

## DESCRIPTION

### Dimensions - Area exposed to wind pressure - Weight

Height	Width	Length	Diameter	Area exposed to wind (S)	Weight <sup>(A)</sup>	Weight <sup>(B)</sup>
700 mm			530 mm	0.230 m <sup>2</sup>	12.0 Kg	10.0 Kg

<sup>(A)</sup> Max weight of light fixture with electromagnetic wiring.

<sup>(B)</sup> Max weight of light fixture with electronic wiring.

### Electrical characteristics (electromagnetic wiring)

Voltage	Frequency	IP	Insulation class	Cos $\Phi$	Oper. Temp. °C
230V	50Hz	66	CL II $\square$ CL I $\nabla$ (on request)	> 0.9	-30... +40

### Electrical characteristics (electronic wiring)

Voltage	Frequency	IP	Insulation class	Cos $\Phi$	Oper. Temp. °C
208-277V	50/60Hz	66	CL II $\square$ CL I $\nabla$ (on request)	> 0.9	-30... +50

### Conformity

	2014/35/UE (LVD)	2014/30/UE (EMC)	2011/65/UE (RoHS)	(ErP)
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### Mounting system

- Light fixture predisposed for the support element (code 4006.330), adapted for post-top mounting.
- The support is equipped of flange with a hole  $\varnothing$  28 mm for mounting to the support, and is generally preassembled on the light fixture.

### Materials

- Die-cast and sheet aluminum (UNI EN 1706).
- Acrylic (PMMA).
- Screws in stainless steel and brass.

### Structure - Main components

- Upper tilting frame with circular shape in die-cast and sheet aluminum, for access to the auxiliary and optical compartment.
- Lower frame with circular shape in die-cast aluminum, composed of a ring with support function to the screen, the optical system and the control gear, designed to be combined with support for post-top installation.
- Wiring plate in sheet aluminum, easily removable.
- Silicone gasket between frames.
- Screens drop shaped in acrylic (PMMA), transparent or frosted.
- Shock resistance: IK06.

### Optics

- Reflector mod. 5 regulable ( $\pm$  12,5°) - street lighting .
- Reflector mod. 7 regulable (+ 12,5°) - street lighting and mixed areas.
- Installation on the side of street.

### Accessories

- Outdistanced decorative ring, in sheet aluminum ( $\varnothing$  750 mm), code 0006.082
- Adherent decorative ring, in sheet aluminum ( $\varnothing$  750 mm), code 0006.083

### Operations and maintenance

- To open the light fixture and to access to the wiring and optic compartment, simply push the two clips springs and rotate the upper frame.
- Automatic disconnector when opening the light fixture.
- Electric auxiliaries individually replaceable.
- During maintenance operations, no part or component is detached from the structure.
- During installation, follow the instructions for the correct optic orientation on the support.
- Periodic maintenance (about once a year) for external cleaning of the structure and screen from dust and smog, and the control of fastening of all screws, must be performed with light fixture switched off and cold.

### Painting

- Standard color is metalized matt dark gray, type Neri.
- Other colours of RAL range on request.
- Information about paint steps used on this product in specific technical sheet.

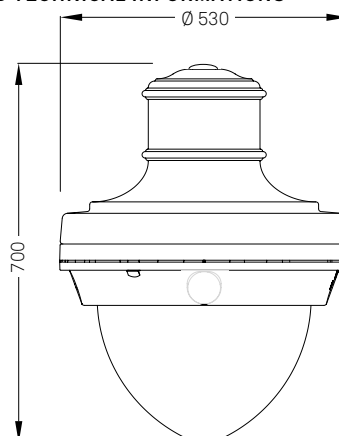
### Note: how to complete the full code (Light fixture + support)

- To complete the configuration of the light fixture, add the code 4006.330 of the support, to the code of light fixture.

### Code construction

To configure the complete code of luminaire, add in sequence after **Serie** code, the others parts of code: Ballast-screen (**SSS**) + Optic (**X**) + Lamp predisposition (**YY**) + Wiring type (**ZZ**). See configurations tables on the following page.

## DRAWINGS AND TECHNICAL INFORMATIONS



Front view



Support for post-top mounting - cod. 4006.330 - Weight Kg 2.8

### DECORATIVE ACCESSORIES



Distanced decorative ring - cod. 0006.082  
Weight Kg 0.8



Adherent decorative ring - cod. 0006.083  
Weight Kg 1.0

## CONFIGURATION WITH ELECTROMAGNETIC WIRINGS

## Screens

Cod. SSS	Light fixture series	Materials	Finiture	Shock R.
<b>A21</b>	<b>233-243-343-373</b>	Transparent flat glass	Transparent	IK08
<b>A09</b>	<b>230-231-232-241-341-371</b>	Acrylic(PMMA)	Frosted	IK06
<b>A11</b>	<b>230-231-232-241-341-371</b>	Acrylic (PMMA)	Transparent	IK06
<b>A41</b>	<b>231-241-341-371</b> (only with wiring <b>36</b> )	Polycarbonate o (PC)	Transparente	IK10
<b>A42</b>	<b>231-241-341-371</b> (only with wiring <b>36</b> )	Polycarbonate (PC)	Frosted	IK10

## Optics

Cod. X	Type	Lighting classes	Classe IES
<b>5</b>	mod. 5 - reg. ( $\pm 12,5^\circ$ )	Street lighting.	Full cut-off
<b>7</b>	mod. 7 - reg. ( $\pm 12,5^\circ$ )	Street and mixed areas lighting.	Full cut-off

- Reflector mod. 5 and 7 regulable, in pressed aluminum sheet, polished and oxidized (thickness 1 mm - purity 99.90%).
- Lampholder regulable for a optimal positioning of lamp.
- Height of installation: from 5.0 to 9.5 meters.

## Wirings (Predisposition for lamps with optical and socket)

Cod. YY	Lamps predisposition	W	Optics	Sockets
<b>32</b>	(MT) Metal halide - (ST) Sodium H.P.	70	5 7	E27
<b>33</b>	(MT) Metal halide - (ST) Sodium H.P.	100	5 7	E40
<b>35</b>	(MT) Metal halide - (ST) Sodium H.P.	150	5 7	E40
<b>36</b>	(MT) Metal halide - (ST) Sodium H.P.	250	5 7	E40

- Electromagnetic ballast with high efficiency (CELMA class EEI=A3 ), with thermal protection .
- Electronic ignitor (pulses until to 4.5 KV).
- Power factor correction capacitor.
- Ceramic lamp holders in relation to the type of lamp.
- Electric components on wiring plate easily removable with plug-in connections.
- Automatic disconnector when opening.
- Terminal board for cables with max section of 2,5 mm<sup>2</sup>.

## Wirings (Characteristics)

Cod. ZZ	Details
<b>19</b>	Insulation class CL II  - Fuse 400V-6.0A gG (8.5 x 31.5 mm) - Aut. disconnector

## Note

- Use lamps with efficiency  $\geq 90$  lm/W. The lamps are not included in the wiring.
- On request can be realized other wiring configurations.

## CONFIGURATION WITH ELECTRONIC WIRINGS

## Screens

Cod. SSS	Light fixture series	Materials	Finiture	Shock R.
<b>E21</b>	<b>233-243-343-373</b>	Tempered flat glass	Transparent	IK08
<b>E09</b>	<b>230-231-232-241-341-371</b>	Acrylic (PMMA)	Frosted	IK06
<b>E11</b>	<b>230-231-232-241-341-371</b>	Acrylic (PMMA)	Transparent	IK06

## Optics

Cod. X	Type	Lighting classes	Classe IES
<b>5</b>	mod. 5 - reg. ( $\pm 12,5^\circ$ )	Street lighting.	Full cut-off
<b>7</b>	mod. 7 - reg. ( $\pm 12,5^\circ$ )	Street and mixed areas lighting.	Full cut-off
<b>B</b>	mod. B - fixed	Mixed areas lighting - strong deep light beam	Semi cut-off

- Reflector mod. 5 and 7 regulable in pressed aluminum sheet, polished and oxidized (thickness 1 mm - purity 99.90%).
- Reflector mod. B, assembled with parts in aluminum sheet polished and oxidized.
- Lampholder regulable for a optimal positioning of lamp.
- Height of installation: from 5.0 to 9.5 meters.

## Wirings (Predisposition for lamps with optical and socket)

Cod. YY	Lamps predisposition	W	Optics	Sockets
<b>C5</b>	CPO-TT (Philips)	90	5 7 B	E40 - PGZ12
<b>C6</b>	CPO-TT (Philips)	140	5 7 B	E40 - PGZ12
<b>C7</b>	CPO-TT (Philips)	210	5 7 B	PGZ18
<b>D5</b>	(ST) Sodium H.P.	100	5 7	E40
<b>D6</b>	(ST) Sodium H.P.	150	5 7	E40

- Programmable electronic ballast with auto self diagnostics functions, protected against short circuit, over-temperature and over-voltages up to 10 kV (EN61547).
- Estimated life B10 a 80.000 h.
- Ceramic lamp holders in relation to the type of lamp.
- Electric components on wiring plate easily removable with plug-in connections.
- Automatic disconnector when opening.
- Terminal board for cables with max section of 2,5 mm<sup>2</sup>.

## Function of electronic ballast

Cod. ZZ	Details
<b>06</b>	DALI - NCL (Neri Costant lumen)
<b>13</b>	NVL6H (automatic control integrated for lighting flux reduction) - 30% for 6 hours

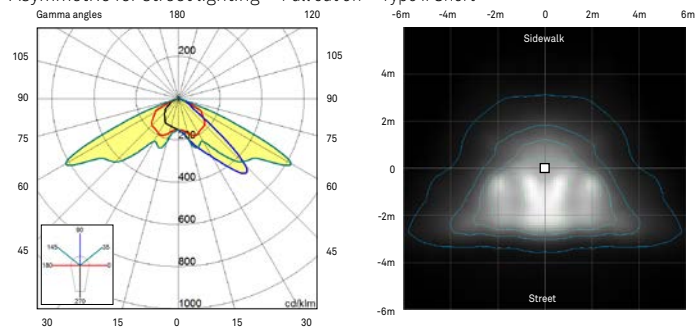
## Note

- Use lamps with efficiency  $\geq 90$  lm/W. The lamps are not included in the wiring.
- **\* Reflector mod. B, only with screen cod. E21, for models: 343 e 373.**
- On request can be realized other wiring configurations.

## PHOTOMETRY OF REFERENCE

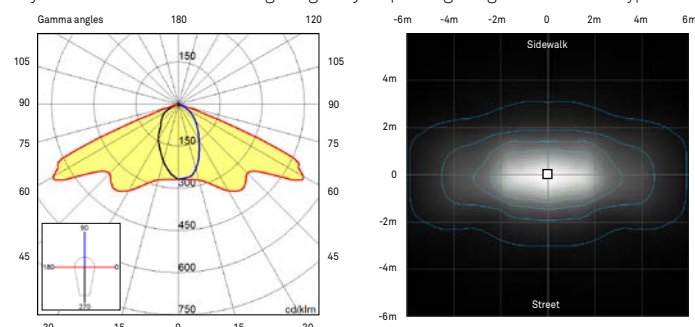
## Reflector mod. 5 regulable (pos. 0°) - Transparent flat screen.

Asymmetric for street lighting - Full cut off - Type II Short



## Reflector mod. 7 regulable (pos. 0°) - Transparent flat screen.

Asymmetric for street centre lighting or cycle path lighting - Full cut off - Type I Short.



## Reflector mod. B - - Transparent flat screen (only for series 343 and 373).

Asymmetric for mixed areas lighting - strong light beam in deep - Semi Cut off

