



# High Power Flood Light

Model#: MB-FLD406



- High Power Flood Light
- Ruggedized Design
- Patent-pending LED thermal management for stable performance
- Ideal for motion/sports analysis and large area or long range illumination.
- Strobe & dimming options
- ULC-2 (Universal LED Controller) compatible versions available
- Mounting: 4 slots for mounting

## Specifications:

Current Consumption	1.4A DC; 3A Strobe
Housing	Aluminium
Finish	Black Anodized
Intensity Uniformity	+/-5%
Weight	2.5lbs
Operating Temperature	120° F Max
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours
Illuminance	57,700lux

## Active Area

2.88in x 6.78in  
73mm x 172.1mm

## Dimensions

2.82in x 8.28in x 3.75in  
71.62mm x 210.2 mm x 71.5mm

## Contact us:

Contact your Metaphase Technologies Representative for options including: Diffuser Choice, Polarizer & Light Control Film, Specific Intensity & Uniformity, & Wavelength.

## ORDERING INFORMATION:

• M B - F L D 4 0 6 -  - 2 4 -

**W** White 6000k  
**R** Red 630nm  
**G** Green 530nm  
**B** Blue 455 nm  
**IRN** Infrared 850nm  
**IRL** Infrared 880nm  
**UVS** UltraViolet 365nm  
**UVL** UltraViolet 395nm  
**RGB** 625 nm/530 nm/470 nm

**\*BLANK** 10 ft. Flying Leads  
**T** M12 Quick Disconnect  
**ILD** In Line Dimmer  
**ILS** In Line Strobe (customer provide trigger info)

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## WIRING CONFIGURATIONS - Flying Leads (DC & Strobe Models)

DC Wiring (Flying Leads)	
Flying Leads	Function
RED	+24VDC
BLACK	Ground (24VDC)
WHITE	0-10V Dimming
GREEN	Ground for 0-10V

Strobe Wiring (Flying Leads)	
Flying Leads	Function
RED	+24VDC Input
BLACK	Ground
WHITE	Rising Edge Trigger
BLUE	Falling Edge Trigger
GREEN	Trigger Ground

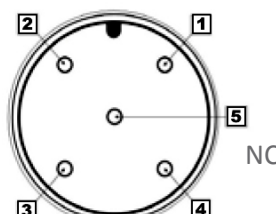
Note: Connect 0-10VDC wire to +24VDC when NOT using dimming.

## ALTERNATE WIRING CONFIGURATION - M12 (DC & Strobe Models)

DC M12 Wiring		
PIN #	COLOR	Function
1	BROWN	+24VDC
2	WHITE	0-10VDC Dimming Intensity Control
3	BLUE	24V Ground
4	BLACK	0-10V Ground

Strobe M12 Wiring		
PIN #	COLOR	Function
1	BROWN	+24VDC
2	WHITE	Falling Edge Trigger
3	BLUE	24V Ground
4	BLACK	Trigger Ground
5	Gray	Rising Edge Trigger

Note: Connect 0-10VDC wire to +24VDC when NOT using dimming.



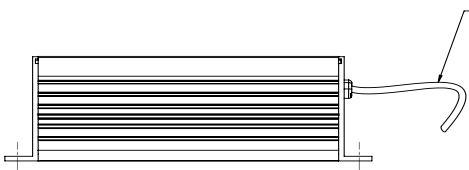
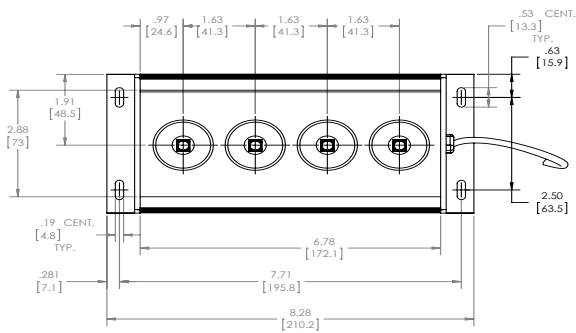


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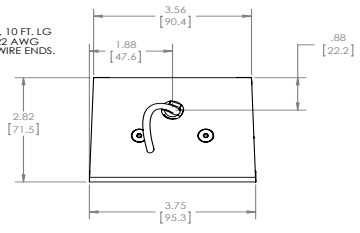
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## Drawing/Diagram

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED



ELECTRICAL CABLE, 10 FT. LG  
(4) CONDUCTOR, 22 AWG  
WITH FLYING LEADWIRE ENDS.



UNLESS OTHERWISE SPECIFIED:	NAME	DATE	
ENGINEERING: ARE IN INCHES TOLERANCES:	DRAWN: KW	12/2/2011	METAPHASE TECHNOLOGIES, INC.
FRACCTIONS: 1/8, 1/4, 3/8, 1/2	CHECKED:		TITLE:
ANGLES: 90, 45, 30, 60, 15	ENG. APPR:		FLOOD LIGHT, HIGH POWER
SPACES: PLACE DECIMAL	MFG APPR:		SIZE: TOWO - MO.
FINISHES: UNLESS OTHERWISE SPECIFIED	D.A.:		<b>C</b> FLD406 REV
TITLES:	COMMENTS:		SCALE: 1:2 WEIGHT: 1 SHEET 1 OF 1
NEXT ASSY:	USED ON:		
APPLICATION:	DO NOT SCALE DRAWING		