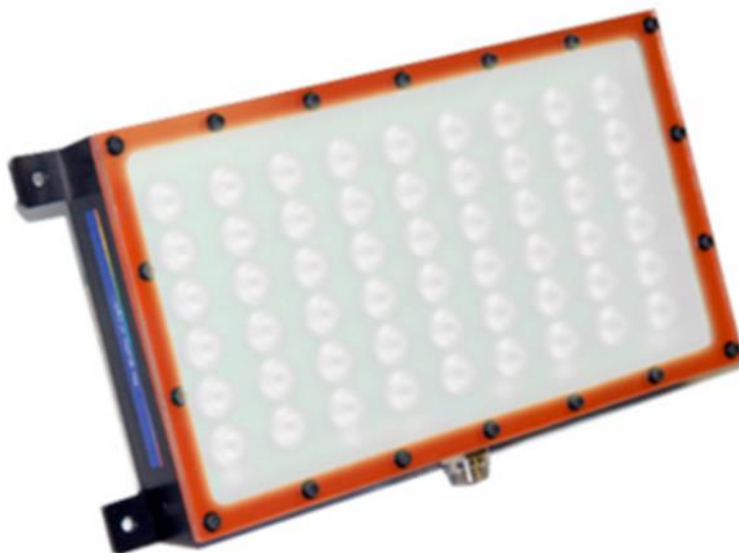## MT-FL300x150

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.

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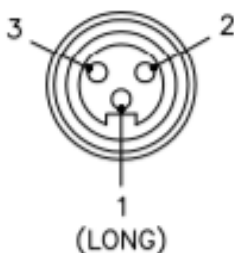| FEATURES |
|---|
| • IP67 rated, rugged design with thermally potted LEDs |
| • Shock and Vibration resistant |
| • Homogenous light output that provides high intensity illumination |
| • Broad, high power spectrum of light |
| • LED thermal management for stable performance |
| • Flicker free performance 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-35-24-L |

WAVELENGTHS	
Order ID	Description / nanometers
W	White (6000K), Nominal
R	Red / 630nm
G	Green / 530nm
B	Blue / 470nm
IR850 (or IRN)	Infrared / 850nm
IR880 (or IRL)	Infrared / 880nm
IR940	Infrared / 940nm

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
Ambient Temp:	-30°C to 60°C
Lifetime Expectancy:	75,000 hours

METAPHASE
215-639-8699

211 Sinclair Road, Suite 100
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www.metaphase-tech.com

MT-FL300x150

Washdown Area Front Light					
MODEL	Dimensions W x L x H Inches (cm)	Active Area Inches (cm)	Weight Pounds (grams)	Power Connector	Typical Input Current (White LEDs) @24VDC
MT-FL300x150	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 (6.894)	*TURCK, RSF 30-0.2M	3.2A
*Use mating connector: TURCK, RKM30-XM (X=the desired length in meters of the pre-wired cabling)					

3   2
1
(LONG)

3 Position 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).

Model Number Key						
Model	-	Color (Wavelength)	-	Voltage	-	Custom Option
MT-FL300x150	-	XXX	-	XXX	-	XXX
MT-FL300x150		**W** (White 6000K) **R** (Red 630nm) **G** (Green 530nm) **B** (Blue 470nm) **IR850 (or IRN)** (Infrared 850nm) **IR880 (or IRL)** (Infrared 880nm) **IR940** (Infrared 940nm) Choose one		**24** (+24VDC) **U** (ULC-2 Controller) **KEY** (Keyence Controller) **ILD** (In-Line Dimmer) **ILS** (In-Line Strobe) Choose one		**Z** (Intensity Ctrl) **XXX** Customizable per order (ie. Customer's initials)

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-FL300x150

Sample Model Number: **MT-FL300x150-W-24**

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

SEE SHEET 2 FOR EXPLODED VIEW AND BOM

QUANTITY:	Per order
MATERIAL:	Per BOM
FINISH:	Black Anodize
TREATMENT:	N/A

TITLE: Top Assy.- Flood Light
USED ON: Per customer
SIZE B   DRAWING NUMBER: FL300X150-1   REV F
SCALE 1:8   SHEET 1 OF 2

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COMPLIANCE

RoHS compliant   CE   IP67

CONTACT US

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

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