

## MetaBright™ High Power Diffuse Dome Light

Model#: MB-DL406



- Size: 7" I.D./10" O.D.
- Patent-pending LED heat management for consistent performance
- High intensity and uniform, non-directional illumination across entire lighting hemisphere for area scan
- Ideal for highly reflective surfaces and textured or topographic objects
- Provides cloudy day illumination, minimizing shadows and glare
- Enclosed workspace blocks interference of ambient light
- Optical grade reflector coating reflects 99.9% of light for optimum diffused output
- Strobe & dimming options
- Mounting: Comes with mounting studs

### Specifications:

Current Consumption	1.59A
Housing	Aluminium
Finish	Powder Coated Black
Intensity Uniformity	+/-5%
Operating Temperature	120° F Max
Illuminance	68,000 Lux
Compliance	CE/RoHS
Lifetime Hours	75,000 Hours

### Wiring Diagram

Flying Leads	Function
RED	+24VDC
WHITE	0~10V
BLACK	Ground
GREEN	Signal Ground

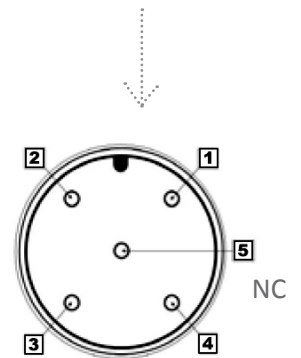
24 AWG 4 WIRES CABLE X 1  
When not using intensity control, connect 0-10V control line to +24 (Max Intensity Control = 25V) and intensity control ground to ground

### M12 Connector

PIN #	Function
1	+24VDC
2	0-10VDC Intensity Control
3	Ground
4	Signal Ground

### Active Area Dimensions Camera Aperture

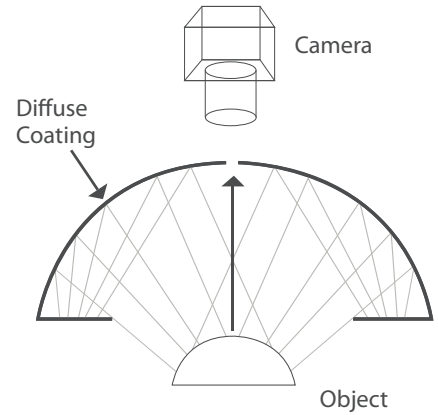
Active Area	Dimensions	Camera Aperture
7" I.D. 177.8mm	5.16in x 11.62in 131.1mm x 295.3mm	1in 25.4mm



### ORDERING INFORMATION:

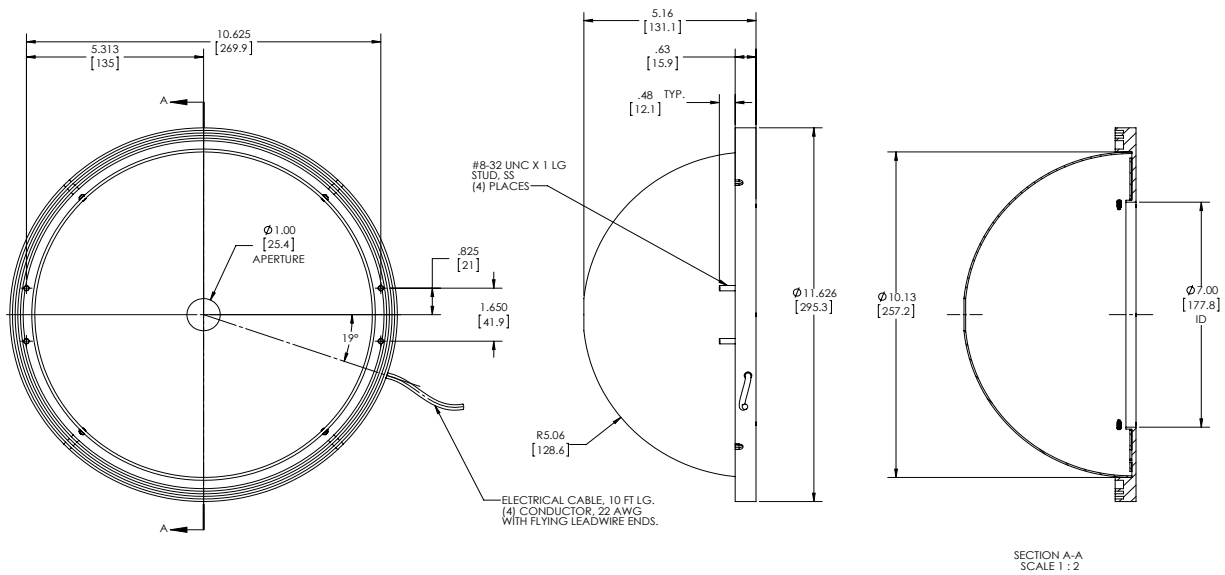
• MB-DL406	-	<input type="checkbox"/>	-	24	-	<input type="checkbox"/>
		<b>W</b>	White 6000k			<b>*BLANK</b>
		<b>R</b>	Red 630nm			<b>T</b>
		<b>G</b>	Green 530nm			<b>ILD</b>
		<b>B</b>	Blue 455 nm			<b>ILS</b>
		<b>IRN</b>	Infrared 850nm			<b>LL</b>
		<b>RGB</b>	625/530/455nm			10 ft. Flying Leads
						M12 Quick Disconnect
						In Line Dimmer
						In Line Strobe (customer provide trigger info)
						Long Focal Lens

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### Drawing

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	REDRAWN IN SOLIDWORKS, KIW	5/10/2012	



SECTION A-A  
SCALE 1:2

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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	METAPHASE TECHNOLOGIES, INC.
DIMENSIONS ARE IN INCHES	DRAWN	5/10/2012	TITLE:
TOLERANCES:	KIW		DOME LIGHT, 7 INCH, ID
FRACTIONAL & MIXED ANGULAR	CHECKED		SIZE (DWG. NO.)
THREE PLACE DECIMAL	ENG APPE		<b>C DL406</b>
	MFG APPE		SCALE: NTS
	QA		SHEET 1 OF 1
	CO-WORKS		REV <b>B</b>
APPLICATION	USED ON	DID NOT SCALE DRAWING	

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