Metaphase LED Pattern Projector

Metaphase
Technologies, Inc.

Model#: MB-LPP



- Use with C-Mount, 2/3" format imaging lenses
- Designed for Structured Light Applications
- Project Patterns with <1µm Edge Sharpness
- Built in driver, no special control required, simply provide 24VDC
- 0-10V intensity control signal
- Optional manual dimmer available.
- Versions available: Strobe, DC (Continuous) and versions for use with external controller (ULC-2)
- Patterns include: Crosshair, Stripes, Grid, Edge & Line

Dimensions

Length:	4in	101.6mm
Width:	2in	50.8mm

Contact Us:

Contact your Metaphase Technologies Representative for options including: Filter Options, Power Options, & Wavelength.

Specifications:				
Current Consumption	0.2A @ 24VDC			
Finish	Black Anodized			
Weight	0.5lbs / 0.226kg			
Operating Temperature	120° F Max			
Compliance	CE/RoHS			
Lifetime Hours	60,000 Hours			
Illuminance	350 lumens			

Wiring Diagram			
Flying Leads	Function		
RED	+24VDC		
BLACK	Ground		
WHITE	0 ~ 10 Volt		
GREEN	Ground		
24 AWG 4 WIRES CABLE X 1			

When not using intensity control, connect 0-10V control line to +24 (Max Intensity Control = 25V) and intensity control ground to ground



Focal Lens Selection

A = Diameter of Area

W = Working Distance

	60mm	100mm	150mm	200mm	300mm	400mm	500mm
100mm		8	6				
150mm		12	8	6			
200mm	25	16	12	8	6		
300mm		25	16	12	8	6	
400mm		35	25	16	12	8	6
500mm	50	35	25	16	12	8	
600mm		50	35	25	16	12	8
750mm		50	35	25	16	12	12
1000mm			50	35	25	16	16
1500mm			75	50	35	25	25
2000mm				100	50	35	25

Shaded Cells represent the focal length of lens

Standard Patterns: GD=Grid, L=Line, CH=Cross Hair, ST = Stripes, ED =Edge Line Pattern LPP-LINE LPP-STRIPES LPP-GRID Cross Pattern LPP-Cross LPP-EDGE

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Drawing/Diagram

	REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED	
	С	REVISED AND REDRAWN, KW	3/22/2012		
	D	REMOVED HEX NUTS AND ADJUSTED METRIC THREAD PITCH, KW	3/22/2012		
	Е	REPLACED HEX NUTS, KW	4/3/2012		

