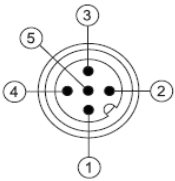


Features



- Microprocessor regulation of current
- Driver built in – No External wiring to a driver
- PNP and NPN Strobe input
- OverDrive - Strobe Only operation
- SafeStrobe Technology ensures protected operation of LED's
- Standard industrial 30mm Aluminum Extrusion Frame provides ease of mounting.



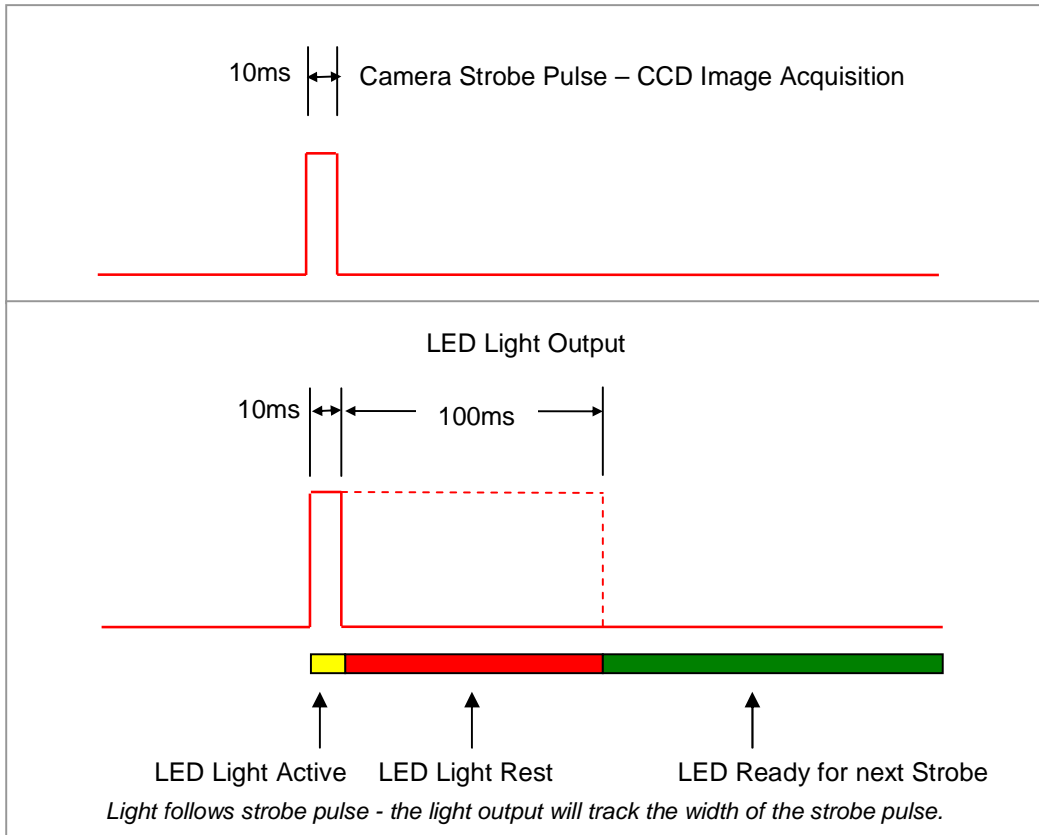
Electrical Input	Voltage: 24 VDC +/- 5%											
Duty Cycle	Maximum 10%											
Strobe Input	PNP ► +4VDC or greater to activate.	NPN ► GND (<1VDC) to activate										
Current	Max 10 A draw during strobe											
Strobe / Pulse	Maximum Single Pulse = 100ms											
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;">  </div> <div style="flex: 2;"> <p>Standard M12 mating cable color code:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">1 = 24VDC</td> <td style="width: 50%;">BROWN</td> </tr> <tr> <td>2 = NPN STROBE</td> <td>WHITE</td> </tr> <tr> <td>3 = GND</td> <td>BLUE</td> </tr> <tr> <td>4 = PNP STROBE</td> <td>BLACK</td> </tr> <tr> <td>5 = No Connection</td> <td>*GRAY (GREEN/YELLOW)</td> </tr> </table> </div> </div>			1 = 24VDC	BROWN	2 = NPN STROBE	WHITE	3 = GND	BLUE	4 = PNP STROBE	BLACK	5 = No Connection	*GRAY (GREEN/YELLOW)
1 = 24VDC	BROWN											
2 = NPN STROBE	WHITE											
3 = GND	BLUE											
4 = PNP STROBE	BLACK											
5 = No Connection	*GRAY (GREEN/YELLOW)											



Important

Please note that the power requirements are 10 amps at 24VDC. Failure to supply light with 10 amps (peak) will result in non-repeatable lighting. Contact Smart Vision Lights for more information.

Example: Duty Cycle on Performance of Light



Duty Cycle (D) is defined as the ratio between Strobe Time and Rest Time

Maximum Duty Cycle for ODL Lights is 10% = .1

Calculating Rest Time - R_T

$$R_T = \frac{S_T}{D}$$

where

S_T is the Strobe Time

R_T is the Rest Time

D is Duty Cycle

Example: Camera exposure of 10ms where Strobe Time is 10ms

$$R_T = \frac{10\text{ms}}{.1} = 100\text{ms}$$

Rest Time is 100ms for 10ms Strobe Time