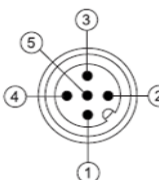


Over Drive Features

- 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
- Option of connecting lights together >> Connect-a-Light®
- High Speed >> Fast Response



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 6 A draw during strobe - Max Average 600mA											
Strobe / Pulse	Maximum Single Pulse = 125ms											
RED Indicator LED	Duty Cycle	ON = LED Rest (LED inactive) OFF = LED/Light Ready										
GREEN Indicator LED	ON = Power											
Power	Smart Vision Lights recommends 6 amps of supply current per light.											
 <p>Standard M12 mating cable color code:</p> <table> <tr> <td>1 = 24VDC</td> <td>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>			1 = 24VDC	BROWN	2 = NPN STROBE	WHITE	3 = GND	BLUE	4 = PNP STROBE	BLACK	5 = No Connection	*GRAY (GREEN/YELLOW)
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4 = PNP STROBE	BLACK											
5 = No Connection	*GRAY (GREEN/YELLOW)											



Important

Please note that the power requirements are 6 amps at 24VDC. Failure to supply light with 6 amps (peak) will result in non-repeatable lighting. Contact Smart Vision Lights for more information.

ODL300 – XXX – X* —» Part Number Key

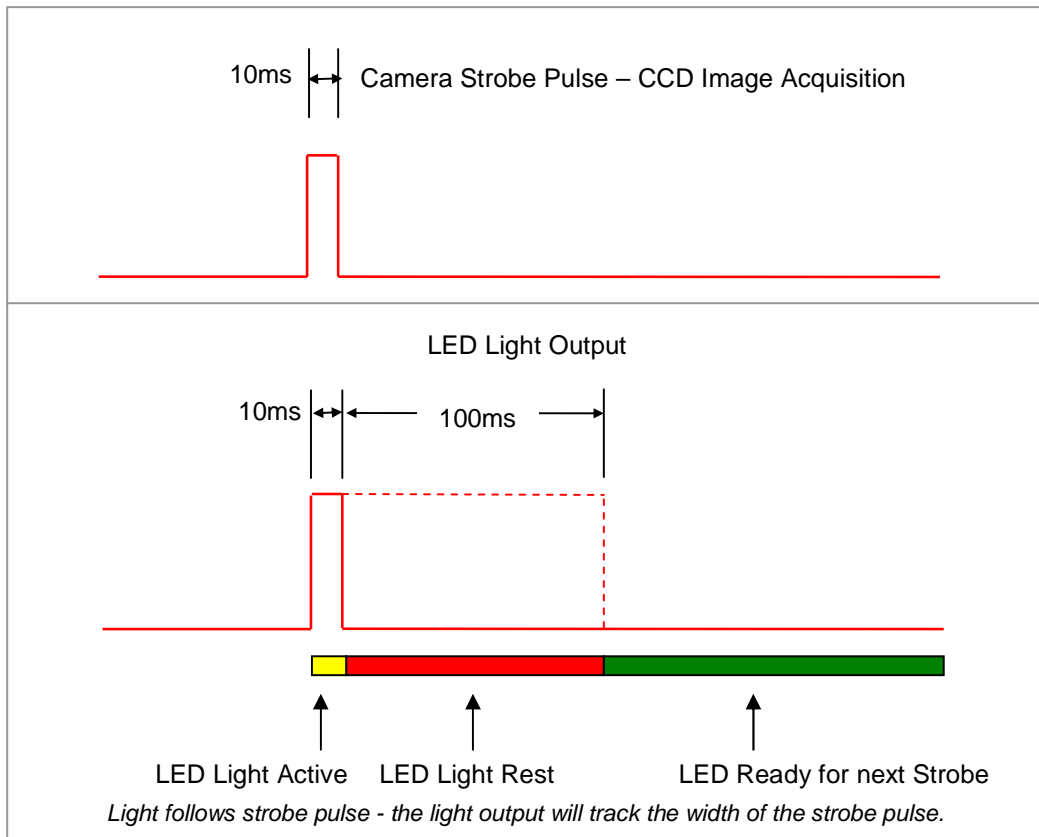
Product Family:
Linear Light
ODL300

Color:
625 – Red
White – WHI
470 – Blue
505 – Cyan
530 – Green
590 – Amber
IR 850nm
IR 940nm
UV 395nm
UV 365nm

Lenses:
W - Wide
L - Line

* Lights come standard with Narrow lenses
CE and RoHS Compliant

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