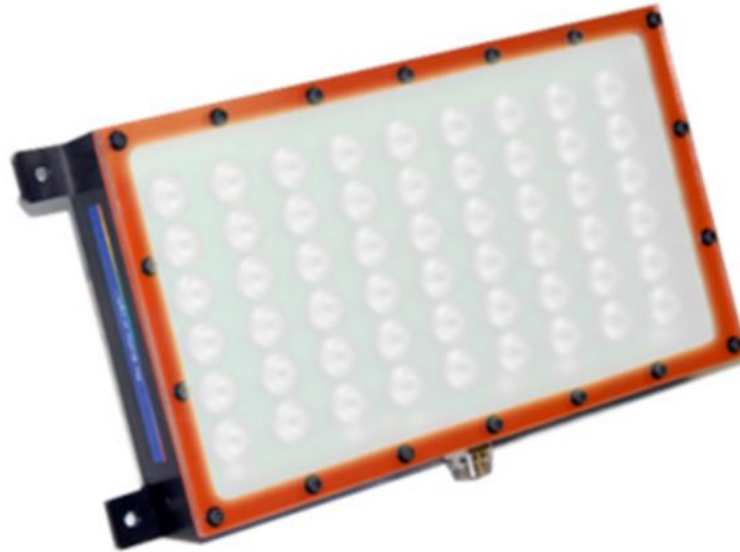


MT-FL

The Washdown Area Front light provides direct intense light in an IP67 rated enclosure. The design has been ruggedized to protect against shock and vibration. Used alone or in pairs these lights have the advantage of being able to be moved to both On and Off axes to provide the best illumination scenario in any indoor/outdoor application.



FEATURES

- IP67 rated, rugged design with thermally potted LEDs
- Shock and Vibration resistant
- Homogenous light output that provides high intensity illumination
- Broad, high power spectrum of light
- LED thermal management for stable performance
- Flicker free performance and instant start up with Metaphase analog driver technology
- An ideal light for many applications
- Optional Constant Current Driver with 0 – 10VDC intensity control, compatible with DDC-3 and ILD-35 Dimmers

WAVELENGTHS

Order ID	Description / nanometers
W	White (6000K), Nominal
R	Red / 630nm
G	Green / 530nm
B	Blue / 470nm
IR850	Infrared / 850nm
IR940	Infrared / 940nm
UV395	Ultraviolet / 395nm

GENERAL SPECIFICATIONS

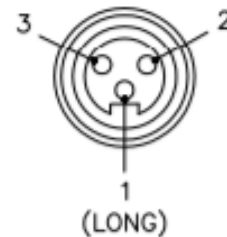
Power Source:	24VDC ±5%
Power Connector:	TURCK P/N: RSF 30-0.2M (3 position)
Housing:	Black Anodized Aluminum
Illuminance:	168,000 Lux, typical (white)
Ambient Temp:	-20°C to 40°C
Lifetime Expectancy:	75,000 hours (except UV)
Ingress Protection:	IP67

MT-FL

Washdown Area Front Lights					
MODEL	Dimensions W x L x H Inches (cm)	Active Area Inches (cm)	Weight Pounds (kg)	Power Connector	Typical Input Current (White LEDs) @24VDC
MT-FL150x300	7.75 x 15.50 x 4.26 (19.69 x 39.37 x 10.81)	6.85 x 12.60 (17.4 x 32.0)	15.2 (6.9)	*TURCK, RSF 30-0.2M	3.2A
MT-FL400x400	19.00 x 20.00 x 4.30 (48.26 x 50.80 x 10.93)	17.00 x 18.00 (43.18 x 45.72)	~20.0 (9.1)	*TURCK, RSF 30-0.2M (Quantity 2)	6.5A

***Use mating connector: TURCK, RKM30-XM (X=the desired length in meters of the pre-wired cabling)**

3 Position BT30 Male Connector	
PIN	Function
1	0-10VDC INTENSITY CONTROL (if applicable) **
2	24VDC
3	GROUND (24V RTN)



****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).

PART NUMBER KEY							
MODEL	SIZE	-	WAVELENGTH	-	DRIVER* (most common)	-	CONNECTOR
MT-FL	XXX	-	XXXXX	-	XXXXXXXX	-	XXXX
MT-FL	150x300 400x400		W (White 6000K, Nominal) R (Red 630nm) G (Green 530nm) B (Blue 470nm) IR850 (Infrared 850nm) IR940 (Infrared 940nm) UV395 (Ultraviolet 395nm)		24Z		BT30 BT302 (BT30 x2)
Example 1: MT-FL150x300-B-24Z-BT30							
Example 2: MT-FL400x400-W-24Z-BT302							

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.

MT-FL

Sample Model Number: **MT-FL150x300-W-24Z-BT30**

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	4/7/2013	
B	REMOVED UNNEEDED PART- SHEET 2	6/11/2013	
C	CHANGED HEAT SINK (ITEM 5) & ADDED ADDITIONAL SCREWS- SEE SHEET 2	8/7/2013	
D	UPDATED SCREW QUANTITY FOR LENS; SEE SHEET 2	2/3/2014	
E	CHANGED LENS SCREW LOCATIONS TO BE CENTERED ON HOUSING LANDS	12/1/2014	
F	CHANGED ADHESIVE FOR LENS MOUNTING	1/23/2018	

Metaphase Technologies, Inc. 211 Sinclair Road, Suite 100, Bristol, PA. 19007 215-639-8699 Fax 215-639-0977		 Top Assy - Flood Light
SEE SHEET 2 FOR EXPLODED VIEW AND BOM	QUANTITY: Per order MATERIAL: Per BOM FINISH: Black Anodize TREATMENT: N/A	TOLERANCE/FINISH UNLESS OTHERWISE SPECIFIED INCHES [MM] DECIMALS FRACTIONS ANGLES ±" X .X .XX .XXX 1/16 (1.5875) 1/32 (.03125) ±.030 [±.76] ±.010 [±.25] ±.005 [±.13]
Approval Signature	Date	THIS DOCUMENT IS THE PROPERTY OF METAPHASE TECHNOLOGIES, INC. WHOM MAY LOAN IT. SUBJECT TO RETURN UPON DEMAND. IT INCLUDES CONFIDENTIAL & PROPRIETARY INFORMATION WHICH MAY NOT BE DISCLOSED TO ANY THIRD PARTY, AND OR USED FOR ANY PURPOSE CONTRARY TO ITS INTENDED USE, WITHOUT THE EXPRESSED PRIOR WRITTEN CONSENT OF METAPHASE TECHNOLOGIES, INC. USED ON: Per customer SIZE: B QUANTITY: FL300X150-1 REV: F SCALE: 1:8 SHEET 1 OF 2

COMPLIANCE



IP67

CONTACT US

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