

# MACHINE VISION ILLUMINATION DEMO CASE

K-022-01

Get your camera connected to one of the power supply clamps and test your lighting principle and wavelength at your site.

EASE OF USE IN A COMPACT SIZE

LIGHTS WITH DIFFERENT WAVELENGTHS

EXTERNAL DEVICE POWER SUPPLY CLAMPS

COMPREHENSIVE SET OF LIGHT PRINCIPLES



## DEMO SET FUNCTIONALITY & SET UP

Demo Case includes 5x lighting principles, 14x lights, 3x dimming + 3x regular channels, 4x 24V power supply clamps for external devices, interchangeable diffusers with the opacity of 38, 50 and 68%, interchangeable optics for Ring, Bar and Spot lights, 2x polarization filters, 5x M8/4pin and M8/3pin cables, 6x switch change-over switch for ease on/off operation mode.

### BAR LIGHT

For both intense, direct bright and dark field illumination. Includes 2x Bar Lights with interchangeable optics (line, narrow & broad) - LL-150 (white), 3x High Power Bar Lights - LL-130 (red, infrared and blue).

### RING LIGHT

For intense, direct illumination in the camera lens axis. Includes 1x Ring Light with interchangeable optics (30°, 60°, 90°) - RL-100-II (white).

### SPOT LIGHT

Intense, direct illumination of remote objects, codes and surfaces. Includes 5x Spot Lights with interchangeable optics - SP-27 (white, ultraviolet, blue, green and infrared). 1x easy to mount polarization filter, 1x additional optics with the output light radiation of 10° and an optic-replacement tool. SP-27 Spot Light might be also equipped with a C-mount thread adapter, which makes the light to be used with a C-mount camera lens of your choice. The output light intensity might be regulated either by an analogue signal, PWM or an integrated trimmer. Demo case also includes 1x Zoom Spot Light - SP-50 (white), which enables to change the light radiation angle from 140 to 460 degrees, 1x polarization filter.

### LOW-ANGLE RING LIGHT

Direct, homogeneous lighting in the camera axis. Maximize the light spread towards the inspected object or surface centre. Includes 1x Low Angle Ring Light - LA-70 (white).

### BACK LIGHT

For objects contour inspection. Includes 1x Back Light - BL-85 (White).

### POWER SUPPLY

Maximal output power makes 336 W. Integrated electronical fuse for overloading protection with automatic recovery function after output load drop. Individual channel overload fuse reset requires disconnection of the load and re-switching power supply button.

## DEMO SET CONTENTS

Light Principle	Model	Color	Accessories
3x <b>High Power Bar Lights</b>	LL-130		3x <b>Diffusers</b> 38   48   67% opacity
2x <b>Bar Lights with interchangeable optics</b>	LL-150		2x <b>Optics</b> Broad   Narrow
5x <b>Spot Lights</b>	SP-27		1x <b>Circular polarization filter</b>   <b>Optics</b> 10°
1x <b>Zoom Spot Light</b>	SP-50		1x <b>Circular polarization filter</b>
1x <b>Back Light</b>	BL-85-4S		
1x <b>Low Angle Ring Light</b>	LA-70		
1x <b>Ring Light</b>	RL-100-II		1x <b>Set of Optics</b> 30°   60°   90°
1x <b>Power Supply 24 V DC</b> - 4x clamps for external devices			

## POWER SUPPLY ELECTRIC PARAMETERS

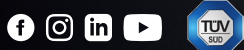
$U_{in}$ Nominal Voltage	<b>230 V   50 Hz</b>	$F_{in}$ Input Voltage Protection	<b>5 A   250 V</b>
$U$ Nominal Voltage Span	<b>176 ~ 264 V</b>	$F_{out}$ Output Voltage Protection	<b>10 A   24 V</b>
$I_{max}$ Maximal Current	<b>14 A</b>	$t_a$ Ambient Temperature	<b>(-20) — (+40) °C</b>
$P$ Input Power	<b>336 W</b>	IP IP Category	<b>IP40</b>
$U_{out}$ Output Voltage	<b>24 V DC</b>	Light Output Protection	<b>Electronic Fuse (max. 4 A)</b>
$I_{out}$ Maximal Output Current	<b>10 A</b>	Protection Category	<b>III</b>

## DIMENSIONS & WEIGHT

<b>A</b> Length [mm]	460
<b>B</b> Width [mm]	340
<b>C</b> Height [mm]	160
Weight [kg]	7.2

SmartView

**YOUR  
VISION  
PARTNER**



### COMPANY OFFICE

Smart View s.r.o.  
Nivy 313  
765 02 Otrokovice  
Česká republika

+420 601 575 797  
+420 602 457 497

info@smartview.cz  
www.smartview.cz

### OUR SALES PARTNERS SLOVAKIA

MTS, spol. s r.o.  
Krivá 53  
027 55 Krivá  
Slovensko

+421 43 5819 111

mts@mts.sk  
www.mts.sk