

## USP 60x60 LED Panel

Infante Series I ASP LED lamps



### Areas of application

- Hotels, Shops and Shopping Centers,
- Museums, Exhibitions, Conferences and Ballrooms
- Business Centers, Offices and Corridors,
- Halls, Living Rooms and Living Areas
- Schools, Hospitals and Public Institutions
- Prefabricated and Modular Campuses

### Products benefits

- Quick , simple and safe replacement without rewiring
- Low maintenance costs thanks to long lifetime
- Instant-on light , therefore ideally suitable in combination with sensor technology

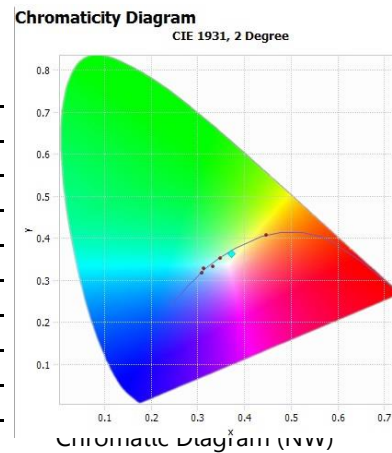
### Product features

- Design: Ceiling LED luminaires with metal frame
- Color Temperature: 2700 - 3000 K ( Warm White ) , 4000 - 4750 K ( Natural White ) or 6500-7000 K (Cool White)
- Mounting Type: Lay on
- Type Of Protection: IP40
- Lifetime: up to 50,000h
- Warranty Time: See Model Options

## Technical Data

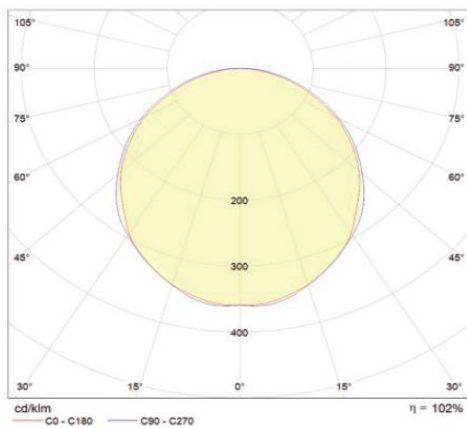
### Electrical Data

Nominal input wattage (AC)	38 W
Lamp output wattage (DC)	33,06 W
Nominal input voltage	220 V AC
Nominal input frequency	50/60 Hz
Nominal input current	0.172 A
Driver efficiency	85-90 %
Lumen/watt	96 lm/w
Power Factor $\lambda$	$\geq 0.90$
Output current tolerance	$\pm 5 \%$

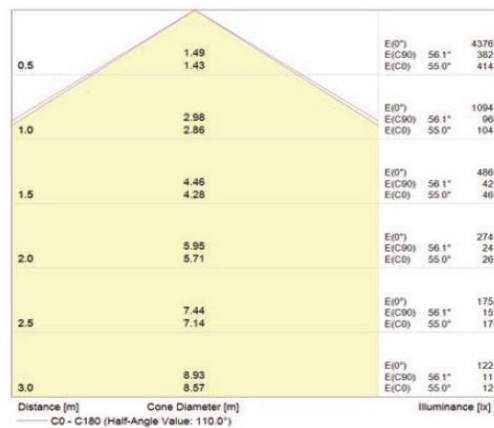


### Phometrical Data

Color temperature	2700 - 3300 K	4000 - 4750 K	6500 - 7000 K
Luminous flux	3550-3650 lm	3650-3750 lm	3750-3800 lm
Light color (Destination)	WW	NW	CW
Color rendering index Ra	> 80 - 85	> 85 - 90	> 82 - 87



Polar Graph for Naturel White Color



Conic Graph for Naturel White Color

### Light technical data

Beam angle	Extremely wide distribution, 120°
Light distribution	Symmetric

### Environmental Data

Operating Temperature	-20 / +50 °C
Storage Temperature	-30 / +60 °C

## Materials

<b>Body material</b>	Sheet Metal
<b>Body color</b>	Ral 9016 bright
<b>Cover material</b>	Sheet Metal
<b>Cover color</b>	Ral 9016 texture matte/Optional

## Capabilities

<b>Type of connection</b>	Cable & connector
<b>Color change</b>	Single color
<b>DALI control</b>	Optional
<b>Dimmable</b>	Optional
<b>Emergency lighting kit</b>	Optional

## Additional product data

<b>Diffuser material</b>	Polystyrene
<b>Diffuser efficiency</b>	80%-86%
<b>Diffuser type</b>	Double Sided Emboss

## Certificates & Standarts

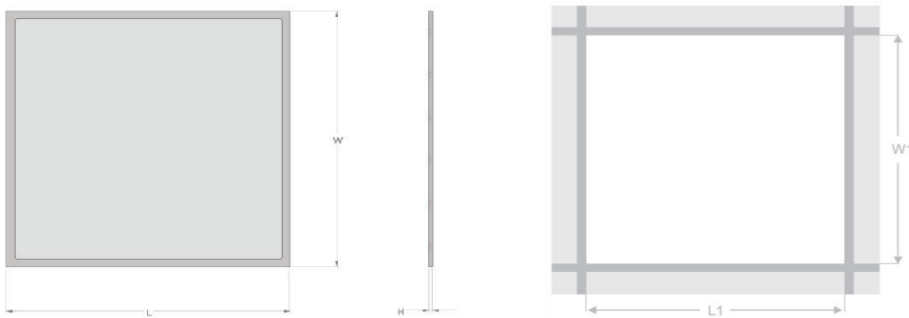
<b>IEC Protection class</b>	Class I
<b>Ingress Protection Rating</b>	IP40
<b>Standarts</b>	TS EN 60598-2-2, TS EN 60598-1 , TS EN 62471, TS EN 13032-1 , TS EN 62031
<b>Certificates</b>	CE, TSE

## Model Options

MODEL	CODE	COLOR MODE	COLOR	LUMEN	CRI	Warranty
BRONZE	ASP.NBL.0606.INF.LYN.BNZ	1	WW/NW/CW	3550	Ra> 80	2 Years
TITANIUM	ASP.NBL.0606.INF.LYN.TNM	1	WW/NW/CW	3650	Ra> 85	3 Years
SILVER	ASP.NBL.0606.INF.LYN.SLV	1	WW-NW-CW	3650	Ra> 80	2 Years
GOLD	ASP.NBL.0606.INF.LYN.GLD	1	WW-NW-CW	3750	Ra> 85	3 Years
PLATINUM	ASP.NBL.0606.INF.LYN.PLT	1	WW-NW-CW	3850	Ra> 85	3 Years

## Dimensions & Weight

<b>Length ( L )</b>	595 mm
<b>Width ( W )</b>	595 mm
<b>Height ( H )</b>	8 mm
<b>Product weight</b>	3,5 kg
<b>Mounting hole length ( L1 )</b>	576 mm
<b>Mounting hole width ( W1 )</b>	576 mm
<b>Mounting type</b>	LAY-ON mounting



## Logistical data

Product code	Product description	Single Packaging Dimensions (L x W x H)	Single Packaging Volume ( dm3 )	Single Packaging Gross Weight	Multi Packaging unit	Multi Packaging Dimensions (L x W x H)	Multi Packaging Volume ( dm3 )	Multi Packaging Gross Weight
	ASP 60x60 LAY-ON	610x610x45 mm	16,7 dm <sup>3</sup>	4,175 kg				

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

## References / Links

[www.okvolight.com](http://www.okvolight.com)

## Disclaimer

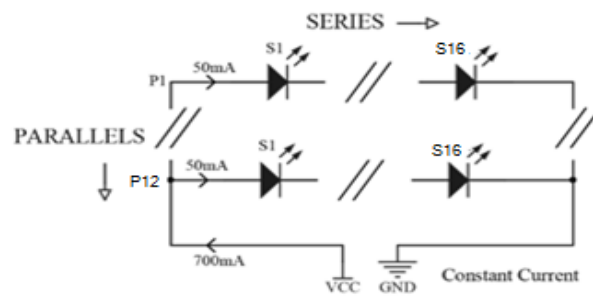
Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.



[info@okvolight.com](mailto:info@okvolight.com)

## PCB data

<b>Material</b>	AL. single layer
<b>Material thickness</b>	1 mm
<b>Copper road thickness</b>	35 $\mu\text{m}$
<b>LED forward current</b>	58,3 mA
<b>Schematic design</b>	

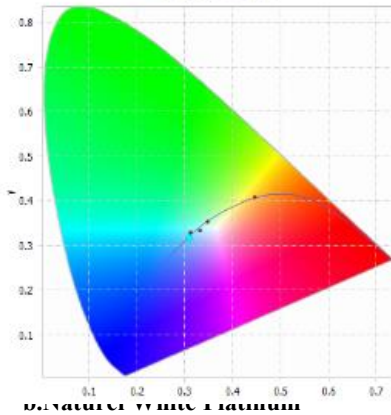


## Spectrometrical data

a. Warm White Platinum

Chromaticity Diagram

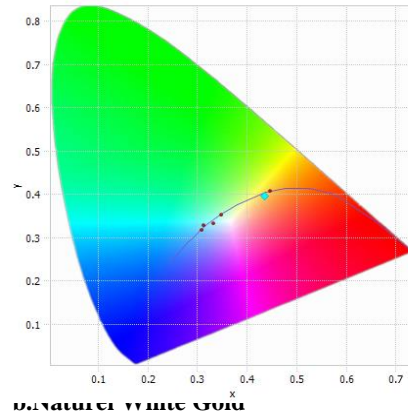
CIE 1931, 2 Degree



a. Warm White Gold

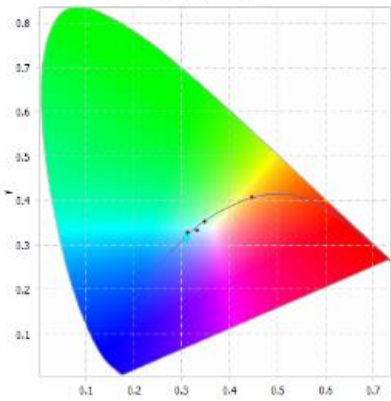
Chromaticity Diagram

CIE 1931, 2 Degree



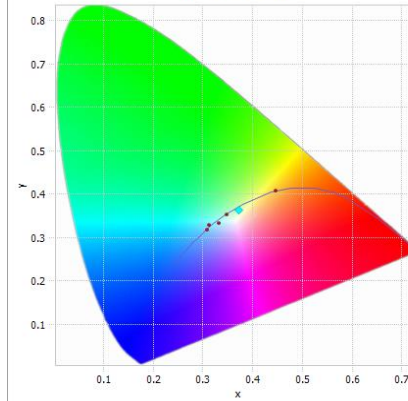
Chromaticity Diagram

CIE 1931, 2 Degree



Chromaticity Diagram

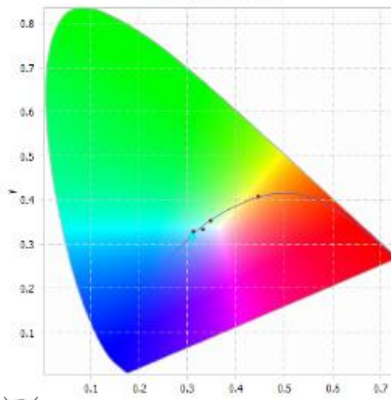
CIE 1931, 2 Degree



c. Cool White Platinum

Chromaticity Diagram

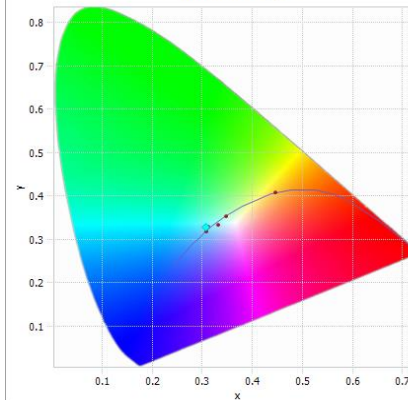
CIE 1931, 2 Degree



c. Cool White Gold

Chromaticity Diagram

CIE 1931, 2 Degree



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