


The objective behind the *Wide* concept is to create a contemporary lamp that is technologically and formally different from standard products, and principally, that of a clear interpretation of its morphology: A frame that holds the lamp with two lengths adapted to different installed LED technology powers.

LED | CE | UNE-EN 40-5 | Aluminium  |  | IP66 | IK08 |  | ⚡ 10 KV |  9 m/max |  190 kg

 Update 15.10.2018



**Efficient**

Low energy consumption, high light output, with no glass diffuser and a long useful life of its LED modules.

**Innovative**

Heat dissipation throughout its casing and a slidable tray to facilitate the inspection of its electronic components.

**Protected**

IP66 seal, IK08 protection against impacts and protection against transient overvoltages.

**Flexible**

The lamp has two casing sizes that adapt to different installed powers. Its bottom plane allows the free installation of multiple combinations of PCB and optics.

**Adaptable**

The street light unit admits heights between 4 and 9 metres and diverse lamp configurations: single, double or scaled up to a maximum of five units.

**Material**

Lamp made entirely from three anodised aluminium extrusion profiles. Column made from galvanised steel or zinc-plated and primer and polyurethane enamel. Fastening system with a dual, cast flange of anodised aluminium, with easily accessible connection cabling.

**Installation**

All the columns are anchored with a base plate and four threaded bolts to a concrete foundation with the recommended generic dimensions. Unloaded and handled with slings, ensuring the post is protected from grazing.



The wide range of heights and configurations, as well as the versatility of its modules and optics, ensure that it is suitable for a wide variety of urban environments, with optimum and precise light distribution at night and a discreet presence during the day.



WIDE

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## 1. Lighting

Wide	Long	Short
<b>Dimensions</b>	1335 x 230 x 85 mm	1157 x 230 x 85 mm
<b>Weight</b>	12 Kg	9 Kg

## Finish



Matte anodised silver

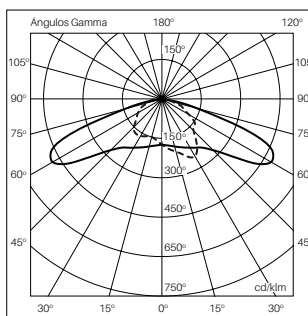
## 1.1 General features

<b>Material</b>	Extruded aluminium, EN AW-6060 T6	<b>Power supply voltage (V)</b>	220 -240
<b>Frequency (HZ)</b>	50-60	<b>Powers (W)</b>	25/ 50/ 75/ 100
<b>No. of LEDs</b>	12/ 24/ 36/ 48	<b>LED intensity (mA)</b>	700
<b>Power factor</b>	0,95 (min)	<b>Colour temperature (°K)</b>	3000 Warm white 4000 Neutral white
<b>Luminous flux (lm)</b>	<ul style="list-style-type: none"> <li><span style="color: yellow;">●</span> Warm white from 2822 to 10773</li> <li><span style="color: grey;">○</span> Neutral white from 2994 to 11673</li> </ul>	<b>Luminous efficiency (lm/W)</b>	<ul style="list-style-type: none"> <li>Warm white from 95 to 100</li> <li>Neutral white from 101 to 110</li> </ul>
<b>FHS light pollution</b>	0,89% (max)	<b>Equipment class</b>	Clase I
<b>IP protection level</b>	IP66	<b>IK protection level</b>	IK08
<b>Chromatic reproduction CRI</b>	70	<b>Luminous flux maintenance</b>	80.000h L70F10 (T 25°C)
<b>Service temperature</b>	de -20 a +50°C	<b>Maximum assembly height</b>	9 m
<b>Surface area exposed to the wind (m<sup>2</sup>)</b>	0,33	<b>Regulation</b>	1 - 10V (DALI opcional)
<b>Overvoltage protection</b>	10KV		

## 1.2. Photometry

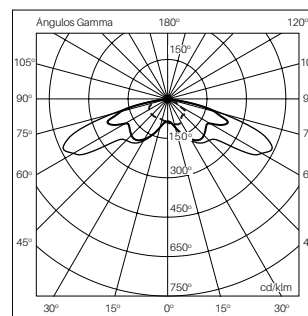
### Light distribution

According to IESNA classification (Illuminating Engineering Society of North America)



**IESNA TYPE III**  
LED3C/ LED3F

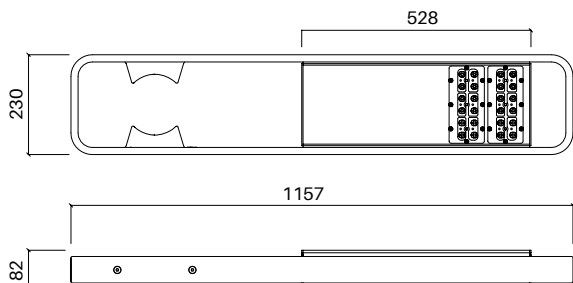
Side asymmetrical



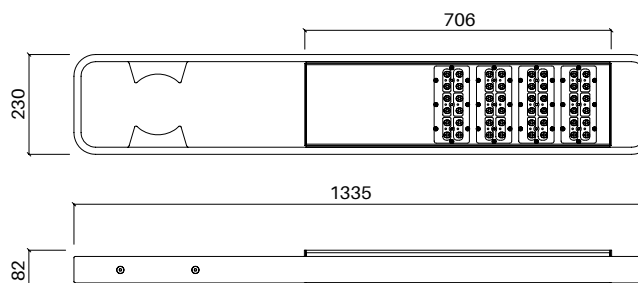
**IESNA TYPE IV**  
LED4C/ LED4F

Front asymmetrical

## 1.3. Design and dimensions

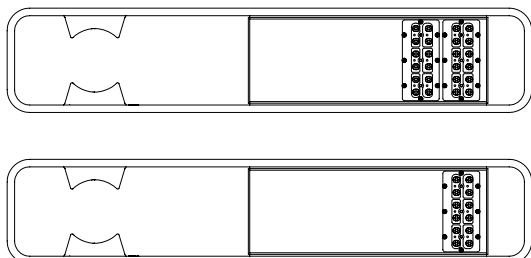


Short. WIDE-LUM-C

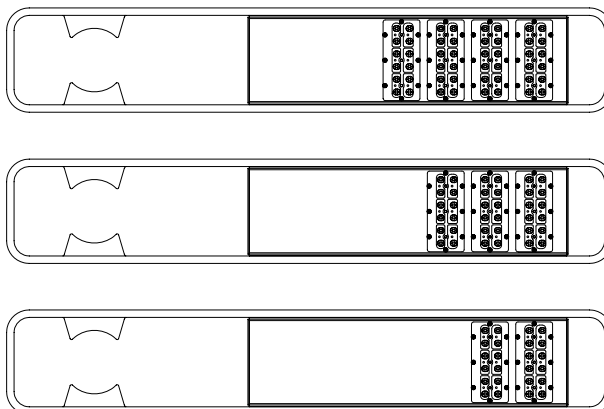


Long. WIDE-LUM-L

## 1.4 Optical distribution unit



Short. WIDE-LUM-C



Long. WIDE-LUM-L

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## 1.5 Table of specifications

Model	Optical type	Number of LEDs	Chromatic reproduction index, CRI	Colour temperature (°K)	LED type	LED intensity (mA)	LED power (W)	Lighting power (W)	Luminous flux (lm)	Luminous efficiency (lm/W)				
WIDE-LUM-C/25WLED3C	LED3C	12	70	3000	Luxeon TX	700	23,5	29,80	2.822,57	94,72				
WIDE-LUM-C/25WLED4C	LED4C													
WIDE-LUM-C/25WLED3F	LED3F			4000							23,4	29,58	2.994,68	101,24
WIDE-LUM-C/25WLED4F	LED4F													
WIDE-LUM-C/50WLED3C	LED3C	24		3000			47	55,30	5.270,25	95,30				
WIDE-LUM-C/50WLED4C	LED4C			4000			46,7	54,80	5.808,47	105,99				
WIDE-LUM-C/50WLED3F	LED3F													
WIDE-LUM-C/50WLED4F	LED4F													
WIDE-LUM-L/50WLED3C	LED3C	36		3000			47	55,30	5.270,25	95,30				
WIDE-LUM-L/50WLED4C	LED4C			4000			46,7	54,80	5.808,47	105,99				
WIDE-LUM-L/50WLED3F	LED3F													
WIDE-LUM-L/50WLED4F	LED4F													
WIDE-LUM-L/75WLED3C	LED3C	48	3000	70,6	81,00	7.852,70	96,95							
WIDE-LUM-L/75WLED4C	LED4C		4000	70	80,80	8.663,28	107,22							
WIDE-LUM-L/75WLED3F	LED3F													
WIDE-LUM-L/75WLED4F	LED4F													
WIDE-LUM-L/100WLED3C	LED3C	48	4000	3000	94,1	106,90	10.641,13	99,54						
WIDE-LUM-L/100WLED4C	LED4C					106,80	10.773,02	100,84						
WIDE-LUM-L/100WLED3F	LED3F			93,4	106,20	11.649,09	109,69							
WIDE-LUM-L/100WLED4F	LED4F				106,30	11.673,37	109,82							

\*Variations optional according to the project

## 1.6 Lighting regulations

UNE-EN 60598-2-3:2003+Corr:2005+A1:2011  
 (in conjunction with UNE-EN 60598-1:2015) UNE-EN  
 62031:2009+A1:2013+A2:2015  
 UNE-EN 50102:1996+A1:1999+Corr:2002+A1  
 CORR:2002  
 UNE-EN 61000-3-2: 2014  
 UNE-EN 61000-3-3: 2013  
 UNE-EN 55015:2013  
 UNE-EN 61547:2011  
 UNE-EN 62493:2011

## 1.7 Advice

The light source of the lightings must be replaced only by the manufacturer or its technical service or by an equivalent qualified person.

The lighting should be installed such that prolonged staring at the lighting from a distance of closer than 2.8 metres is not expected.

## 2. Post

WIDE

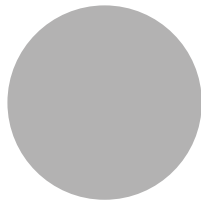
### Wide

<b>Material</b>	Acero S275JR	<b>Weight</b>	100 kg (4 m); 118 kg (5 m); 136 kg (6 m); 154 kg (7 m); 172 kg (8 m); 190 kg (9 m)
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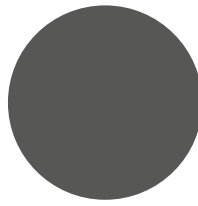
<b>Diameter</b>	140 mm	<b>Thickness</b>	5 mm
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**Finish**

- Two-component, zinc phosphate epoxy primer.
- Two-component polyurethane enamel, satin finish. URKI-NATO SAT, classified M-1 as per UNE 23727:1990. F-1 as per NF F-16101.



**A.** Galvanised



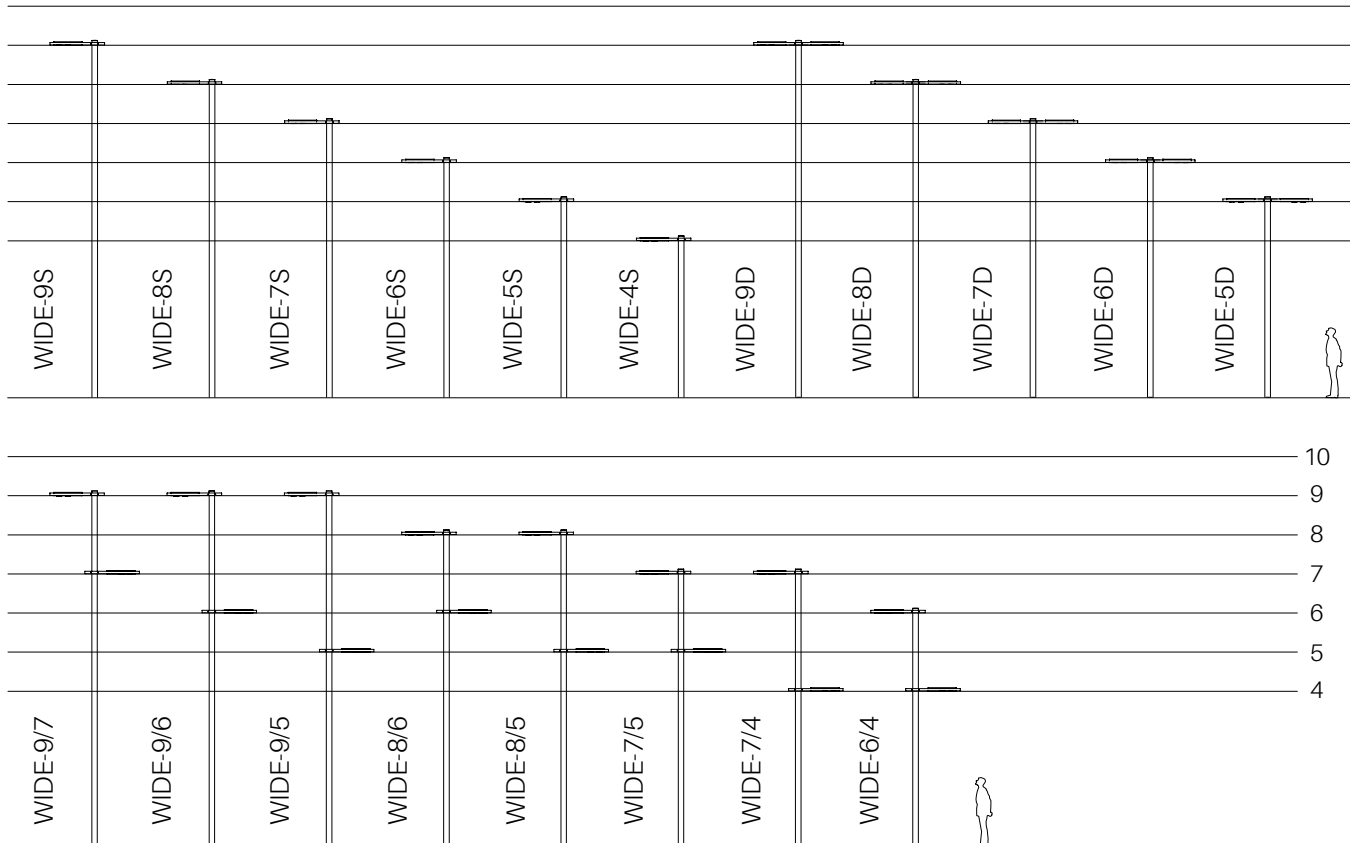
**B.** Galvanised and painted  
RAL 9006 STD C



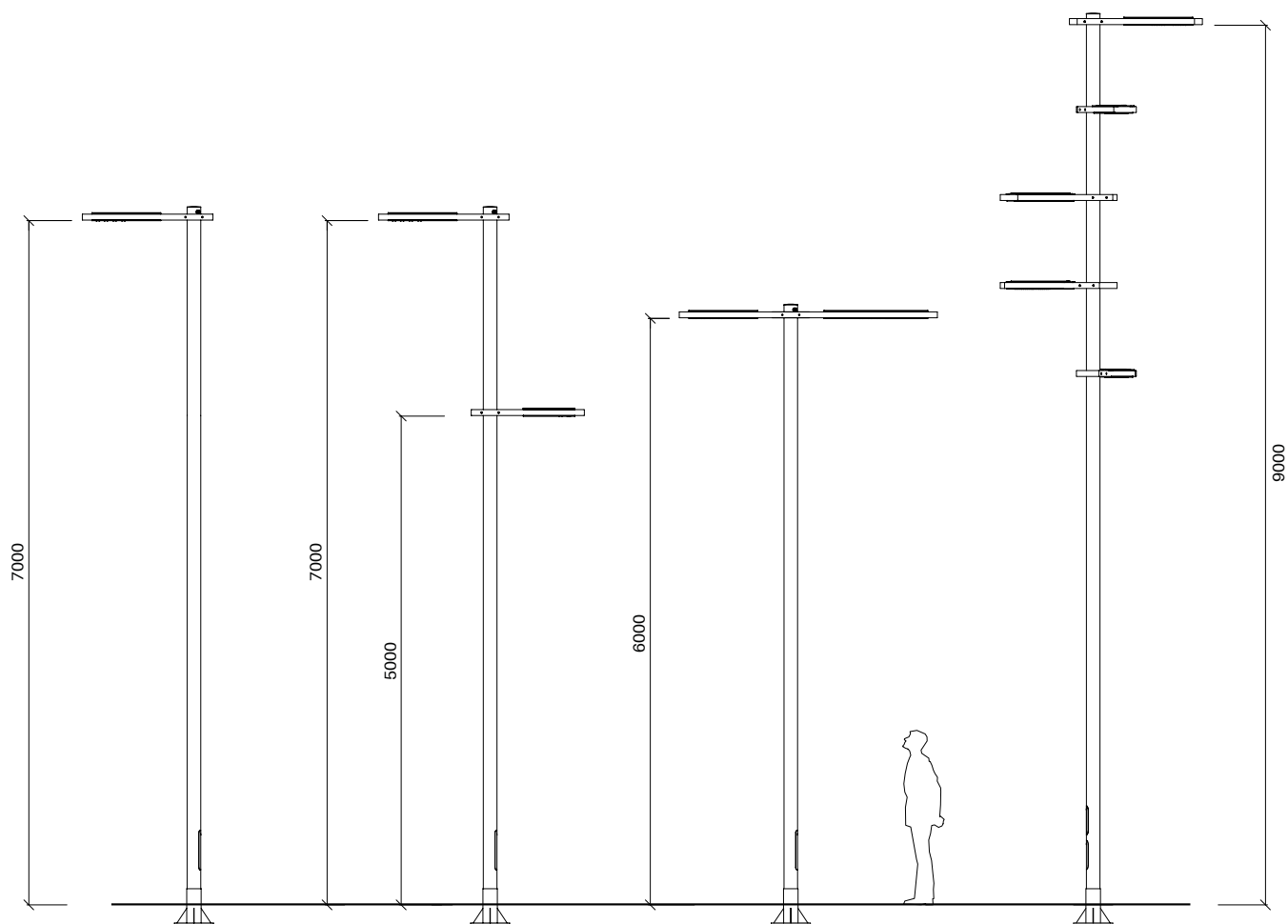
**C.** Hashi wood post

<b>Post regulations</b>	UNE-EN 40-5:2002	<b>Reinforcement</b>	Bottom ring, 4-mm thick
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### 2.1 Configurations



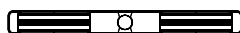
## 2.2 Design options



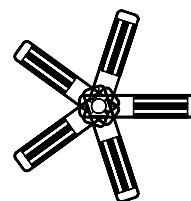
Simple Wide



Double high Wide



Double Wide

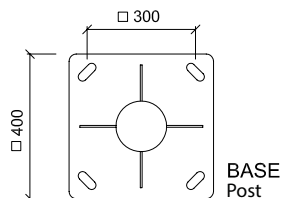


Stair Wide

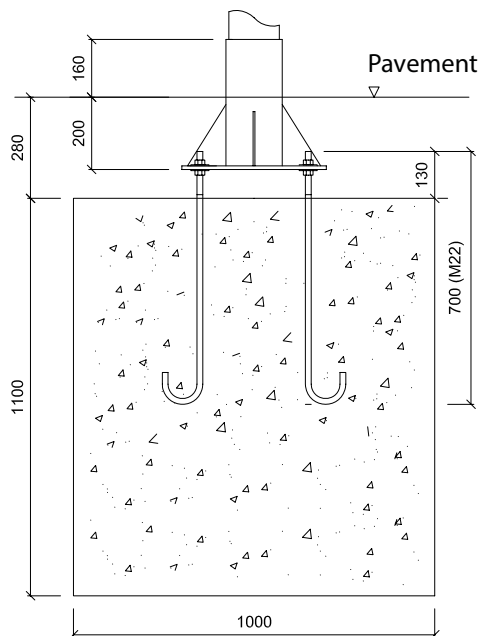
## 2.3 Foundation

**4 bolts**  
M22 x 700mm

**Footing of**  
1000 x 1000 x 1100mm



BASE Post

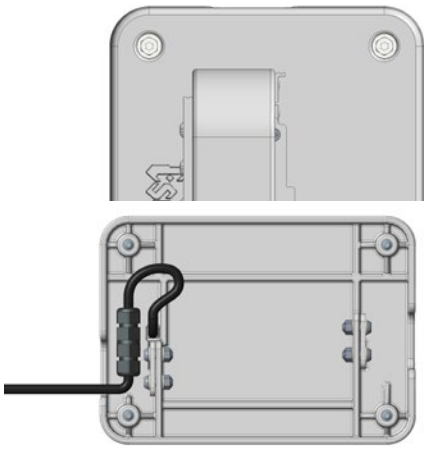
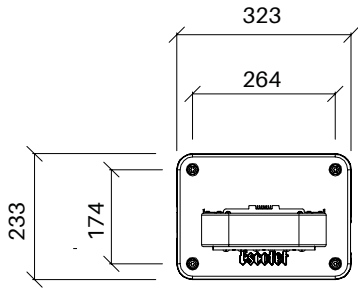


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## 2.5 Wallamp



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The names, trade marks and industrial models of the products have been deposited in the corresponding registries. The technical information provided by Escofet about its products may be modified without prior notice.

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