

BPL

The Metaphase Border Patrol Light is a customized version of our Law Enforcement Light. The BPL is designed with many features for surveillance and security checkpoint monitoring. The BPL has two separate LED arrays that can be selected with different color LED's including Infrared. The Border Patrol Light features a weather proof enclosure with optional powder coated hood. Other features include an adjustable beam angle of the non-fixed array. Strobe pulse widths are adjustable from 2µs to 250µs with pulse rates up to 50kHz. Strobe controls include intensity, strobe rate, trigger delay etc. Integrated mounting hardware is included to assist with installation in virtually any environment. The Border Patrol Light can be triggered remotely via a camera's strobe output signal. Our thermal management technology assures an ultra-fast recharge to allow the strobe to fire at rates up to 50kHz for high-speed digital photography or video.



Applications
• Surveillance and Security checkpoint control monitoring
• Border Patrol
• Law Enforcement
• High Speed Photography
• Night Vision Surveillance
• Stop Motion Video
• Automatic Number Plate Recognition

Available Wavelengths		
Color	Code	Wavelength
White	W	6000K
Red	R	630nm
Green	G	530nm
Blue	B	470nm
Infrared	IR850	850nm
Infrared	IR880	880nm
Infrared	IR940	940nm

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BPL Wire Assignment		
Wire Color	Function	Notes
Red	24VDC	4 conductor Cable with flying leads
White	TRIGGER IN (+)	
Black	TRIGGER IN (-)	
Green	Ground (24V RTN)	

PART NUMBER KEY									
MODEL	SIZE	-	WAVELENGTH	-	DRIVER	-	LENS	-	CABLE LENGTH
BPL	XXX	-	XXXXXX	-	XX	-	XXX	-	XXX
BPL	200		W (White 6000K, Nominal) R (Red 630nm) G (Green 530nm) B (Blue 470nm) IR850 (Infrared 850nm) IR880 (Infrared 880nm) IR940 (Infrared 940nm)		24 (24VDC)		L12 (Narrow, 12°) L28 (Wide, 28°) Select one		5M 10M Length can be customized: ex.7M=7meters Select or leave blank for 3 meters
Example 1: BPL200-W-24-L12					Example 2: BPL200-IR850-24-L28-5M				

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Sample Part Number: **BPL200-W-24-L12**

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/21/2016	
B	ECN 10209	5/20/2019	

Labels and Dimensions:

- RAL 1001 POWDER COAT FINISH
- 15.70 [398.88]
- 12.50 LIGHTED [317.50]
- LED ASSY. - FIXED
- 1/4" LEXAN LENS
- RUGGED BEZEL
- 6.00 [152.40] LIGHTED
- 8.73 [221.67]
- 10.23 [259.77]
- VENT
- 1-Cat5E (BLACK LDPE), 1-Cat5E (GRAY PVC), and 4 x 18awg UL 1015 16strand tinned copper (White, Red, Green, Black), Outer jacket TPE, 50' LG.
- LED ASSY - FIXED BEAM WIDTH OF 6 FT. [1.82 M] TO 7 FT. [2.13M] AT A DISTANCE OF 25 FT. [7.62M]
- 6.00 [152.40]
- .10 [2.59] HEAT SHIELD
- METAPHASE LIGHTING TECHNOLOGIES
- SEE SHEET 2 FOR MOUNT DETAILS

Metaphase Technologies, Inc. 211 Sinclair Road, Suite 100, Bristol, PA. 19007 215-639-8699 Fax 215-639-0977			
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MATERIAL: PER BOM	INCHES (MM)	TITLE: ASSY, BORDER PATROL LIGHT	
FINISH: AS PER COMPONENTS SPEC.	X .XX .XXX [1.76] +.030 [-.25] +.010 [-.15] ±.005	USED ON: PER CUSTOMER	
TREATMENT: N/A	ANGLES ±1°	SIZE: B	DRAWING NUMBER: BPL-200-1
Approval Signature	Date	SCALE: 1:4	REV: B SHEET 1 OF 3

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SPECIFICATIONS

General

Supply Voltage	24VDC ±10%, 6 amp switching power supply recommended
Trigger Input:	
Optically Isolated	Yes
Voltage	3V to 24V
Current	7mA typical, 10mA max
Rate	50kHz maximum
Pulsewidth	2us minimum, 250µs maximum
Edge/Polarity	Rising or Falling Edge (Strobe Mode) High or Low Level On (DC Current Mode)
Ethernet Control:	UDP messaging listening on port 5000 for any incoming source port
IP Address	User selectable. Defaults to 172.16.1.1
Operating Modes	Strobe (Pulse), DC Current
ROHS Compliance	Yes
Expected Lifetime	75,000 hours
Mounting	Pelco style swivel base
Operating Temperature	-34°C to 48.8°C (-29°F to 120°F)
Operating Humidity	0% to 85% RH non-condensing
IP Rating	IP66 (NEMA 4X enclosure)

COMPLIANCE



CONTACT US

Contact Metaphase Technologies at **215-639-8699** or your local representative for additional details, options and customizations.