Project	
Type	
Contact	

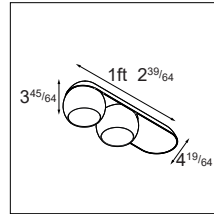# *Marbul Surface Adjustable 4.5*

Overview

Marbul Surface is an ideal choice for residential and hospitality projects, and a ready-made solution for renovation projects. Direct light with a simple twist of the lamp units, each with its own LED module. Cozy in a streamlined gear house, 1, 2 or 3 spheres seem to float against the ceiling.
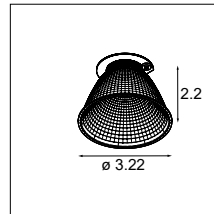
How to Specify (Example)

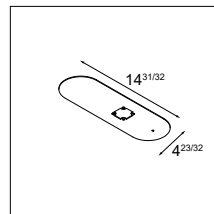### 1. Select Lamp / Body → Page 2

1ft 2³⁹⁄₆₄
3⁴⁵⁄₆₄
4¹⁹⁄₆₄

Example: **MARBU-S-A-4.5-2X-27-DP-010P-DI-350-BLS**
(Marbul Surface Adjustable 4.5 2 lamp, 2700K, damp rated, 0-10V / ELV/ Triac, driver included, black structure)

2. Select Optic → Page 3

2.2
ø 3.22

Example: **O-MR-3.2-M-GOA**
(Magnetic reflector 3.2", medium beam, gold)

3. Select Accessories → Page 4

14³¹⁄₃₂
4²³⁄₃₂

Example: **BP-C-44-MARBUL-2X-BLS**
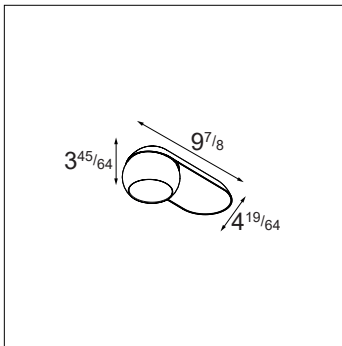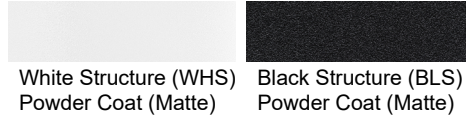(Backplate, for 4x4, black)

Example Order:
Qty.	Item
1	MARBU-S-A-4.5-2X-27-DP-010P-DI-350-BLS
2	O-MR-3.2-M-GOA
1	BP-C-44-MARBUL-2X-BLS

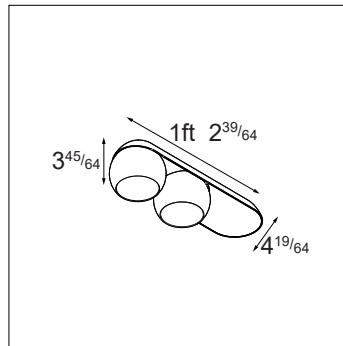**MODULAR**
LIGHTING
INSTRUMENTS
— *by MLI NA Corporation*

Lamp Specifications & Ordering Information

- Aperture: 3.1"
- Adjustability: 360° x 45°
- Body Material: Cast Aluminum
- Finish: Powder Coat
- Driver: Included in Body
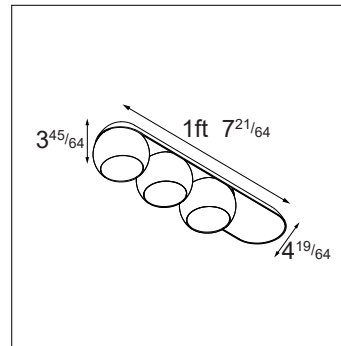- Included: Plaster finish plate for 4x4 octagonal junction box

Finish Options

White Structure (WHS)
Powder Coat (Matte)

Black Structure (BLS)
Powder Coat (Matte)

Marbul 1X

Marbul 2X

Marbul 3X

Ordering Information

| MARBU-S-A-4.5 | - | | - | | - | DP | - | 010P | - | DI-350 | - | |

Marbul Surface Adjustable 4.5				
	1X 1 Lamp	**27** 2700K	**DP** Damp Location	**010P** 0-10V, ELV & Triac
	2X 2 Lamp	**30** 3000K		
	3X 3 Lamp	**35** 3500K		

DI-350 Driver Included 350mA	**WHS** White Structure
	BLS Black Structure

Driver Specifications

| DRIVER	INPUT VOLTAGE	DIMMING TYPE	TYPICAL DIMMING LEVEL**	CONNECTED LOAD (TYPICAL)		
				1X	**2X**	**3X**
010P	120-277VAC, 120VAC*	0-10V, ELV & Triac	1%	8.5 W	17 W	23.5 W

* Dimming via ELV and Triac only compatible at 120VAC
** Consult the factory for dimmer compatibility

Optics Specifications

- Optic selection required for use with Marbul
- Optic needed for each lamp position (e.g. 2 reflectors needed for 2 lamp fixture)
- Optics attach magnetically and can be field installed
- Champagne and gold reflectors will warm the CCT. Contact the factory for more details.

2.2

ø 3.22
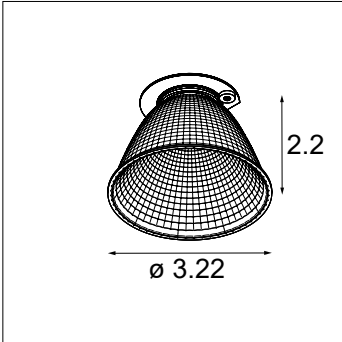
Aluminum

Champagne

Gold

Optic Information & Ordering

O-MR	-	3.2	-		-

| Optical Magnetic Reflector	**3.2** 3.2"	**F** Flood (40°)	**ALA** Aluminum
		M Medium (25°)	**CHA** Champagne
		S Super Spot (10°)	**GOA** Gold

Accessories Specifications

- Accessories are optional (plaster plate comes standard*)
- Backplate / Cover Plate provides a cUL listed option for covering a 4x4 octagonal junction box
- Cover Plate Material: Stainless steel
- Cover Plate Finish: Powder Coat
- Plate Thickness: 0.08"
- Weight: 1.1lbs (1X version)
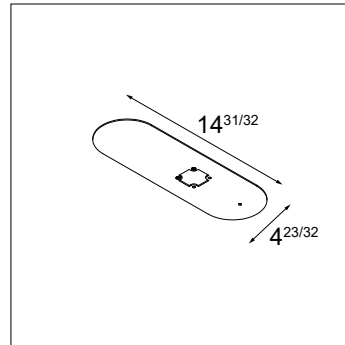 1.5lbs (2X version)
  1.9lbs (3X version)

Finish Options

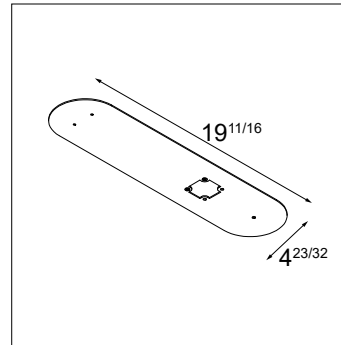| White Structure (WHS) Powder Coat (Matte)	Black Structure (BLS) Powder Coat (Matte)
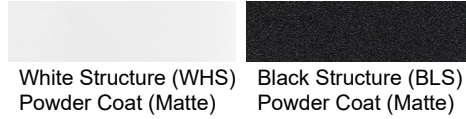
* An additional plaster plate can be ordered to be delivered in advance
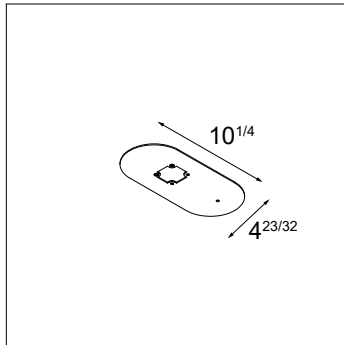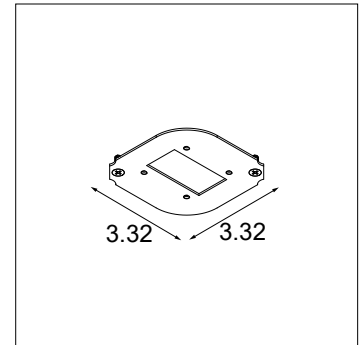

1X Cover Plate

2X Cover Plate

3X Cover Plate

Plaster Finish Plate for 4x4 octagonal junction box

Accessory Ordering Information

BP-C	-	44	-	MARBUL	-		-	

Backplate Cover	44	4"x4" Junction Box	Marbul	**1X**	1 Lamp	**WHS**	White Structure
				2X	2 Lamp	**BLS**	Black Structure
				3X	3 Lamp		

PP	-	44	-	MARBUL	-

Plaster Finish Plate for 4x4 octagonal junction box			**1X-2X**	1 Lamp / 2 Lamp
			3X	3 Lamp

MODULAR LIGHTING INSTRUMENTS
— *by MLI NA Corporation*

Performance Specifications (per lamp module)

Weight	1X - 2.5lbs 2X - 4.3lbs 3X - 6.4lbs
Location	Damp
CRI*	92, R9: 58
Lifetime	L80 B20 @ 50.000 hrs
UGR	see website

For photometric files see website or contact factory

CRI	92.2
R9	58.0

0 10 20 30 40 50 60 70 80 90 100

R1	92
R2	95
R3	97
R4	92
R5	92
R6	94
R7	92
R8	81
R9	57
R10	88
R11	92
R12	80
R13	93
R14	98
R15	88

Rf	90.5
Rg	99.4

Color Vector Graphic
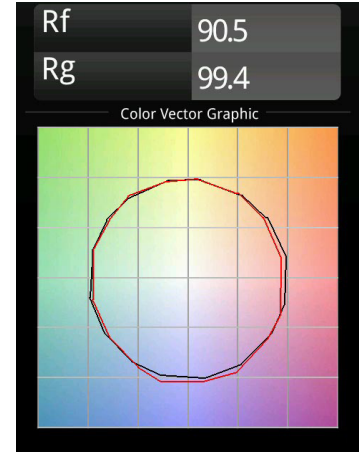
*CRI & TM-30 Value for 3000K, Aluminum Reflector

Output Specifications

Multiply by 2 for 2X output and 3 for 3X output
Reference: 3000K, 40deg (F), Aluminum Finish
( ) indicates multipliers

Reference Delivered Lumens	CCT	Optics	Finish
720lm	2700K (0.88) 3000K (1.0) 3500K (1.02)	F (1.0) M (1.0) S (1.0)	ALA (1.0) CHA (0.85) GOA (0.74)

Example Calculation
To determine typical output for 2700K, Medium, Champagne:
720 x 0.88 x 1.0 x 0.85 = 532 lumen

Listings and Certifications

•   Damp location listed
•   cUL & UL listed
•   Title 24 JA8 certified

Warranty

Visit **https://www.supermodular.com/warranty**