

LED ILLUMINATOR HCL-LEC-80W5

	<p>Professional ring pseudoaxial LED illuminator, direct mounting around lens. High brightness illuminator.</p> <p>This special lighting is used in all those critical applications where the ambience light may cause a problem, in fact the light output of this illuminator is comparable to sunlight, inhibits the effects of the ambience light.</p> <p>The elastic central support is tested to work with accelerations up to 3G, ideal to be fitted with cameras on robot wrist.</p> <p>It can be mounted in two different ways; fixed between the lens and the camera (thickness 0.8 mm) or via four fixing holes M3.</p> <p>The two concentric circles can be switched independently.</p> <p>The 80 LEDs have a high diffusion coefficient and therefore do not produce any circular or patches typical of standard LEDs.</p> <p>Each LED is equipped with sink, cooling with natural circulation.</p> <p>Can be mounted filters of various types, optical projectors, diffusers and other accessories to achieve different lighting effects.</p>
	<p>The external controller can drive the illuminator with variable input voltage or with fixed 24V voltage.</p> <p>Fixed voltage mode allows you to choose 7 light intensities.</p> <p>The controller is designed to maintain constant light intensity at the changes of temperature of the LED acting automatically on current intensity and voltage.</p> <p>The dimensions of the regulator are 66 x 50 x 30 mm, can be mounted with 4 M3 holes from the rear side of the base.</p>
Operatine temperature	-10° +40°
Number and types of LED	80 led with diffused cap, white led 6500K
Angle Min-Max of LED	30°-90°
Power suppli	24 V
Power consumption	48W strobe mode, 31 W al 20% of duty cicle, 27W al 50%, 21W al 100%
Brightness and operating cycles	strobe mode max 100 mS duty cicle 5% 33000 LUX , 1485 lumen duty cicle 20% max 5 sec, 24000 LUX a 200 mm, 1080 lumen duty cicle 50% max 20 sec, 21000 LUX a 200 mm, 945 lumen continuous 18000 LUX a 200 mm, 810 lumen
Optimal distance	100 – 2000 mm
Life (h)	50000 h (10000 h with ambience temperature > 35°)
Dimensions	112 X 112 X h 29 mm
<i>First hole diameter</i>	26 mm (C-mount thickness 0,8 mm)
<i>Second hole diameter</i>	55 mm
Weight	190 g
	<p>DANGER: the illuminator produces light with an intensity that would be dangerous for the eyes.</p> <p>The lighting is designed to work with temperature up to 80 °. There is a risk of burns of 2nd grade.</p> <p>The plastic case allows a thermal insulation of the hot parts of the illuminators, but the metal components (aluminum heatsink and screw) and LEDs can reach high temperatures.</p> <p>DON'T COWER THE ILLUMINATOR, NATURAL AIR FLOW IS REQUIRED</p>

Specifications are subject to change without notice.