



Spot on with Basler Lighting Solutions.

Lighting plays a crucial role in a vision system. The correct light, combined with other image processing components (such as the camera and lens), delivers the best possible results for your vision system. There is no other component in a vision system that can fully compensate for poor lighting. Choose the right light early in the design process to ensure excellent performance while saving time and money. With Basler lighting solutions and their highly flexible range of industrial-graded components and system variations, this is now especially easy.

Basler SLP. Reduced Complexity. Simplified Setup. Smooth Operation.

Our unique SLP camera feature will help you save valuable time thanks to the perfect and fully automatic synchronization of camera and lighting. Control your lighting via one single software interface, the pylon Camera Software Suite. Simplify the setup for your vision application, get easy access to the popular strobing and overdrive functions and ensure a smooth operation with Basler SLP. You can choose between three solutions.

Highlights of the Basler Premium Product Line

SLP feature is embedded in pylonCamera Software Suite

- One interface only
- Easy operation

Direct communication between camera and light

- Synchronization of the camera and lighting is fully automatic
- Time savings

Simplified strobing & overdrive

- Longer lifetime or more light intensity achievable even for non-expert users
- Material cost savings

For more information, please visit baslerweb.com/lighting



For more information please contact:



BOCK OPTRONICS INC.
14 Steinway Blvd., Unit 7
Toronto, Ontario M9W 6M6

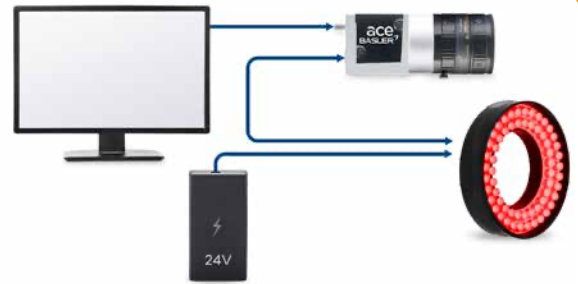
Tel: (416) 674-2804
sales@bockoptronics.ca
www.bockoptronics.ca

THE RIGHT LIGHTING FOR YOUR VISION APPLICATION

BASIC SOLUTION

Basler Lights - Standard

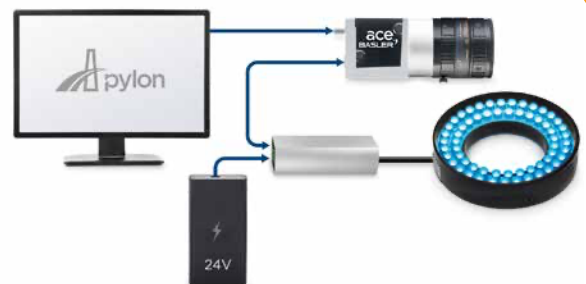
- Basic set up via plug & play
- Cost-effective for low- complexity applications
- Smooth design-in process through well-matched vision components



EASY & LEAN SOLUTION

Basler Lights - Premium

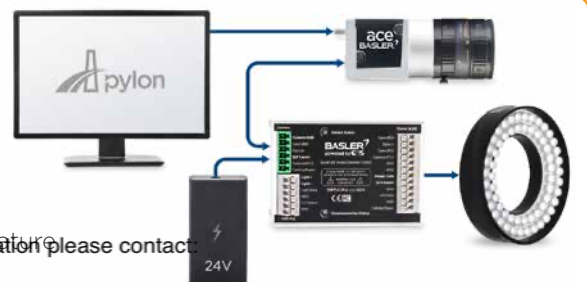
- Easy integration through pylon Camera Software Suite
- Lean components through integrated LED controller
- Smart synchronization of light and camera with the Basler SLP feature



EASY & FLEXIBLE SOLUTION

Lighting Controller - Premium

- Easy integration through pylon Camera Software Suite
- High flexibility in choice of lights and system variations
- Smart synchronization of light and camera with the Basler SLP feature



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BASLER LIGHTS – STANDARD

	Back Light	Bar Light	Flatdome Light	Dome Light	Wide Bar Light	High Power Wide Bar Light
LED color (peak wavelength; typical)	White (5000K), Red (625 nm), Blue (465 nm), IR (850 nm)					
Degree of protection	IP54					
Dimensions [mm]	100×120×12 120×150×12 120×250×12 220×250×12 220×350×12	18×110×20 18×175×20 18×210×20 18×310×20 18×410×20 18×510×20	90×130×12 140×130×12 140×230×12 240×230×12 240×330×12	100×100×52 150×150×80 250×250×129 350×350×179	54×110×23 54×215×23 54×310×23	54×110×23 54×215×23 54×310×23
Input voltage	24 VDC (+/- 5 %)					
Power consumption (voltage-/current controlled)	6-28 W / 300-1500 mA	3-14 W / 150-900 mA	6-28 W / 300-1500 mA	6-22 W / 300-1500 mA	8-24 W / 450-1800 mA	11-32 W / 120-2000 mA
Lighting modes	Current controlled (when used with external light controller) / Voltage controlled (24V steady light and triggered light)					
Pulse width	100 μs – ∞ ms					
Conformity	RoHS, CE, UKCA, FCC, KC					

BASLER LIGHTS – STANDARD

	Ring Light	High Power Ring Light	Darkfield Light	Spot Light	Coaxial Light
LED color (peak wavelength; typical)	White (5000K), Red (625 nm), Blue (465 nm), IR (850 nm)				
Degree of protection	IP54				
Dimensions [mm]	80×92×12 130×141×12	130×141×12	130×141×12	56×46×46	150×150×150 250×250×250
Input voltage	24 VDC (+/- 5 %)				
Power consumption (voltage-/current controlled)	6-11 W / 300-900 mA	11 W / 600-900 mA	6 W / 300-450 mA	8 W / 600 mA	11-22 W / 600-1500 mA
Lighting modes	Current controlled (when used with external light controller) / Voltage controlled (24V steady light and triggered light)				
Pulse width	100 μs – ∞ ms				
Conformity	RoHS, CE, UKCA, FCC, KC				



BASLER LIGHTS - PREMIUM

	Ring Light	Bar Light	Back Light	Flood Light
LED color (peak wavelength; typical)	White (5500K), Red (630 nm), Blue (470 nm)	White (5500K), Red (630 nm), Blue (470 nm)	White (6000K), Red (635 nm), Blue (470 nm)	White (5500K), Red (625 nm), Blue (465 nm)
Dimensions [mm]	50, 70, 90 - OD	113 × 20 × 20 163 × 20 × 20 213 × 20 × 20	63 × 90 × 15 123 × 154 × 15	278 × 51 × 49
Input voltage	24 VDC (+/-10%)			
Power consumption	3.1 - 4.7 W 5.8 - 7.8 W 11 - 13 W	3.1 - 5.2 W 4.6 - 7.8 W 6.1 - 11 W	6.1 W 15 W	14 W
Lighting modes	Continuous; Strobe incl. overdrive mode			
Pulse width	50 μs - 100 ms			
Pulse step size	10 μs			
Conformity	Lighting: CE, RoHS, IEC 62471 Compliant Product Controller: CE: EN61000-6-2, EN61000-6-4			



BASLER SLP CONTROLLER

Basler SLP Strobe Controller 121040

Lighting modes	Continuous; Strobe incl. overdrive mode
Output current Continuous	0.05A - 2A
Output current overdrive mode	10A @200 μs pulse width
Output voltage range	1.5V - 40V
Pulse width	50 μs - 100 ms
Pulse step size	10 μs
Max. frequency	200 Hz
Housing Size [L × W × H]	89 mm × 60 mm × 43,5 mm
Conformity	RoHS; CE; FCC; KC