

# NEW BINT X5 STRIP LED STROBE LIGHT BAR STROBOSCOPE



MADE IN ITALY



LED BAR



CONTROL UNIT

- NEW STROBE OF INNOVATIVE CONCEPTION WITH LED BAR FOR A LINEAR STROBE LIGHT SOURCE
- HIGH EFFICIENCY LED STRIP WITHOUT ANY HEATING, WITH ADJUSTABLE LUMINOUS INTENSITY AND IMAGE SHARPNESS
- THE LED BARS ARE VERY PLEASANT TO SEE, OFFER A REMARKABLE FUNCTIONALITY AND IMPROVE THE AESTHETICS COMPARED TO TRADITIONAL LAMPS
- THREE DIFFERENT LENGTHS OF LED BARS ARE AVAILABLE: 50-100-150 CM TO COVER THE OBSERVATION AREA AS WIDE AS POSSIBLE
- LED BAR FIXED MOUNTED ELIMINATES PROBLEMS DUE TO INSTRUMENT FALLS AND DRASTICALLY REDUCES MAINTENANCE
- THE LED STRIPS ARE MOUNTED IN ALUMINUM PROFILES WITH SATIN COVERING FOR UNIFORM LIGHTING
- THE LED STRIPS CAN ALSO BE USED "NAKED" ON SIGHT, THEIR FLEXIBILITY ALLOWS THEM TO BE POSITIONED FOLLOWING ANY IRREGULAR PROFILE OF THE APPLICATION SURFACE AND CAN THEREFORE ASSUME EVERY SHAPE (ROUND, SQUARE)
- THE LED BARS ARE PILOTTED BY A SEPARATE CONTROL UNIT, WITH A CONNECTION CABLE UP TO 4 METERS
- RANGE 30.000 FPM WITH DIGITAL READOUT ON LCD DISPLAY AND ADJUSTMENT OF THE FLASHING FREQUENCY BY MEANS OF THE TWO ERGONOMIC POTENTIOMETERS
- STURDY CONSTRUCTION WITH SOLID STATE LEDS WITHOUT GLASS OR GAS THAT ELIMINATES THE NEED TO REPLACE THE LAMP

## DESIGN AND OPERATION

New Stroboscope X5 with LED light bar offers an innovative way for stroboscopic observation: the light source consists of a high efficiency LED strip that does not produce any heating, therefore it becomes ideal for fixed installation near the field to be illuminated, in test and processing environments even with heavy use. The LED strips are mounted in aluminum profiles with a satin cover for protection and uniform lighting, they are very pleasing to the eye and offer considerable functionality. LED bars are available with three different lengths: 50-100-150 cm to cover the observation area as widely as possible. The reduced dimensions of 9mm thickness and 40mm width allow easy mounting in any position on the machine to be observed. The LED strips can also be mounted without the aluminum profile, their flexibility allows them to be positioned making them take on the most different irregular shapes (round, square, rectangular, etc). The robust construction with solid state LEDs without glass or gas eliminates the need to replace lamps and allows for low maintenance. The LED bars are driven by a separate Control Unit, with connection cable up to 4 meters long. Range up to 30.000 FPM with adjustment of the flashing frequency by means of two comfortable and ergonomic potentiometers for quick and precise coarse and fine adjustment. Flash synchronization from internal oscillator or external trigger, with tacho function that automatically shows the applied frequency. The number of rpm (RPM) is displayed on a large LCD display for a precise and immediate reading. Brightness and image sharpness are adjustable through the Brightness potentiometer, which allows you to set the desired brightness to always obtain perfect vision at any flashing frequency and in any working condition. Phase shifter circuit for the early or delayed phase shift of the still image, for the observation over a 360° into the most favourable position. The LED bars are powered at 24Vdc directly by the Control Unit, powered by an AC adapter connected to the 220Vac power supply. X5 Bar LED Strobe is rugged and reliable, simple to use, designed and built in Italy. Fully complies with CE directives. The X5 stroboscope allows the user multiple applications depending on the observation needs, being extremely adaptable and customizable.

## BINT X5 BAR LED STROBOSCOPE - TECHNICAL CHARACTERISTICS

<b>FREQUENCY RANGE</b>	150 - 30.000 lampi/min FPM
<b>INTERNAL OSCILLATOR</b>	coarse and fine adjustment of the flashing frequency by means of two ergonomic potentiometers, with digital readout in FPM (Flash per Minute) on large LCD display
<b>EXT TRIGGER</b>	electric signal >1Vpp - encoder - inductive sensor - microswitch external signal up to 128.000 impulse/min are accepted, with tachimetric function
<b>DISPLAY</b>	by means of dot matrix LCD display highly readable
<b>RESOLUTION</b>	quartz control system for maximum precision 0,02% +/- 1 digit
<b>PHASE SHIFT</b>	variable from 0,1 to 60 ms. about
<b>BAR LED LAMP</b>	high efficiency solid state LED strip LED bar with uniform flashing, without heating
<b>BAR LED LENGTH</b>	50 - 100 - 150 cm
<b>BRIGHTNESS</b>	2000 lux/10 cm linear @3000 FPM/30 cm
<b>POWER SUPPLY</b>	18Vdc by means of supplied AC adapter
<b>DIMENSION</b>	Control Unit 115 x 70 x 195 mm - Bar LED width 40mm - thickness 9mm - L = 50-100-150 cm
<b>WEIGHT</b>	Control Unit 0,450 kg - Bar LED 200 gr/50cm
<b>SUPPLIED ACCESSORIES</b>	AC adapter, instruction manual - <b>OPTIONAL ACC.</b> ISO9000 calibration certificate with Accredia traceability