



MEDIUM FLAT MFDOME

FLAT DOME, MEDIUM SIZE, POWERFUL LIGHTING

▷ MACHINE VISION APPLICATIONS

▷ LED LIGHTING SYSTEM

▷ VERY DIFFUSE LIGHTING

▷ THIN BORDERS

▷ FIT CAMERA'S OBJECTIVES

DIFFUSE DIRECTIVE LIGHTING,
VERY THIN.

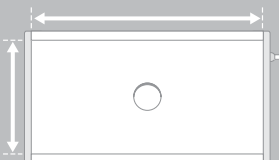
M12 CONNECTOR(S)



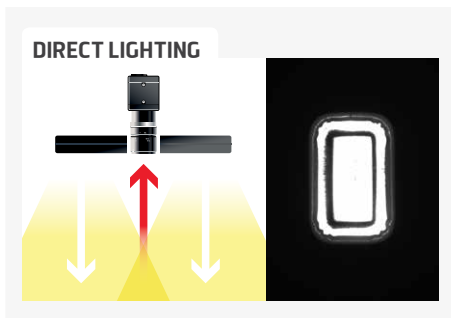
- ✓ Homogeneous lighting,
- ✓ tailor-made manufacturing,
- ✓ continuous and strobe modes.

The MEDIUM FLAT MFDOME is a tailor-made flat dome. The MFDOME can be seriously considered as a real alternative to the dome, when the working space is confined and needs a powerful lighting. Very thin, the MFDOME gets a hole in the middle to insert the camera's lens.

The MFDOME has been made to detect small pieces at the bottom of a container, to highlight thermoformed products and to improve the contrast between materials. Note that the MFDOME works in continuous and strobe modes.



THE **MEDIUM FLAT MFDOME**, EQUIPPED WITH THIN BORDERS, IS AVAILABLE IN **VARIOUS DIMENSIONS**:
From **200 x 200 mm** to **1 000 x 400 mm**.



TECHNICAL SPECIFICATIONS

Electronics	
Power supply	24 VDC +/-10%
Functioning mode	Continuous or strobe according to wiring
Maximum rising time	1.5 ms
Maximum falling time	1 ms
Wiring	1 or 2 M12 4 poles male connectors (according to size)
Max. Consumption	See table
Optics	
Colour	White, Red, Green, Blue, Infrared
Mechanics	
Thickness	45 mm
Width x length	From 200 x 200 mm to 1000 x 400 mm
Central hole diameter	40 mm
Body materials	Aluminum
Diffuser	Opaque diffuser
Fixing	4 M4 screws (not supplied)
Environment	
Operating temperature	0 - 40°C
Storage temperature	0 - 60°C
IP protection	IP 40
Labels	RoHS-CE-DEEE

RELATED PRODUCTS

Ask for your add-ons, customized for the Medium Flat MFDOME :

- wiring
- safety glasses
- fixing hardware

HOW TO BUILD ONE'S REFERENCE

REQUIRED SETTINGS

MFDOME	A useful length of the side without connector*	B useful length of the side with connector*	05	COLOUR										
* Please refer to the table on the opposite page to know the feasible dimensions.				<table border="1"> <tr> <td>WHI</td> <td></td> </tr> <tr> <td>630</td> <td></td> </tr> <tr> <td>525</td> <td></td> </tr> <tr> <td>470</td> <td></td> </tr> <tr> <td>850</td> <td></td> </tr> </table>	WHI		630		525		470		850	
WHI														
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EXAMPLES :		RESULTS :												
MFDOME A = 200 mm B = 200 mm WHITE LEDS :		➔ MFDOME202005-WHI												
MFDOME A = 400 mm B = 300 mm RED LEDS :		➔ MFDOME403005-630												
MFDOME A = 600 mm B = 400 mm BLUE LEDS :		➔ MFDOME604005-470												

MY CONTACT

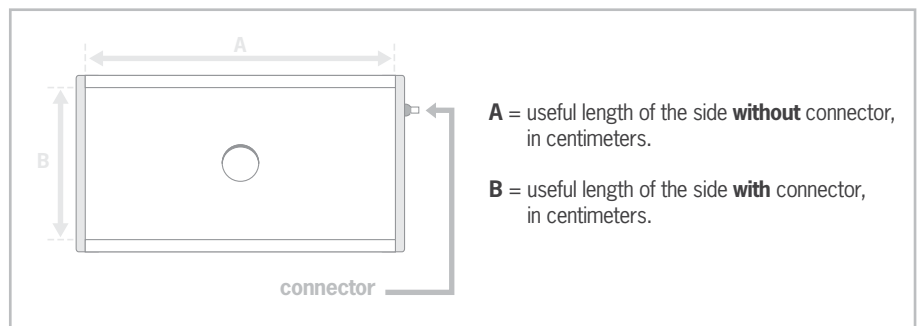
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Other available documents :

- PDF, DWG, DXF, IGS, STEP & X_Y DRAWINGS
- USER'S GUIDE



MAX. CONSUMPTION TABLE

White lighting
 Green lighting
 Blue lighting

B (mm)	A (mm)												
	250	300	350	400	450	500	550	600	650	700	750	800	
250	21	32	32	42	42	50	50	50	63	63	63	83	
300	32	47	47	63	63	76	76	76	94	94	94	125	
350	32	47	47	63	63	76	76	76	94	94	94	125	
400	42	63	63	83	83	99	99	99	125	125	125	165	

Consumption (W)	Number of cables
0-95	1
96-191	2
>192	3

Red lighting

B (mm)	A (mm)												
	250	300	350	400	450	500	550	600	650	700	750	800	
250	16	23	23	31	31	37	37	37	46	46	46	61	
300	23	35	35	46	46	56	56	56	69	69	69	92	
350	23	35	35	46	46	56	56	56	69	69	69	92	
400	31	46	46	61	61	74	74	74	92	92	92	122	

Consumption (W)	Number of cables
0-95	1
96-191	2
>192	3

Infrared lighting

B (mm)	A (mm)												
	250	300	350	400	450	500	550	600	650	700	750	800	
250	18	26	26	35	35	42	42	42	52	52	52	69	
300	26	39	39	52	52	63	63	63	78	78	78	104	
350	26	39	39	52	52	63	63	63	78	78	78	104	
400	35	52	52	69	69	83	83	83	104	104	104	138	

Consumption (W)	Number of cables
0-95	1
96-191	2
>192	3



HOW TO CHOOSE YOUR **FLAT DOME** ?

