



product introduction

The DADL75 Series was designed as a multicolor inspection light with a built in individual On-Axis and Off-Axis intensity control. Its exceptional uniformity and an intense output design makes the DADL75 Series a perfect lighting solution for applications that require variable intensities with multiple color options or any product inspection process involving a highly reflective finish.



product features



- 12 Pin M12 Quick Disconnect
- Driver Built In – No External Wiring To A Driver
- NPN or PNP Signal Options
- +24VDC and GND Hook-Up
- Continuous Operation or Strobe Mode
- Variable Intensity Control On Each R,G,B Channel
- RGB Color Select Ability - 3 Analog Channels Per Axis
- Both ON and OFF-Axis Illumination Options



product specifications

Electrical Input	24 VDC +/- 5%
Current	On Axis – Max. 550mA
	Off Axis – Max. 550mA
Wattage	Max. 27W
Continuous Mode	Light will be in continuous mode by leaving +24V and GND applied
RGB Analog Intensity	0-1VDC analog – OFF 1-10VDC analog - 10-100% of brightness
Connection	12 pin M12 connector
Lifespan	100,000 hrs
Ambient Temp.	-20° - 50° C (-4° - 122° F)
IP Rating	IP50
Compliances	CE and RoHS
IEC 62471 Rating	See page 2



product number key

DADL75 – RGB —» Part Number Key

Product Family:
RGB Dome Light
DADL75-RGB

Color:
3-channels
R+G+B

CE and RoHS Compliant



warnings

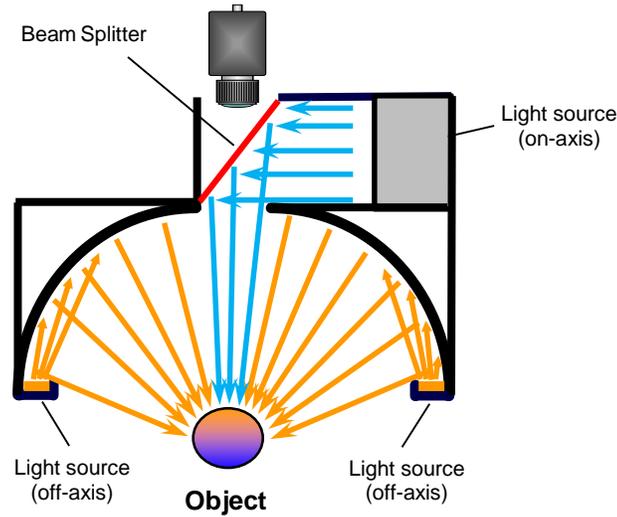


Attention

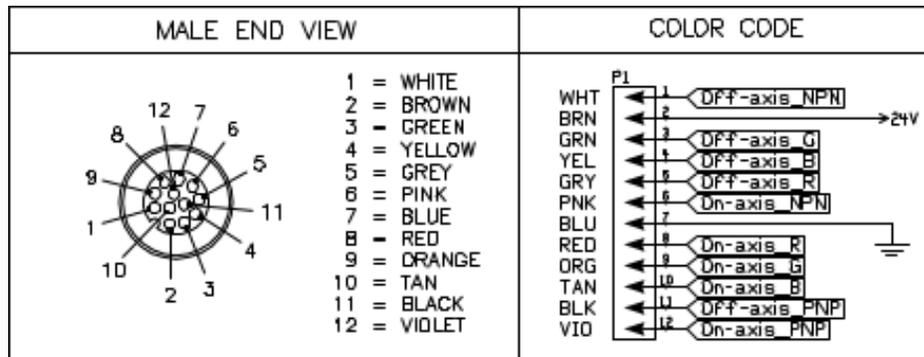
Please note that the power requirements are 550mA per axis at 24VDC. Failure to supply light with 550mA per axis can result in non-repeatable lighting. Contact Smart Vision Lights for more information.



light output analysis



wiring diagram

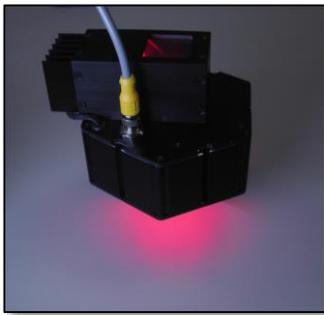


safety group

According to IEC 62471:2006. Full documentation upon request.

Notice

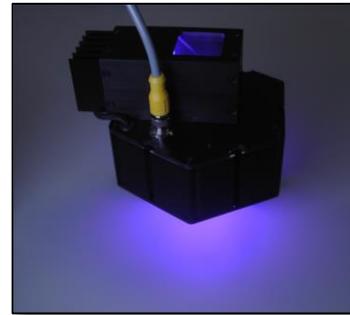
Exempt Group: No photobiological hazard to eyes or skin even for continuous, unrestricted use.
Applicable for wavelengths: 470, 530, 625



625nm – Red Only



530nm – Green Only



470nm – Blue Only

The DADL75-RGB is an on-axis and off-axis selectable 75mm dome light with the ability to project red, green, or blue as well as mix any color for easy integration into any application.