection degree** : IP 44.
- **Color** : Available in black, white, grey and green colors.



PRODUCT APPLICATION



ART NO.	PRODUCT	LAMP	A	B	C
38211-IL-	BOLLARD	100 W 230 V	276	400	120
38221-IL-	BOLLARD	100 W 230 V	276	750	120
38231-IL-	BOLLARD	100 W 230 V	276	1000	120

OUTDOOR LIGHTING

A decorative bollard in unique shapes and elegant designs.

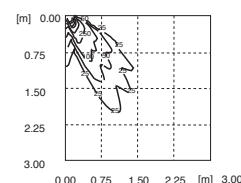
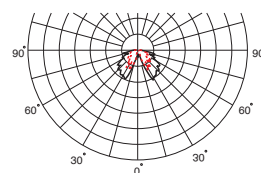
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens :** of clear polycarbonate with high thermal and impact resistance.
- **Protection degree :** IP 45.
- **Color :** Available in black, white ,grey and green colors.



PRODUCT APPLICATION



38810-IL-



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	A	B	C
38810-IL-	BOLLARD	60 W 230 V	190	1000	245

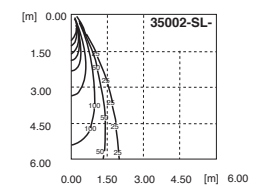
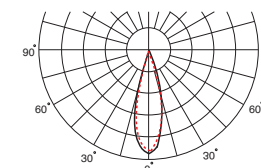
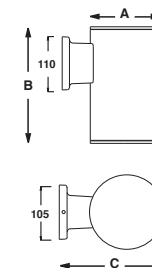
OUTDOOR LIGHTING

A group of Wall-mounted luminaires which provide downward lighting, available in cylindrical shapes

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Protection degree :** IP 20.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	GLASS	IP	A	B	C
35002-SL-	Cylinder	120 W 230 V	✕	20	144	247	200
35003-SL-	Cylinder	120 W 230 V	—	54	144	247	200
35012-SL-	Cylinder	120 W 230 V	✕	20	144	303	200

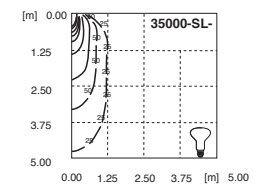
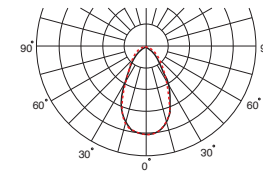
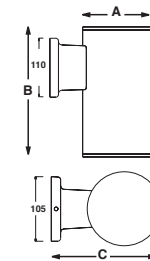
OUTDOOR LIGHTING

A group of Wall-mounted luminaires which provide downward lighting, available in cylindrical shapes

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Protection degree :** IP 20 - IP 54.
- **Color:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90
C 45
C 180
C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90
C 45
C 180
C 0
C 270

ART NO.	PRODUCT	LAMP	GLASS	IP	A	B	C
35000-SL-	Cylinder	100 W 230 V	✕	20	∅ 120	260	178
35001-SL-	Cylinder	100 W 230 V	—	54	∅ 120	260	178
35005-SL-	Cylinder	100 W 230 V	✕	20	∅ 120	420	178
35015-SL-	Cylinder	120 W 230 V	—	54	∅ 120	420	178
35020-SL-	Cylinder	120 W 230 V	✕	20	∅ 130	236	188
35030-SL-	Cylinder	120 W 230 V	✕	20	∅ 130	380	188

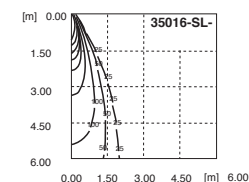
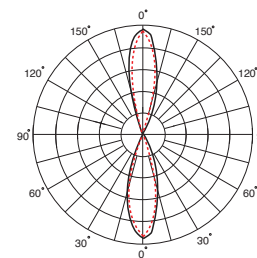
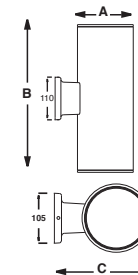
OUTDOOR LIGHTING

A group of Wall-mounted luminaires which provide both upward and downward lighting
e.g unit 35016 -SL- available in cylindrical shape.

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Protection degree:** IP 20 - IP 54.
- **Color :** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	IP	A	B	C
35016-SL-	Cylinder	120 W 230 V	20	∅ 144	392	202
35018-SL-	Cylinder	120 W 230 V	54	∅ 144	412	202

OUTDOOR LIGHTING

Lantern fixtures: available in two unique shapes; wall-mounted upwards and downwards.

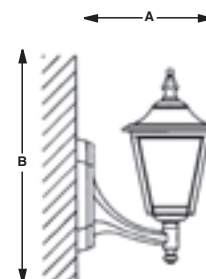
- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of clear glass, sandplasted glass or polycarbonate.
- **Protection degree**: IP 44.
- **Color** : Available in black, white, grey and green colors.



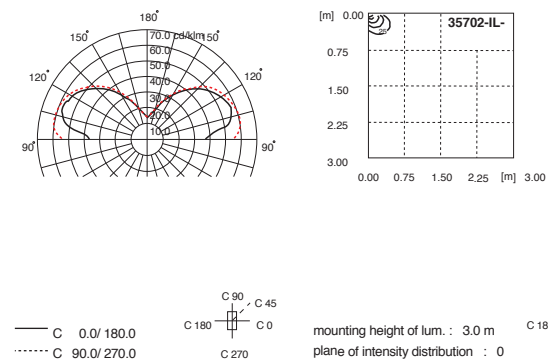
PRODUCT APPLICATION



35702-iL-



35703-iL-



ART NO.	PRODUCT	LAMP	A	B
35702-iL-	Lantern fixtures	25 W 230 V	200	280
35703-iL-	Lantern fixtures	25 W 230 V	200	280

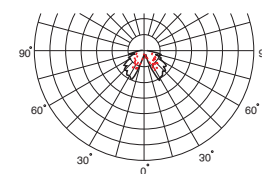
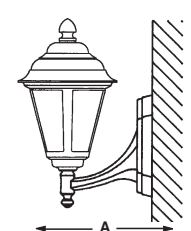
OUTDOOR LIGHTING

Lantern fixtures: available in two unique shapes; wall-mounted upwards and downwards.

- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens** : made of clear glass, sandplasted glass or polycarbonate.
- **Protection degree** : IP 44.
- **Color** : Available in black, white, grey and green colors .

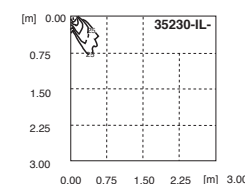


PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0

C 90 C 45
 C 180 C 0
 C 270



mounting height of lum. : 3.0 m
 plane of intensity distribution : 0

ART NO.	PRODUCT	LAMP	A	B
35230-IL-	Lantern fixtures	40 W 230 V	210	280
35231-IL-	Lantern fixtures	40 W 230 V	210	280

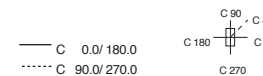
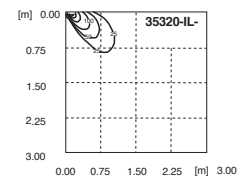
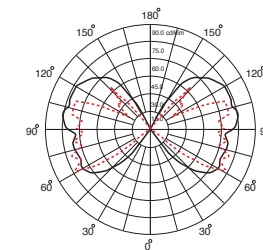
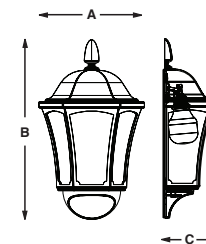
OUTDOOR LIGHTING

A group of different wall mounted lantern fixtures available in very unique shapes and elegant designs.

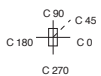
- **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating. (Art No. 35330-IL-)
- **Body** : made of plastic with high resistance to impacts. (Art No. 35355-IL-)
- **Lens** : of clear glass or sandplasted glass. (Art No. 35330-IL-)
- **Lens** : made of clear polycarbonate. (Art No. 35355-IL-)
- **Protection degree** : IP 44.
- **Color** : Available in black, white, grey and green colors.



PRODUCT APPLICATION



mounting height of lum. : 3.0 m
plane of intensity distribution : 0



ART NO.	PRODUCT	LAMP	A	B	C
35330-IL-	Lantern fixtures	60 W 230 V	110	205	108
35355-IL-	Lantern fixtures	60 W 230 V	215	370	120

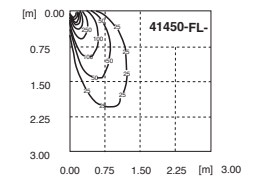
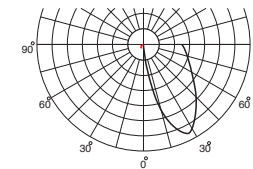
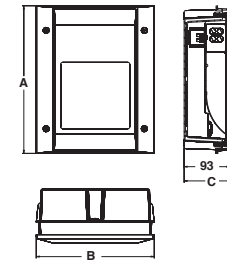
OUTDOOR LIGHTING

Floor washlights available in very unique shapes and elegant designs, with different designs to provide different light effects.

- **Face:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Body:** made of polycarbonate with high thermal and impact resistance.
- **Lens:** made of safety glass.
- **Protection degree:** IP 65.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	A	B	C
41450-FL-	Grill	18 W 230 V	300	240	110
41455-FL-	Grill	26 W 230 V	300	240	110

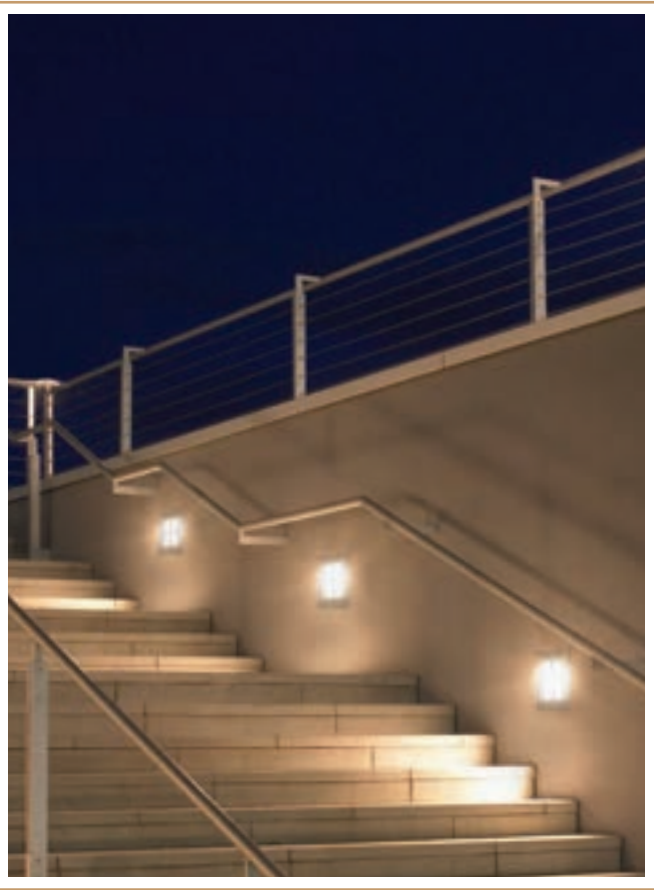
OUTDOOR LIGHTING

Floor washlights available in very unique shapes and elegant designs, with different designs to provide different light effects.

- **Face:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Body:** made of polycarbonate with high thermal and impact resistance.
- **Lens:** made of safety glass.
- **Protection degree:** IP 65.



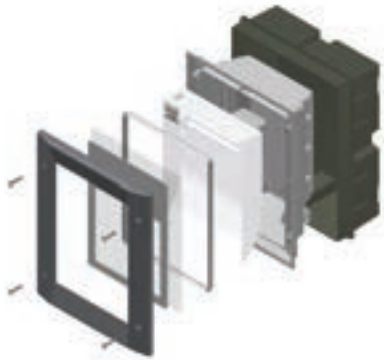
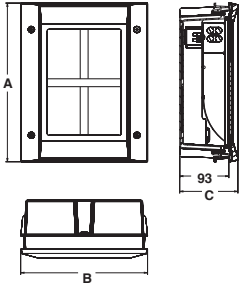
PRODUCT APPLICATION





41460-FL-



41465-FL-



ART NO.	PRODUCT	LAMP	A	B	C
41460-FL-	Grill	 26 W 230 V	300	240	110
41465-FL-	Grill	 26 W 230 V	300	240	110

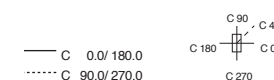
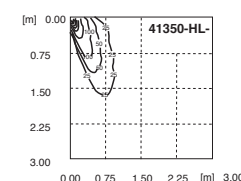
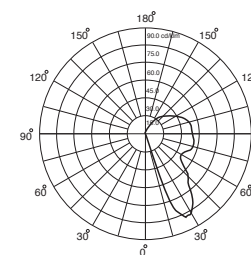
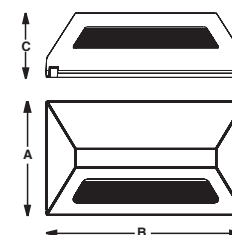
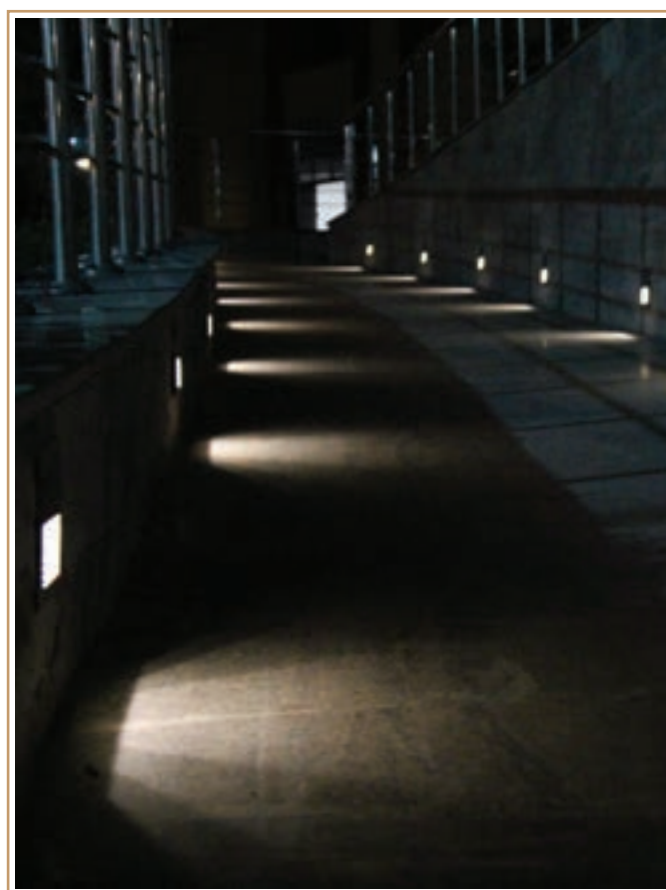
OUTDOOR LIGHTING

Stair luminaires: without a grill, available in unique shapes and elegant designs .

- **Face & Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating (41350-HL- & 41205-IL-).
- **Recessed Body:** made of polycarbonate with high thermal and impact resistance (41350-HL-).
- **Lenses:** made of prismatic polycarbonate.
- **colors:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



mounting height of lum. : 3.0 m
plane of intensity distribution : 0

ART NO.	PRODUCT	LAMP	A	B	C
41205-IL-	Grill	40 W 230 V	115	200	65
41350-HL-	Grill	25 W 230 V	137	137	74

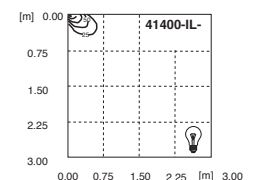
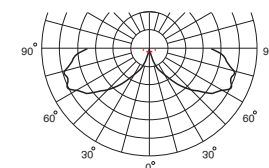
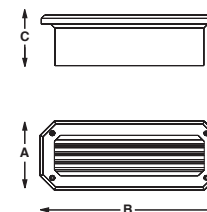
OUTDOOR LIGHTING

Stair luminaires: with a grill, available in unique shapes and elegant designs, in 2 sizes.

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of clear or sandplasted glass.
- **Protection degree:** IP 54
- **colors:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
 C 90.0/ 270.0
 C 90, C 45
 C 180 C 0
 C 270
 mounting height of lum. : 3.0 m
 plane of intensity distribution : 0
 C 90, C 45
 C 180 C 0
 C 270

ART NO.	PRODUCT	LAMP	A	B	C
41400-IL-	Grill	23 W 230 V	116	305	95
41405-IL-	Grill	25 W 230 V	96	150	55

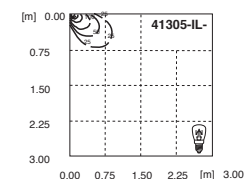
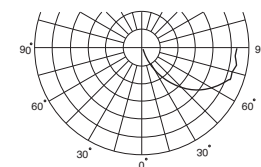
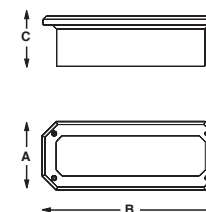
OUTDOOR LIGHTING

Stair luminaires: with a grill, available in unique shapes and elegant designs, in 2 sizes.

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of clear or sandplasted glass.
- **Protection degree:** IP 54
- **colors:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	A	B	C
41300-IL-	Grill	23 W 230 V	116	305	65
41305-IL-	Grill	25 W 230 V	96	150	55

OUTDOOR LIGHTING

Stair luminaires: with & without a grill, available in unique shapes and elegant designs.

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of clear or sandplasted glass.
- **Protection degree:** IP 54
- **colors:** Available in black, white, grey and green colors.



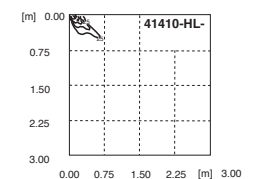
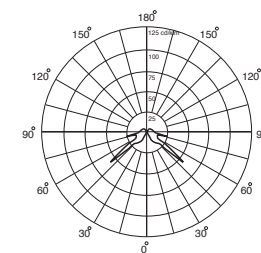
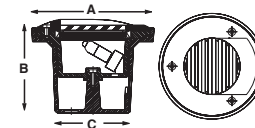
PRODUCT APPLICATION



41410-HL-



41411-HL-



mounting height of lum. : 3.0 m
plane of intensity distribution : 0

ART NO.	PRODUCT	LAMP	A	B	C
41410-HL-	Grill	50 W 12 V	ø113	86	ø72
41411-HL-	Grill	50 W 12 V	ø113	86	ø72

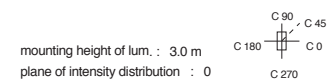
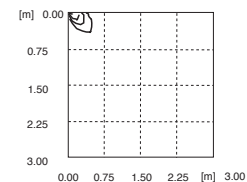
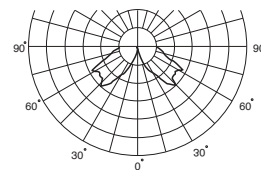
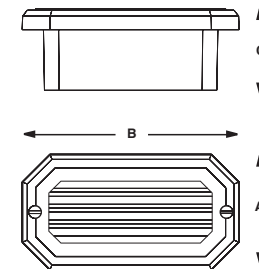
OUTDOOR LIGHTING

Stair luminaires: with a grill, available in unique shapes and elegant designs.

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
- **Lens:** made of clear or sandplasted glass.
- **Protection degree:** IP 54
- **colors:** Available in black, white, grey and green colors.



PRODUCT APPLICATION



ART NO.	PRODUCT	LAMP	A	B	C
41406-IL-	Grill	25 W 230 V	80	150	57

OUTDOOR LIGHTING

Uplight luminaires

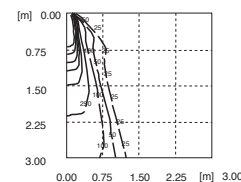
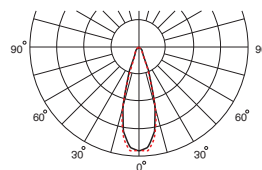
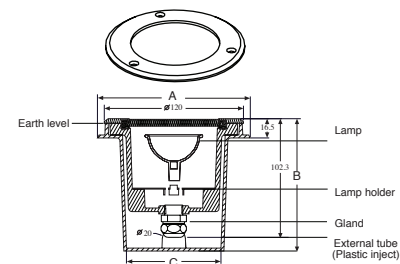
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating with stainless steel screws.
- **Glass:** made of safety and tempered glass type.
- **Protection degree:** IP 67.



PRODUCT APPLICATION



43070-HL-



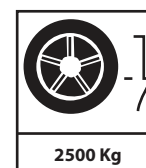
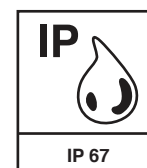
— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	A	B	C
43070-HL-	UpLight	50 W	ø 130	114	ø 81.5



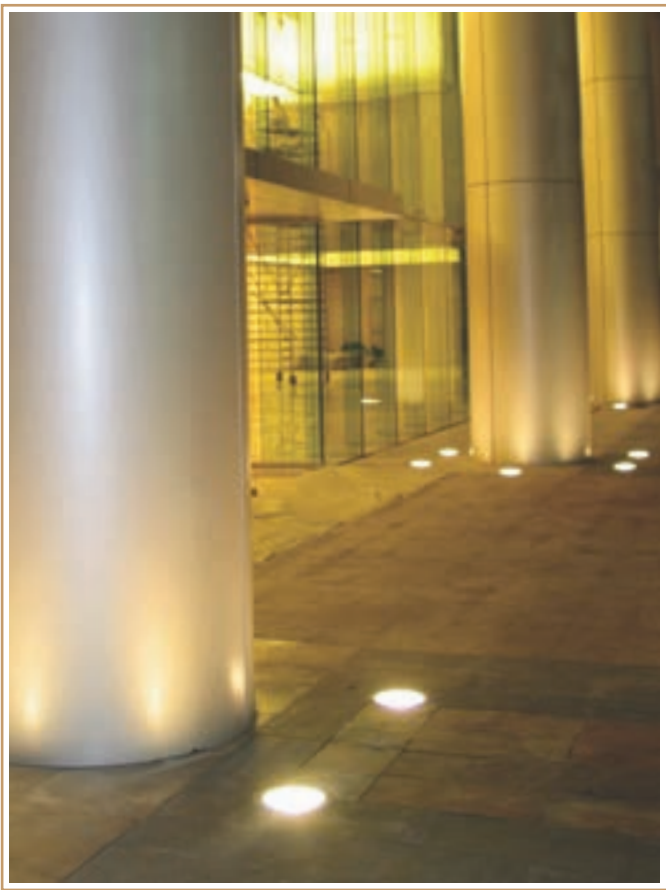
OUTDOOR LIGHTING

Uplight luminaires

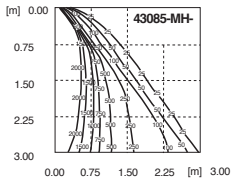
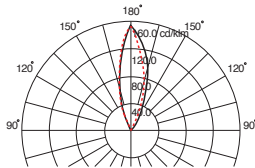
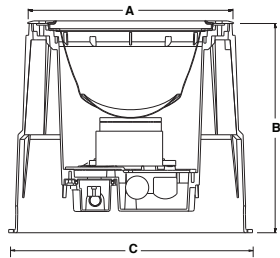
- **Body:** made of plastic polyamide.
- **Face:** made of stainless steel .
- **Reflector** : made of anodized aluminium for direct and oblique lighting.
- **Glass:** made of safety and tempered glass type.
- **Protection degree:** IP 67.



PRODUCT APPLICATION



43080-MH-





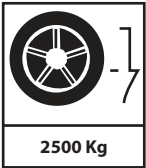
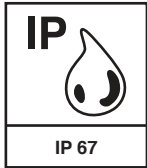
— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	LAMP	A	B	C
43080-MH-	Up Light	 150 W 230 V	Ø 315	320	Ø 370
43085-MH-	Up Light	 150 W 230 V	Ø 315	320	Ø 370



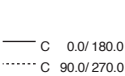
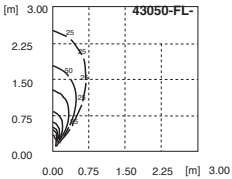
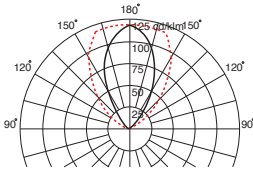
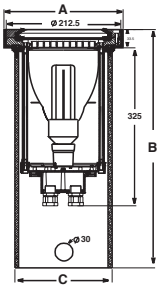
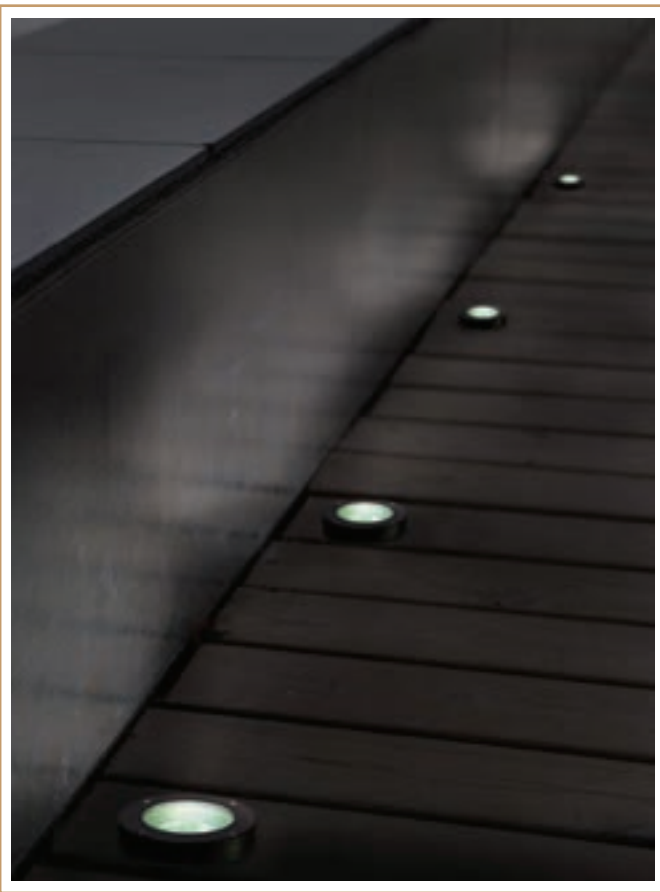
OUTDOOR LIGHTING

Uplight luminaires

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating with stainless steel screws.
- **Glass:** made of safety and tempered glass type.
- **Protection degree:** IP 67.



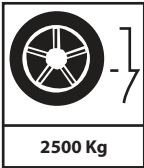
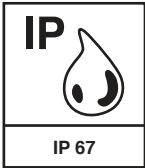
PRODUCT APPLICATION



mounting height of lum. : 3.0 m
plane of intensity distribution : 0



ART NO.	PRODUCT	LAMP	A	B	C
43050-FL-	Up Light	20 W 230 V	220	440	180



OUTDOOR LIGHTING

Up light luminaires

- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating with stainless steel screws.
- **Glass:** made of safety and tempered glass type.
- **Protection degree:** IP 67.



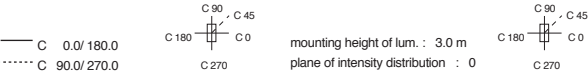
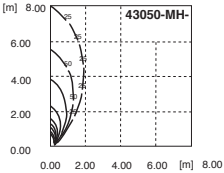
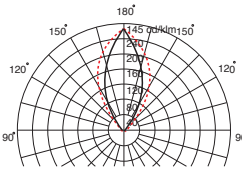
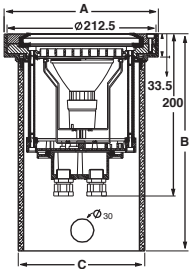
PRODUCT APPLICATION



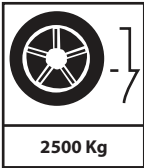
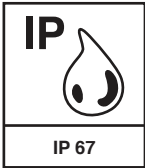
43050-HL-



43050-MH-



ART NO.	PRODUCT	LAMP	A	B	C
43050-HL-	Up Light	75 W 230 V	Ø 220	310	Ø 180
43050-MH-	Up Light	70 W 230 V	Ø 220	590	Ø 180



OUTDOOR LIGHTING

In ground luminaire with round shape.

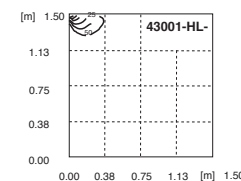
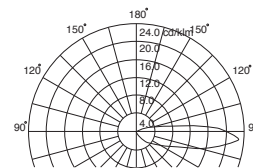
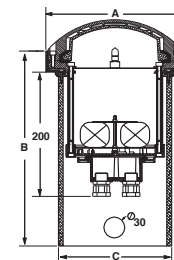
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating with stainless steel screws.
- **Glass:** made of safety prismatic polycarbonate.
- **Protection degree:** IP 67.
- **Lamp:** low voltage tungsten halogen lamp
Qt-ax.50W .12 V G4 6.35 in vertical position
- **Transformer:** from 220 V to 12 V , 50 W .



PRODUCT APPLICATION



43001-HL-



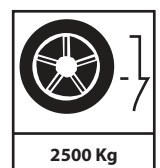
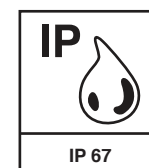
— C 0.0/ 180.0
..... C 90.0/ 270.0

C 90 C 45
C 180 C 0
C 270

mounting height of lum. : 3.0 m
plane of intensity distribution : 0

C 90 C 45
C 180 C 0
C 270

ART NO.	PRODUCT	HOLES	LAMP	A	B	C
43001-HL-	Up Light	1	50 W 12 V	Ø 220	310	Ø 180
43003-HL-	Up Light	3	50 W 12 V	Ø 220	310	Ø 180



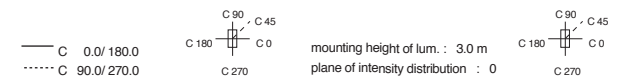
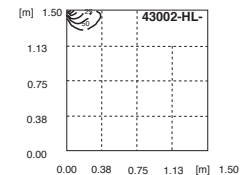
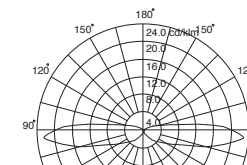
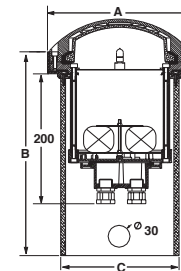
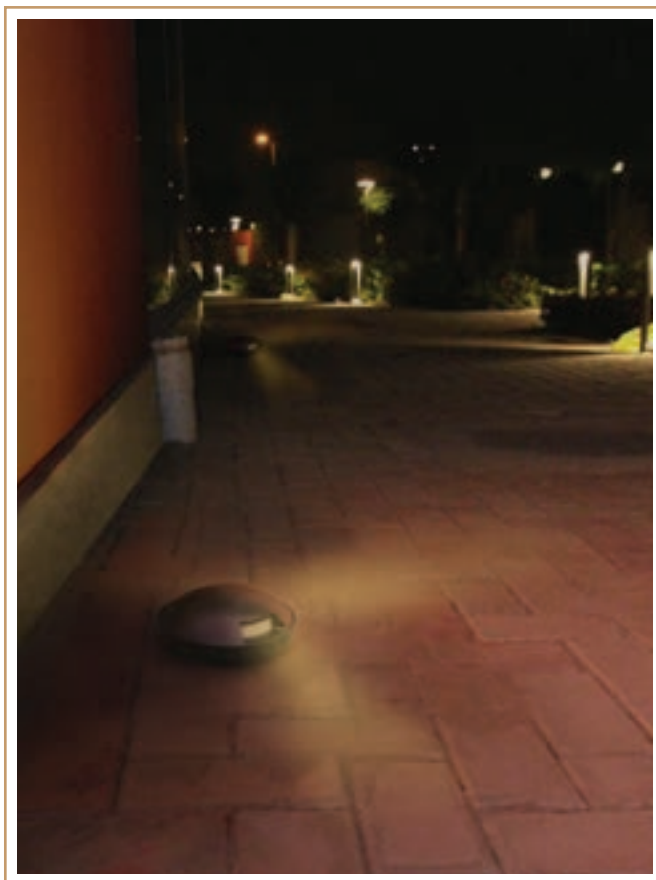
OUTDOOR LIGHTING

In ground luminaire with round shape.

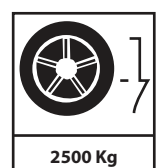
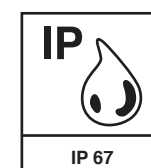
- **Body:** made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating with stainless steel screws.
- **Glass:** made of safety and tempered glass type.
- **Protection degree:** IP 67.
- **Lamp:** low voltage tungsten halogen lamp
Qt-ax.50W .12 V G4 6.35 in vertical position
- **Transformer:** from 220 V to 12 V , 50 W .



PRODUCT APPLICATION



ART NO.	PRODUCT	HOLES	LAMP	A	B	C
43002-HL-	Up Light	2	50 W 12 V	Ø 220	310	Ø 180
43004-HL-	Up Light	4	50 W 12 V	Ø 220	310	Ø 180



OUTDOOR LIGHTING

Earth spike : with single or double lights or mounted box, and can rotate 360°.

- **Body:** made of fiber glass, reinforced plastic with rubber gaskets.
- **Protection degree :** IP65.
- **Color:** Graphite.



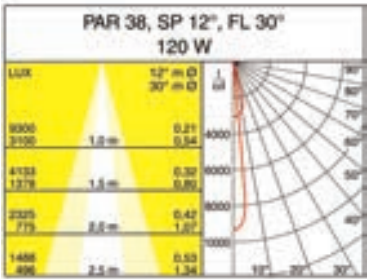
PRODUCT APPLICATION



39060-SL-



39065-SL-



ART NO.	PRODUCT	LAMP	A	B	C
39060-SL-	earth Spikes	120 W 230 V	121	390	178
39065-SL-	earth Spikes	120 W 230 V	121	430	178

OUTDOOR LIGHTING

Earth spike : with single or double lights or mounted box, and can rotate 360°.

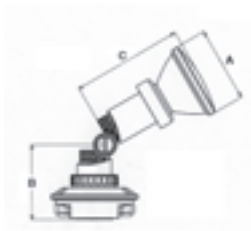
- **Body:** made of fiber glass, reinforced plastic with rubber gaskets.
- **Protection degree :** IP65.
- **Color:** Graphite.



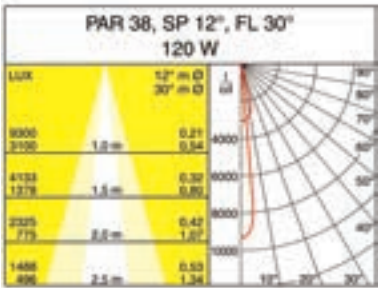
PRODUCT APPLICATION





39070-SL-



39075-SL-



ART NO.	PRODUCT	LAMP	A	B	C
39070-SL-	earth Spikes	 120 W 230 V	121	120	178
39075-SL-	earth Spikes	 120 W 230 V	121	160	178

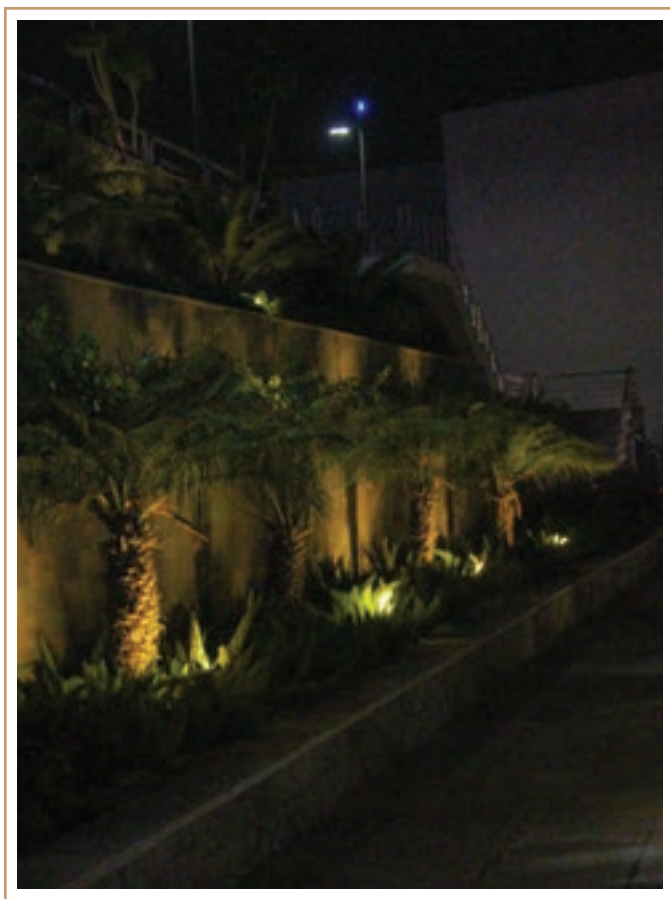
OUTDOOR LIGHTING

Tree spotlights (with earth spikes, can rotate to 180°).

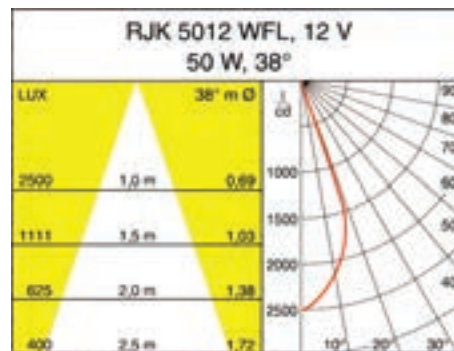
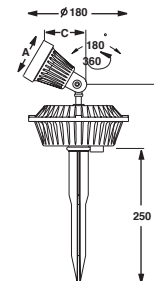
- **Body:** made of die-cast aluminium and painted with polyester electrostatic powder coating.
- **protection degree:** IP 55 .
- **Colors:** Available in white, black, green, gray and any other colors.



PRODUCT APPLICATION



39040-HL-



ART NO.	PRODUCT	LAMP	A	B	C
39040-HL-	earth Spikes	 50 W 12 V	Ø 77	363	78

OUTDOOR LIGHTING

Tree spotlights (with earth spikes, can rotate to 180°).

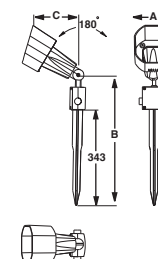
- **Body:** made of die-cast aluminium and painted with polyester electrostatic powder coating.
- **protection degree:** IP 55 .
- **Colors:** Available in white, black, green, gray and any other colors.



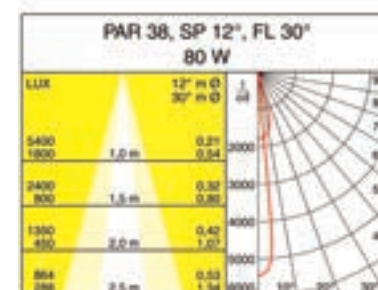
PRODUCT APPLICATION



39011-SL-



39050-SL-



ART NO.	PRODUCT	LAMP	A	B	C
39011-SL-	earth Spikes	100 W 230 V	Ø122	285	156
39050-SL-	earth Spikes	100 W 230 V	135	465	160

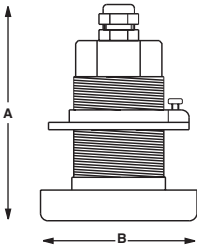
OUTDOOR LIGHTING

Under water lighting units (low voltage).

- **Body** : made of copper plated with nickel glass cover with high resistance to impacts.
- **Protection degree** : IP 67.



PRODUCT APPLICATION



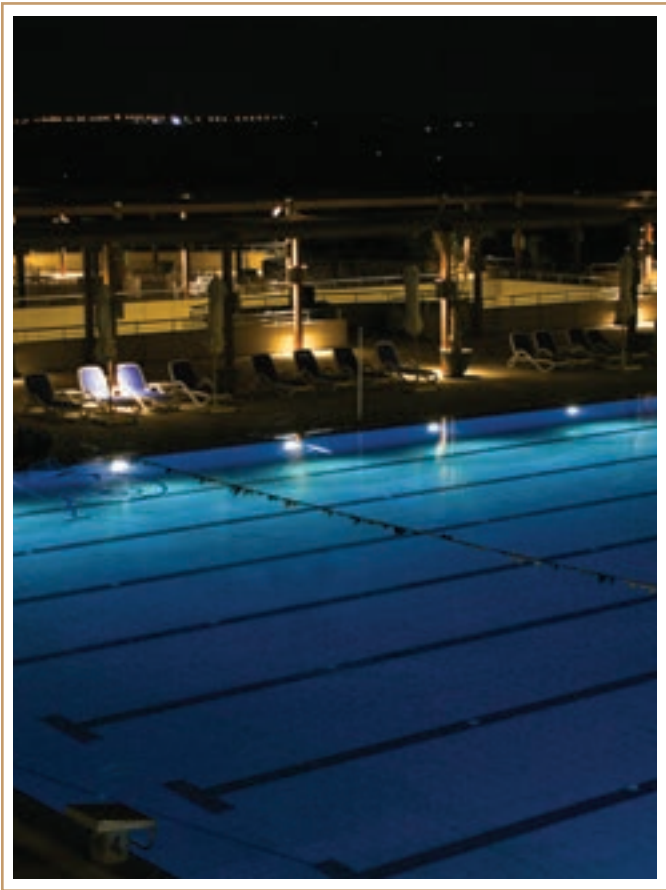
ART NO.	PRODUCT	LAMP	A	B
48200-HL-	under water	 50 W 12 V	100	Ø 87

OUTDOOR LIGHTING

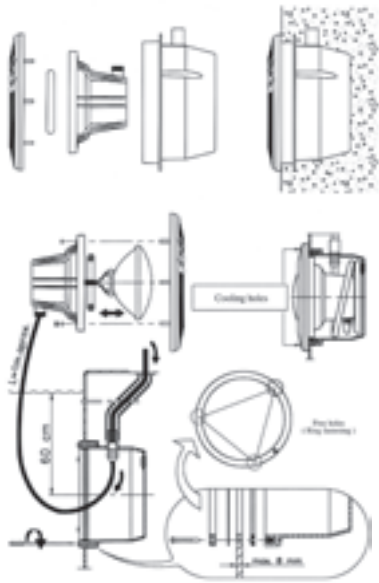
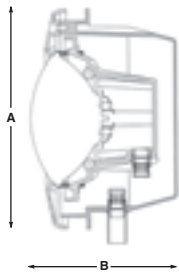
- Under water lighting units (low voltage) .
- **Body** : made of plastic with high resistance to impacts.
 - **Protection degree** : IP 68.
 - **Note** : connecting method is mentioned below .



PRODUCT APPLICATION



49200-SL-

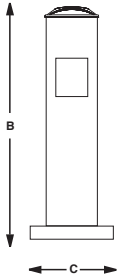


ART NO.	PRODUCT	LAMP	A	B
49200-SL-	under water	 300 W 12 V	Ø 290	173

OUTDOOR LIGHTING



- Permanent connecting pillar .
- Provided with:
 - 2 or 4 safety socket outlets.
 - A circuit breaker switch 10 A, 250 V, 1 pole.
 - **Body**: made of diecast aluminium are treated and painted with electrostatic powder -corrosion resistant- coating.
 - **Protection degree** : IP44
 - **Color** : Available in black, white, grey and green colors.








ART NO.	PRODUCT	SOCKET	A	B	C
38800	Pillar	2		430	190
38805	Pillar	4		430	190

OUTDOOR LIGHTING

COMPANY COLOR INDEX

FOR INDOOR USE

 Co. code 02 RAL 9005	 Co. code 03 RAL 3000	 Co. code 05 RAL 2004	 Co. code 06 RAL 4003		
 Co. code 07 RAL 1018	 Co. code 08 RAL 6001	 Co. code 09 RAL 6017	 Co. code 10 RAL 6019	 Co. code 11 RAL 5010	 Co. code 12 RAL 5012
 Co. code 13 RAL 2211	 Co. code 14 RAL 2212	 Co. code 20 RAL 9016	 Co. code 29 RAL 3005		
 Co. code 24 RAL 1015	 Co. code 26 RAL 4005	 Co. code 27 RAL 8028			
 Co. code 31 RAL 3715	 Co. code 81	 Co. code 81 RAL 3739			
 Co. code 83	 Co. code 87 RAL 5018	 Co. code 90			
 Co. code 71 Chrom plating	 Co. code 74 Brass plated	 Co. code 75 Gold plated			

FOR OUTDOOR USE

 Co. code 41 RAL 9016	 Co. code 42 RAL 9005	 Co. code 43 RAL 7042	 Co. code 44 RAL 6001	 Co. code 51	 Co. code 45 RAL 2076	 Co. code 64
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