

# Robot Light LBK2-150-124

The Robot Light LBK2-150-124 was specifically designed to be assembled on a robot arm to accomplish automated inspection or robot camera guidance. The LBK2-150-124 is built with the latest technology in LED to provide maximum brightness. The light can be configured with different optics to cover a wide range of working distance, from 6 to 48 inch [150-1200mm], and field of view.

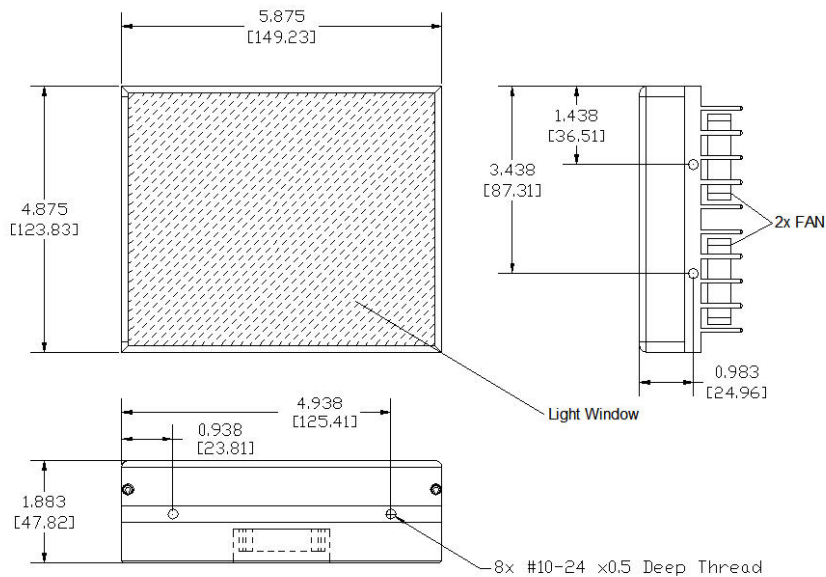
The LBK2-150-124 has two built-in FANs for maximum LED life expectancy and light output. The LBK2-150-124 is available in White, RED, Green, and Blue. Custom sizes are available upon request

## Features:

- Machined anodized aluminum construction
- High Power LED with heat management
- Choice of multiple optics

## Benefits:

- Robust construction for industrial applications
- Long life, 70% of initial intensity after 50,000 hours
- Provides a wide range of FOVs and Working Distances



All Dimensions: Inch [mm]

## Electrical Specifications:

Parameters	Value	Unit
Minimum Input voltage	24	VDC
Maximum input constant current	3	A
Maximum input pulse current	15	A
Maximum pulse width at I pulse	500	µsec
Maximum duty cycle at I pulse	10	%

## Mechanical Specifications:

Parameters	Value	Unit
Width	5.875 [149.23]	Inch [mm]
Height	1.883 [47.82]	Inch [mm]
Length	4.875 [123.83]	Inch [mm]
Weight	0.6	kg

## Illumination Characteristics:

Parameters	Value	Unit
Optimized Light Working Distance	150 - 1200	mm
Field of view (FOV)	15 - 30	cm <sup>2</sup>
Spectrum for WHITE	425 - 750	nm
Dominant wave length for RED	626	nm
Dominant wave length for BLUE	470	nm
Dominant wave length for GREEN	525	nm

## Environmental Specifications:

Parameters	Value	Unit
Operating Temperature	0 to 40	°C
Operating Humidity (non-condensing)	10 to 70	%
Storage Temperature	-10 to 60	°C
Storage Humidity (non-condensing)	10 to 70	%