

# IANIRO



On board  
18,7W - 9,3W 12V

code 1970

**Switch & Go: ready for use.**

Power cable and connector Power Tap/D-Mount,  
Four leaf barndoor, CTO 3200° K filter and diffuser

**Category: ENG**

**Application: Broadcast**

The popular Ianiro On Board 12V lights, ALADDIN and DVCam\_light, have been renewed and based on LED technology. Many lights in this segment use older-generation LEDs, which are not efficient for professional television productions.

For the IANILEDs, Ianiro has put together a more careful selection of LEDs and has better engineered the PCB layout. The resulting package is unique in the market; and one exclusive to Ianiro.

The experience gained with IANILEDs has taught us that the selection of precise LED colour groups, suitable for TV productions, combined with custom-designed PCBs that are not commonly available on the market, is a winning choice.

Only very specific selections of LEDs and the customization of their assembly arrays will ensure real efficiency and the right balance between consumption, performance and longevity. The customer receives superb value

for money and avoids the disappointments from inflated expectations of non-professional LED marketing.

ALADDIN LED therefore uses a specific range of the latest-generation "Osram Oslon SSL" LEDs.

OSLON SSL is an exceptionally small light source designed to maximize application efficiency. Mounted in a new LED package specially engineered to enable slim and compact lighting designs, it delivers directed light with outstanding efficiency from an incredibly small source. It's ideal for our compact ALADINO on-board light.

Ianiro Assembly provides a mixed configuration with 6 white LED Oslon with Cx and Cy chromaticity coordinates selected in the group of greatest light output, and an amber LED Oslon - also fully tested - to supplement the native spectrum of white LED. All while maintaining a colour temperature that is ideal for video shooting.

The mix combines the highest possible flux with a natural skin tone and a pleasant light. The decision to develop a more sophisticated assembly compared to off-the-shelf packages stemmed from Ianiro's priority to deliver quality products to cameramen - even for quick and simple ENG shots.

A bad image will always go to the detriment of professional cameramen. Whatever the tools of the trade, they are the ones who are always judged by their images.

The electronic control is both simple and instant compared to the IANILEDs, which are FIELD (not ENG) production lights. It features a Dimmer control only, with a colour temperature kept constant right across the dimmer range. A down conversion to tungsten is made by on-board flip up/ flip down CTO orange filter.

The all-in-one set includes Barndoors and D-Mount / Power Tap connector. So you're "Ready to go".

# Aladdin LED

## Features

- ULTRA COMPACT DESIGN AND ROBUST CONSTRUCTION
- DIMMER FROM 0% TO 100% WITHOUT CHANGE OF THE COLOUR TEMPERATURE
- QUICK WHITE TUNE: WARM - NORMAL - COOL
- 80° WIDE BEAM FOR 16:9 PRODUCTION
- EVEN LIGHT BEAM FROM EDGE TO EDGE, OPTIMIZED WITH THE REFLECTOR
- NO FRAGMENTATION OF THE SHADOWS
- EXCLUSIVE IANIRO ARRAY OF SELECTED LEDS FOR HIGH CRI
- VARIABLE HEIGHT WITH HINGED ARM
- STABLE AND UNIVERSAL CAMERA MOUNTING.
- PLUG-IN INTERCHANGEABLE CONNECTORS  
A(STANDARD: POWER TAP/SONY D-MOUNT TYPE. OTHERS ON REQUEST)
- SUPERIOR QUALITY GERMAN REFLECTOR ALUMINIUM 99,99% EXTRA PURE (HIGHLY REFLECTIVE)

### ELECTRICAL DATA

#### Power Consumption

	OFF	0	350mA	700mA
12V	4mA	11mA	0,78Amp	1,56Amp
14,4V	4mA	11mA	0,62Amp	1,28Amp

#### Power dissipation (to battery)

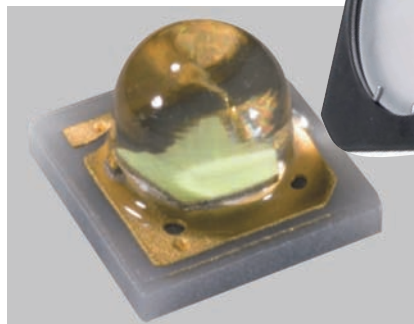
	350mA	700mA
12V	9,36W	18,72W
14,4V	8,93W	18,43W

#### Photometric data

	350mA	700mA	Field
1m	350 lx	610 lx	1,67 m
2m	87 lx	160 lx	3,36 m
3m	39 lx	70 lx	5,03 m

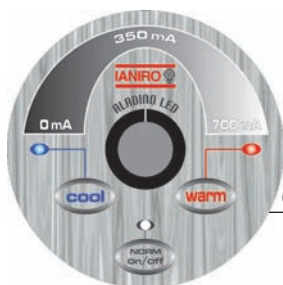
#### Assembly luminance

350mA	700mA
770lm	1386lm



## Features of the Ianiro exclusive array

- 6 Oslon cool white and 1 Oslon amber of Cx and Cy selected groups for a final package colour temperature of 5600°k (+/- 200°k) and HIGH CRI >90. Placed on Ianiro custom PCBs.
- Variable Drive current 350mA (dimmer at 50%) and 700mA (dimmer at 100%).
- White tune quick sets at Normal 5600°k, Warm 4500°k and Cool 6500°k.
- Down conversion filter to 3200°k on board.
- Barndoor on board.
- Diffuser filter on board.
- Dimmable 100% without colour temperature change.
- Beam angle 80°.



On-board quick control panel

## General Features of LED Oslon SSL

OSLON® SSL is a powerful LED offering top efficiency at higher currents up to 1 A. This enables cost-efficient, resource-saving designs that require not only fewer LEDs, but also high light output. So ideal for our professional Aladdin on-board camera light.

OSLON® SSL is also optimized for coupling into secondary optics, designed to meet specific applications like ours, thanks to its 80° viewing angle. The primary lens ensures optimal distribution and consistency within the radiation angle. Also its excellent thermal management fits the critical conditions of use that Aladdin demands.

- SMD ceramic package with silicon resin with lens
- Lead free (Pb), RoHS compliant
- Small size (3x3mm) high-flux LED for slim designs and high density arrays
- Viewing angle 80°. Maintained by the Aladdin design
- Lifetime of up to more than 50,000 hours, depending on conditions of use.
- **Anti-droop improvement**

The droop is the progressive decrease of the luminous efficiency in respect of an increase of the driven current: doubling the current, the luminous flux is not doubled, but just 50% more. This behaviour makes it inefficient to deliver small LED fixtures at high current.

Oslon brings this ratio to an excellent 1:8, making it convenient to offer the cameramen a light with both 350mA and 700mA option, by just a simple and quick on board dimming.



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