

DL106

High Brightness Diffuse Dome



- Aii** 2x brighter than DL7248 in white
- Aii** Provides diffuse illumination for inspection of specular objects.
- Aii** Rugged construction

Ordering Information

Standard Product:
Shipped Next Day

DL106-WHIIC

Configured with inline
Current Source

DL106-625IC

Configured with inline
Current Source

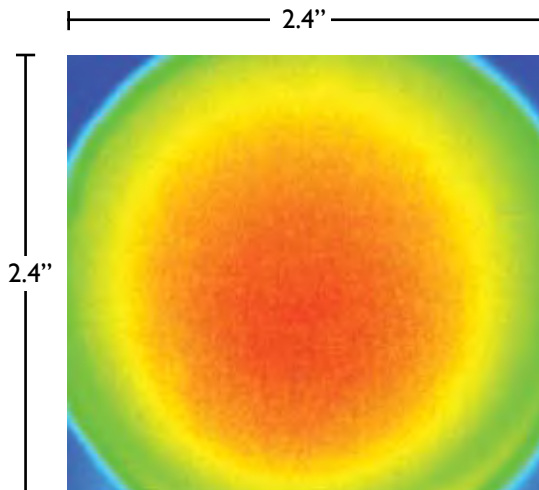
Standard Product Variation:
Shipped Within Two Weeks

		Spectral wavelength		Alternative Connector
DL106	-	XXX	XX	XXX
		(UV) 395	IC	M12*
		(blue) 470	IS	
		(green) 530	C2	
		(amber) 590	C3	
		(red) 625	C5	
		(IR) 850		
		(white) WHI		

IC = ICS (requires 24v power supply)
IS = ISU (requires 24v power supply)
C2 = Ai Connector
C3 = Pulsar 710 Connector
C5 = Pulsar 320 Connector
* Available with IC and 24v options only

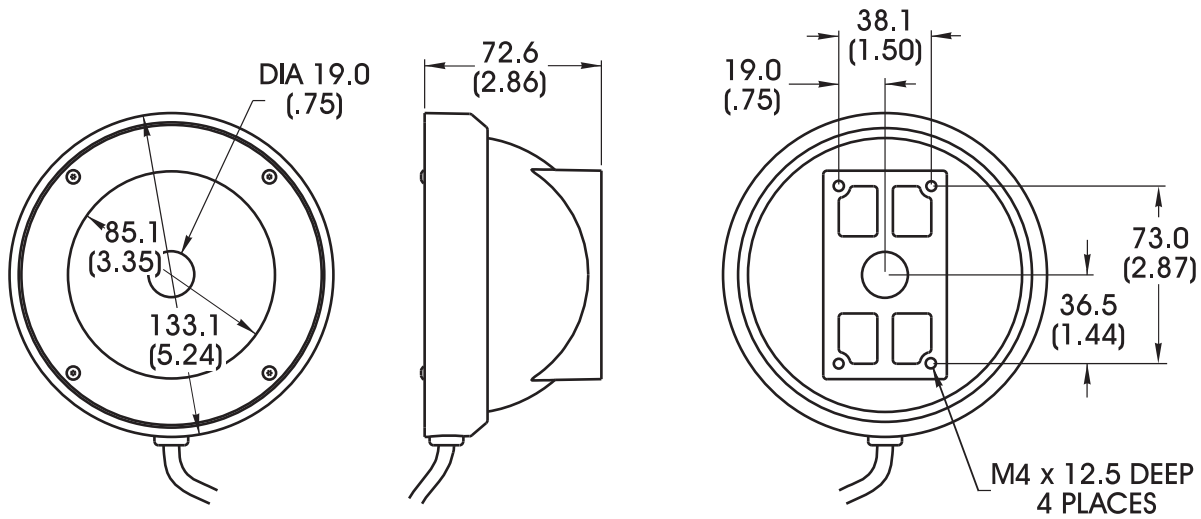
Optimal working distance:
12.7mm (0.5")
Effective Working Range:
12.7 - 50mm (0.5 - 2.0")

Intensity Distribution



Dimensional Information

[Click for Installation Models & Drawings](#)



Cable Length: 1.5 Meter (59")

DIMENSIONS ARE IN MILLIMETERS (INCHES)

Standard Variation Current Specifications

	UV	blue	green	amber	red	infra-red	white	
Ai / iCS	350	350	350	350	350	350	350	mA

Standard Product Information

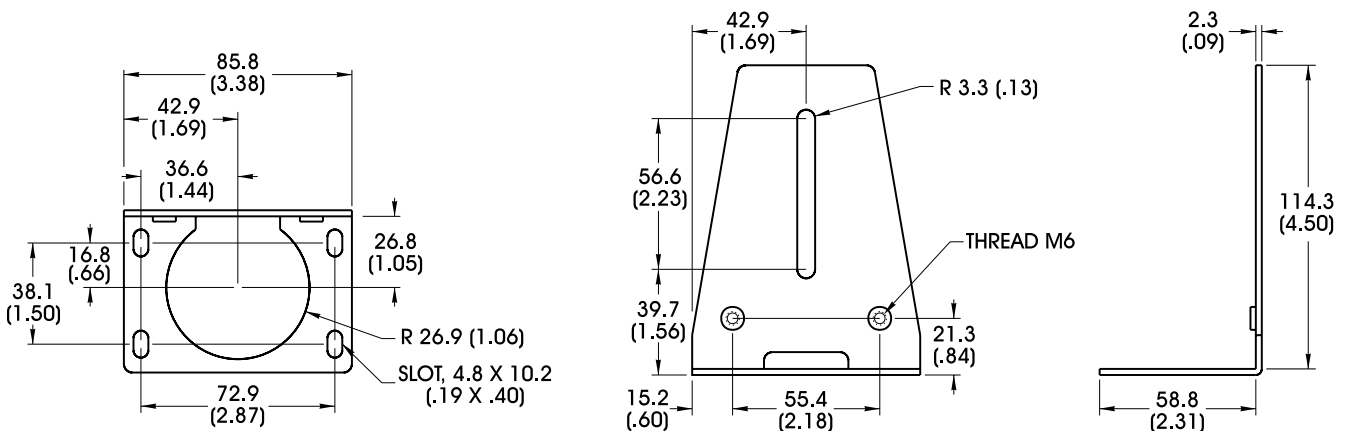
White	Max. Illumination	Irradiance (mW/cm ²)	Illuminance (Lux)
Working Distance: .5"		5.45	24,500
Working Distance: 1.0"		4.25	18,500
Lifetime	50,000 hrs		

General Specifications

Weight:	662.2 g (23.4 oz)
Finish:	Black Anodized
Operating Temperature:	0-60° C
Meets Specifications:	CE, RoHS

Additional Information

CB010 Mounting Bracket (Included) Dimensions:



802.767.3830



inline Strobe Unit

Built-in Strobe



- 4i) Built into the power cable**
- 4i) Manual potentiometer adjustable range of 30 to 300µSec output pulse-width**
- 4i) Timing Bypass Option**



shown with the RL121

The ISU (Inline Strobe Unit) is a small, lightweight strobe source designed to drive LED light assemblies up to a maximum current of 12A (pulse-width dependent). The unit resides outside of the associated light head being placed “inline” with the light head power cable. Maximum light head drive current is set at the factory for a given light source while a user adjustable range of 30 to 300µSec output pulse width is available (via potentiometer or through trigger pulse width). The unit is designed to operate with a DC input voltage of between 18 and 35 volts.

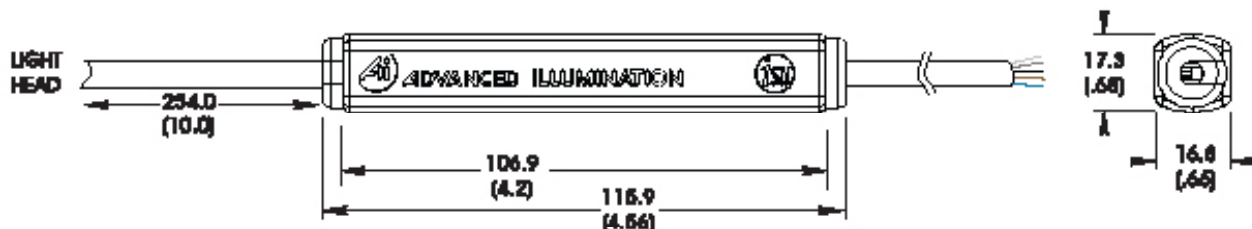
The unit has two triggering modes of operation:

Fixed Trigger Mode: Selectable pulse width range of 30-300µSeconds that is accessible via user-adjust potentiometer.

Timing Bypass Trigger Mode: Output Pulse width follows the width of input trigger. User-adjust potentiometer sets the maximum.

An active high and active low input trigger is available. External wire (mode select) must be connected to GND (0V in this case) in order to select timing bypass model.

Dimensional Information



The ISU is not detachable. Standard location is 10" from the light head; if necessary, a different cable length and / or ISU location can be specified when ordering. Standard Cable Length (including ISU) is 1.5M (59").

DIMENSIONS ARE IN MILLIMETERS (INCHES)

ISU SPECIFICATIONS

Parameter	Specification	Notes
Input Voltage Range	+18 to 30VDC	
Strobe output	0 - 12A*	* Pulse-width/Light head dependent
Current Output Adj.	Min to Max Current adj. as established by factory setting	Maximum current set assuming 300µSec operation
Max. Input Current	1.1A	Approx 100ma local
Trigger	Active HI: WHITE Active LO: BLACK	TTL compatible, 30VDC tolerant
Max. Output Voltage	= Vin - 1v	
Mechanical & Environmental		
Power Indicator	Red LED is used to indicate power is being supplied	
Storage Temperature	-40 to +125C	
Operating Temperature	0 to +70C	
Housing Material	High Impact Polycarbonate	
Weight	Approx 1.7 oz	Cable Not Included
Size	Approx 4.55L x 0.67W x 0.70H	Inches

ISU PINOUT

BROWN	VIN +
BLUE	VIN -
WHITE	Active high trigger input
BLACK	Active low trigger input
GRAY	Trigger Mode Select: Connect to 0V to enable timing bypass. Leave floating for fixed trigger mode

ISU TRIGGER MODES

