

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

MB-FLD

This economical multi-watt LED front light is designed for flooding large areas and mimics the diffused output of a screw base PAR38 halogen flood light. Working distances can vary from 6 to 18 feet or more depending on the amount of light needed. This flood light is extremely bright and emits white light at 600,000 Lux. Features include a unitized alloy body thermally potted for longevity.



FEATURES

- High power flood light
- Rugged design
- LED thermal management for stable performance
- Strobe and dimming options available
- Flicker free performance and instant start up with Metaphase analog driver technology
- Ideal for motion/sports analysis and other large area illumination applications
- Optional Constant Current Driver with 0 – 10VDC intensity control, compatible with DDC-3 and ILD-35

WAVELENGTHS

Order ID	Description / nanometers
W	White (6000K), Nominal
R	Red / 630nm
G	Green / 530nm
B	Blue / 470nm
IR850	Infrared / 850nm
IR880	Infrared / 880nm
IR940	Infrared / 940nm
UV365	Ultraviolet Short / 365nm
UV395	Ultraviolet Long / 395nm
RGB	Red-Green-Blue

GENERAL SPECIFICATIONS

Power Source:	24VDC ±5%
Cable (Standard):	10-foot cable with flying leads
Housing:	Black Anodized Aluminum
Ambient Temp:	-20°C to 40°C
Lifetime Expectancy:	75,000 hours (except UV)

Specifications are subject to change
Copyright © Metaphase Technologies. All rights reserved
May 2019

METAPHASE
215-639-8699
www.metaphase-tech.com

MB-FLD

FLOOD LIGHTS							
MODEL	All models: H = 2.82 inches (7.2cm) **Overall Width and Length** Inches (cm)	Active Area Inches (cm)	Weight lbs / kg	Cable QTY	Cable Length	Cable Description	Maximum Input Current @24VDC
MB-FLD406	3.75 x 8.28 (9.52 x 21.0)	2.88 x 6.78 (7.30 x 17.2)	2.8 / 1.28	1	10ft	18 AWG 4 Conductor	1.3 amps
MB-FLD806	3.75 x 15.06 (9.52 x 38.25)	2.88 x 13.56 (7.30 x 34.44)	5.2 / 2.34				2.8 amps

Wiring (4 conductors, flying leads)**	
Wire Color	Function
RED	+24VDC
WHITE	0-10VDC INTENSITY CONTROL
BLACK	GROUND (24V RTN)
GREEN	SIGNAL GROUND

Wiring (4 conductors, without Intensity Control)	
Wire Color	Function
RED	+24VDC
WHITE	+24VDC
BLACK	GROUND (24V RTN)
GREEN	GROUND (24V RTN)

M12 (5 position male)**	
Pin #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	GROUND (24V RTN)
4	SIGNAL GROUND
5	No Connection
The M12 connector option is not recommended for lights rated more than 4 amps	

Wiring with ULC-2	
Wire Color	Function
RED, WHITE (+)	LED INPUT
BLACK, GREEN (-)	
Terminated within a 2 position ULC-2 output connector (Phoenix Contact P/N: BCP-508-2)	

**Note: The 0-10VDC Intensity Control input can accept voltages from 0-24VDC where the light will operate at full intensity in the 10-24VDC range. The light is proportionally dimmer for any Intensity Control voltage less than 10VDC and the light is OFF at approximately 0V or not connected (floating).

Specifications are subject to change
Copyright © Metaphase Technologies. All rights reserved
May 2019

METAPHASE
215-639-8699
www.metaphase-tech.com

MB-FLD

PART NUMBER KEY													
MODEL	SIZE	-	WAVELENGTH	-	DRIVER* (most common)	-	LENS	-	DIFFUSER	-	CABLE LENGTH	-	CONN.** (most Common)
MB-FLD	XXX	-	XXXXX	-	XXXXX	-	XXX	-	XX	-	XXX	-	XXXX
MB-FLD	**406** (6.5") **806** (13.0")		**W** (White 6000K, Nominal) **R** (Red 630nm) **G** (Green 530nm) **B** (Blue 470nm) **IR850** (Infrared 850nm) **IR880** (Infrared 880nm) **IR940** (Infrared 940nm) **UV365** (UV Short 365nm) **UV395** (UV Long 395nm) **RGB**		**24Z** **24Z-TRG** **24-ILD** **U**[1]		**L11** (11°) Select or leave blank for 30° lens		**CC** (Clear Cover) **D2** (Single Matte) **D3** (TIR/SLK) **D4** (Milky White) **D5** (Double Matte) Select one		**5M** **10M** Length can be customized: ex.7M=7meters Select or leave blank for 3 meters		**M12D**[1] [2] **BC**[1] [3] Select or leave blank for flying leads

Example 1: **MB-FLD406-W-24Z-CC**
Example 2: **MB-FLD806-W-24-ILD-CC-5M**

[1]Not available in lights exceeding 4A input current
[2]Default cable length for an M12D connector is 19 inches
[3]Default cable length for a Barrel Connector is 10 feet

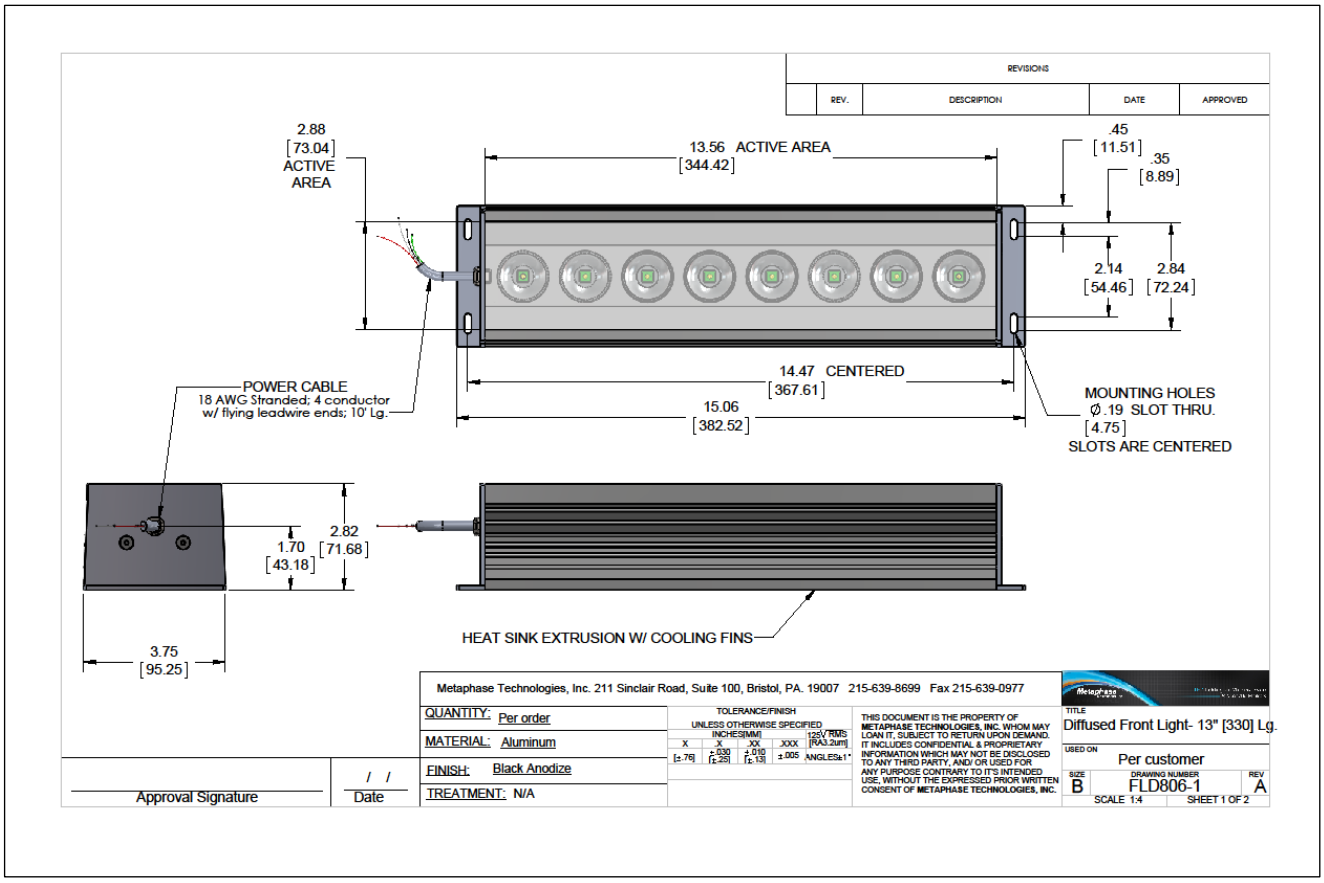
Contact Metaphase Technologies or your local representative for options such as custom diffusers, lenses, polarizers, IP-rated enclosures for harsh environments, higher intensity, custom wavelengths, higher uniformity, etc. Not all options are available for all lights.

*(Link to Driver Options Key) **(Link to Connector Key)

Copyright © Metaphase Technologies. All rights reserved

MB-FLD

Sample Model Number: **MB-FLD806-W-24Z**



COMPLIANCE

RoHS compliant

CE

CONTACT US

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

Specifications are subject to change
Copyright © Metaphase Technologies. All rights reserved
May 2019

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP