SWIT®

CHIP ARRAY LED

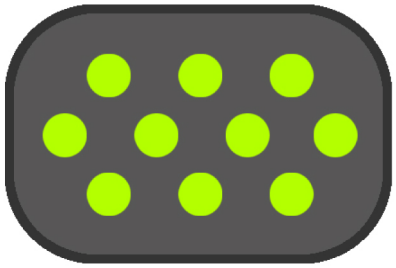
The new generation technologies of LED on-camera light

Introduction:

LED has taken place of Halogen bulb at broadcast on-camera light since 6 years ago, for its high efficient output, low power consumption and long life. However, due to the obvious disadvantage of glaring, multiple shadows and shining, people still can't give up the Halogen bulb that can feed soft light.

Now SWIT has brought out a new LED technology into on-camera light, called Chip Array LED light, which integrates the LEDs into a chip, with high brightness output but in smaller size, and the most remarkable, it offers a equally spread, soft, glareless light similar to the old Halogen bulb light.

The traditional LED array always generates several highlight pots on retina and people will feel glaring, even can't recover sights after a few seconds. In comparison, the SWIT Chip Array LED light has only one bulb in appearance, and adopts the reflective bowl to output a glareless light.



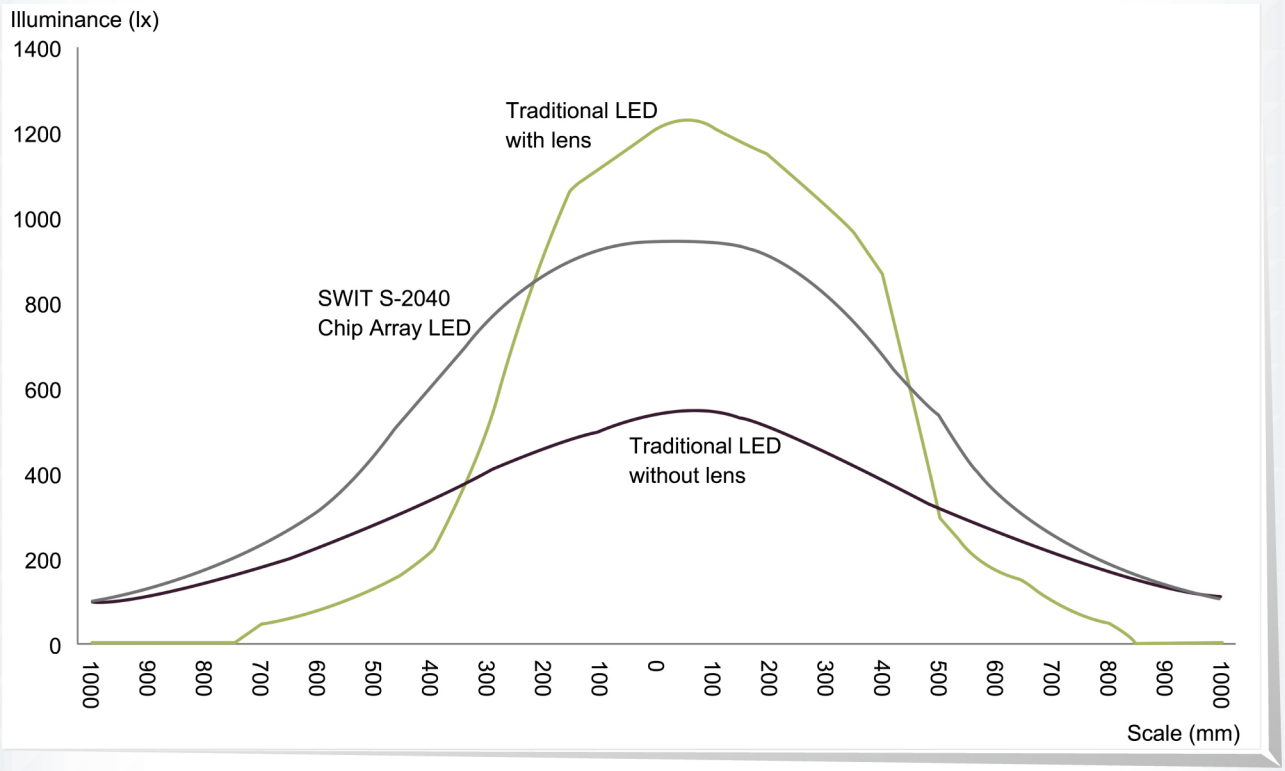
Traditional LED array

Chip array LED

The product:

SWIT S-2040 Chip Array On-camera LED light

Brightness and beam angle test:



The traditional LED lights use lens to converge beam and get a higher brightness, as a result, the effective lighting scale is limited. Normally we say if the illuminance drops to a half, it is considered ineffective lighting scale. So according to the above illuminance-scale chart, in 1 meter lighting distance, the traditional lens converged LED light has only 600mm diameter scale, about 33°beam angle; While SWIT S-2040 chip array LED light has 1000mm diameter scale, about 55°beam angle.

The lens converged light has higher brightness in the center, but less effective lighting scale. See the following real beam effects: (Shooting and lighting distance: 3 meters; camera focal length: 27mm)

S-2040 Chip Array LED:
55°beam angle, no visible edge

Traditional LED with lens
33°beam angle, with visible edge, less effective

S-2040 Chip Array LED:
Single shadow, soft

Traditional LED:
Multi shadows, glaring

Specifications:

SWIT first chip array LED on-camera light S-2040 has been released, and started a new generation of LED on-camera lighting. It has 6- 17V wide input voltage, interchangeable DV mount and D-tap power supply, color temperature switching, dimmerable, cold-shoe and screw mount support. See the specifications in detail:

Input voltage	DC 6V-17V
Power consumption	23W
Equivalent ourput	80W
Beam angle	H55°/ V55°
Color temperature	5000K and 5600K/3200K switchable
Color rendering index	85
Illuminance	900Lx @ 1m distance and 1m diameter scale
Power connector	D-tap cable, DV mount connection
Weight	500g
Dimension	78×156×102mm

>>> For more information, please visit: http://www.swit.cc
Find a local distributor at: http://www.swit.cc/EN/Distributor.aspx

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