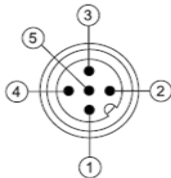


Over Drive™ Features

- IP68 Standards - Stainless Steel 316 Housing
- Meets FDA Compliancy
- Highest Output LED Lights available in the Vision Industry
- SafeStrobe Technology ensures protected operation of LED's
- Driver built in – No External wiring to a driver
- 5 times brighter than standard high current LED Lights
- Industry Standard M12 Quick Disconnect
- PNP and NPN Strobe input



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 10A draw during strobe - Max Average 1A	
Strobe / Pulse	Maximum Single Pulse = 100ms	
RED Indicator LED	Duty Cycle	ON = LED Rest (LED inactive) OFF = LED/Light Ready
GREEN Indicator LED	ON = Power	
Power	Smart Vision Lights recommends 10 amps of supply current.	



Standard M12 mating cable color code:

1 = 24VDC	BROWN
2 = NPN STROBE	WHITE
3 = GND	BLUE
4 = PNP STROBE	BLACK
5 = No Connection	*GRAY (GREEN/YELLOW)



Important

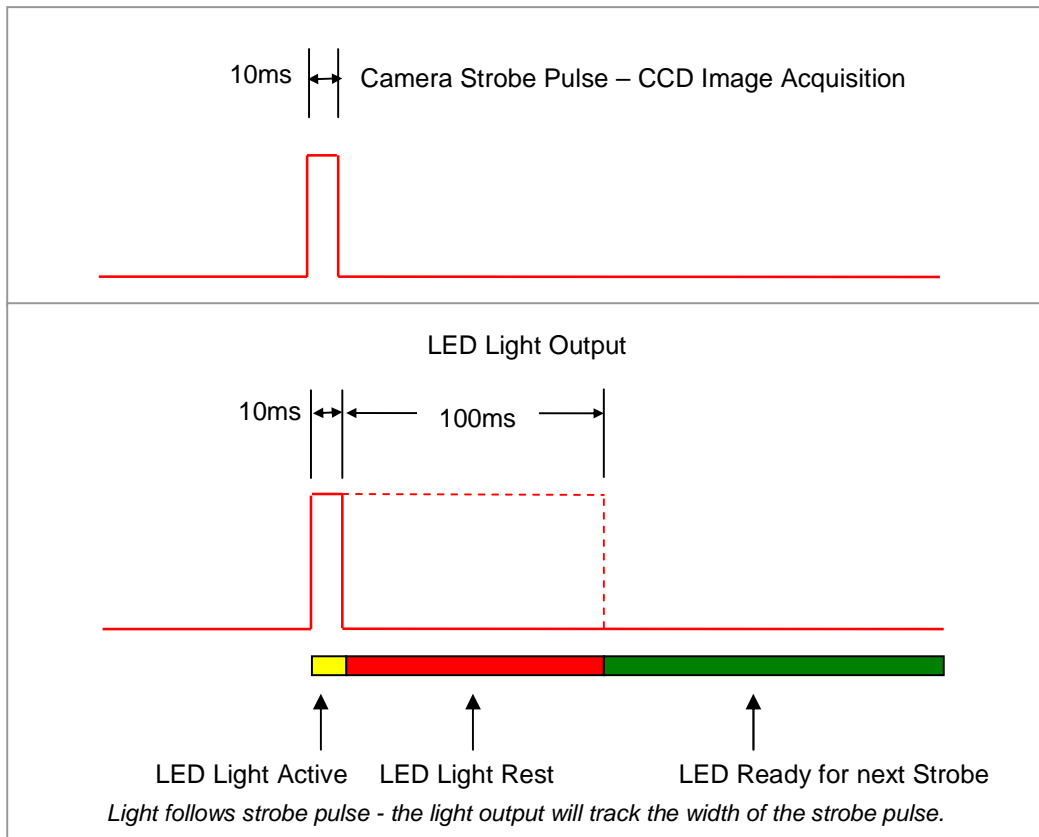
Please note that the power requirements are 10 amps at 24VDC. Failure to supply light with 10 amps will result in non-repeatable lighting. Contact Smart Vision Lights for more information.

HOBLW- OD – 300 x 150 – XXX —» Part Number Key

Product Family:
Back Light
HOBLW

Color:
625 – Red
White – WHI
470 – Blue
530 – Green
IR 850nm

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