

Sync Lamp

**NANO**


# High Power LED Lightning



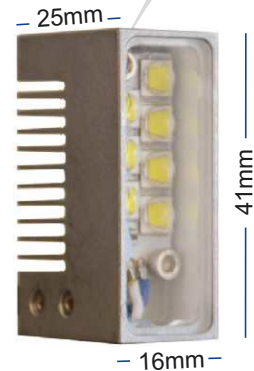
## Highlights

- Nano-7/ Nano-14
- 7 LEDs / 14 LEDs
- 7,000 lm / 14,000 lm
- Extremely compact 41 x 16 x 25 mm / 41 x 28 x 25 mm
- Light weight 25/ 40 g
- Flicker-free, daylight
- Aperture angle 110°
- Synchronization with a high-speed camera

# Sync Lamp NANO High-Power LED Lighting

 High-power LED lighting - perfect for confined spaces.

The NANO High-Power LED Heads have been developed for use where space is limited, but where maximum lighting power is required. The wide aperture angle of 110° enables illumination of large areas. The colour temperature of 6,500 Kelvin is close to daylight and optimal for colour sensors. Objects under examination are not exposed to any thermal stress.



The NANO heads can be operated permanently at 100% light output for approx. 15 sec. When used in synchronous operation with a high-speed camera, they will remain operational longer, according to the individual lighting periods.

## → Technical Data

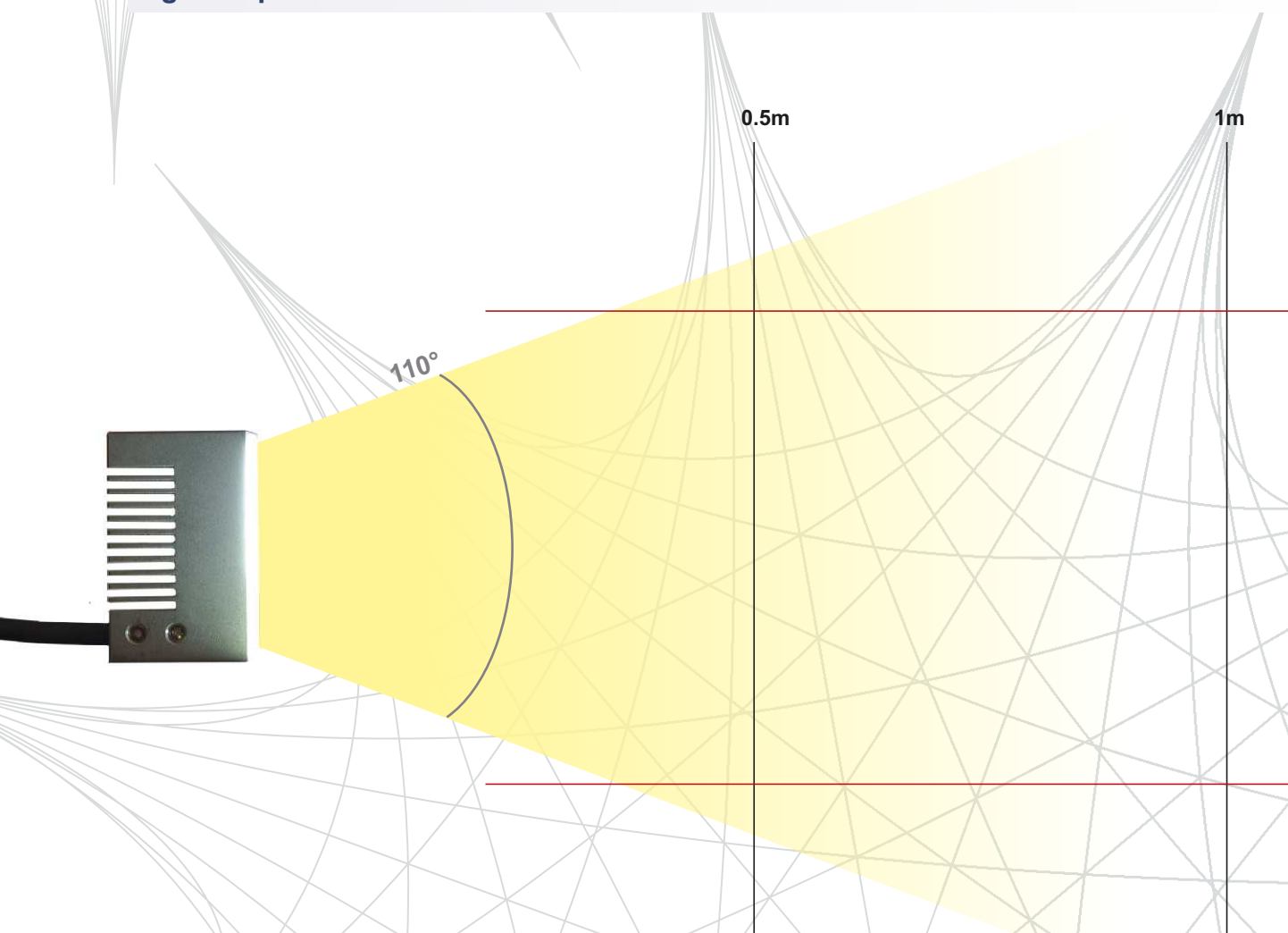
NANO LED heads	LED Head NANO 7	LED Head NANO 14
Light Output:	7.000 lm	14.000 lm
No. of LEDs:	7	14
Beam Angel:	110°	110°
Colour Temperature:	6.500° Kelvin	6.500° Kelvin
Power Comsumption:	75 W	150 W
Sync. Frequency:	200µ sec.	200µ sec.
Sync. Signal	5 V TTL	5 V TTL
Dimensions:	41 x 16 x 25mm	41 x 28 x 25mm
Weight:	25 g	40 g

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Sync Lamp  
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# High-Power LED Lighting

Light output measured in lux



LED Head NANO Permanent lightning **100% light output**  
Aperture angle 110°

LED Head NANO 7	9,000 lux	2,300 lux
LED Head NANO 14	17,000 lux	4,200 lux

# Sync Lamp NANO

# High-Power LED Lightning



Up to eight NANO-7 heads or four NANO-14 heads can be connected to one control unit. Over the various signal inputs, the lighting system can be adapted to the most varied requirements. The gigabit Ethernet interface and VISART software enable control of the LED heads and setting of parameters.

## → Technical Data

NANO Control Unit	
NANO 7 LED heads (max.):	8
NANO 14 LED heads (max.):	4
Input Voltage:	22 - 26 VDC
Power Consumption (max.):	600 W
Brightness Levels:	4
Sync. Frequency:	200µ sec.
Sync. Signal:	5V TTL
Dimensions:	185 x 150 x 38mm
Weight:	1,2 kg



The optional HSV Power Box enables operation independent of a local mains power supply. This compact rechargeable battery with a KT housing format, provides 1,200 watts at 22 – 26V DC; available from two separate pairs of outputs.

HSV-Power Box	
Output Voltage:	22 - 26 VDC
Output Power:	1,200 W (7,5 Ah)
Outputs:	2 x 2
Charging Voltage:	48 VDC, 2,5 A
Dimensions:	272 x 120 x 93mm
Weight:	5.9 kg

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