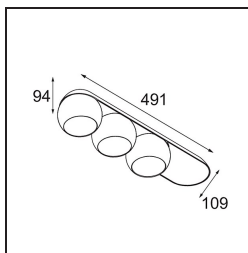


|          |
|----------|
| Date     |
| Customer |
| Project  |
| Type     |

*Marbul Surface Adjustable 109 3x LED 2700K Trailing Edge DI Black Structure*



**Specifications**

|                                 |                      |
|---------------------------------|----------------------|
| Material                        | 11502032             |
| Light Source Type               | LED                  |
| LED Type                        | CREE 1507            |
| LED technology                  | LED COB              |
| CRI                             | Min. 90              |
| Colour Temperature              | 2700K                |
| Lifetime                        | L80B20 @50,000 Hours |
| Lamp Included                   | Yes                  |
| Number of Light Sources         | 3                    |
| CIE flux code                   | 100 100 100 100 88   |
| Binning (SDCM)                  | 2                    |
| Light Direction                 | Down                 |
| Optic                           | Reflector            |
| Input Voltage                   | 230V                 |
| Luminaire power (W)             | 15.0                 |
| Electrical Class                | I                    |
| IP Rating                       | 20                   |
| Glow wire rating (°C)           | 960                  |
| Dimming Protocol                | Trailing Edge        |
| Indoor/Outdoor                  | Indoor               |
| Application                     | Ceiling, Wall        |
| Mounting                        | Surface              |
| Adjustability                   | H 360° V 45°         |
| Distance to Lighted Object (m)  | 0,1                  |
| Primary Colour & Primary Finish | Black, Structure     |
| Gross weight (g)                | 3347.0               |
| Luminous flux per lamp (lm)     | 481                  |
| Efficacy (lm/W)                 | 96                   |
| Glare rating                    | 13                   |

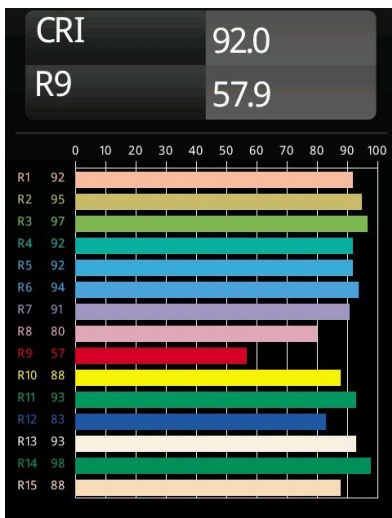
Marbul is a timeless, spherical accent luminaire. Its pure geometrical shape makes it easily fit in every interior. Why designers love it so? The attention to detail and the simplicity of the shape present a minimalistic, elegant and versatile design for those looking to experiment with organic lighting.

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|        |  |
|--------|--|
| Remark | <ul style="list-style-type: none"><li>• 4000K on request</li><li>• This is not a complete product. Discover the required accessories below.</li><li>• Magnetic reflector not included</li><li>• 4000K on request</li><li>• This is not a complete product. Magnetic reflector required.</li><li>• This is not a complete product. Magnetic reflector required.</li></ul> |
|--------|--|

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**TM30 & CRI diagram**



**Light distribution & beam diagram**



Diagrams

### *Optical Accessories*

- **10216830** Reflector 82 Super Spot Aluminium Anodised
- **10216930** Reflector 82 Super Spot Champagne Anodised
- **10217030** Reflector 82 Super Spot Gold Anodised
- **10217130** Reflector 82 Medium Aluminium Anodised
- **10217230** Reflector 82 Medium Champagne Anodised
- **10217330** Reflector 82 Medium Gold Anodised
- **10217430** Reflector 82 Flood Aluminium Anodised
- **10217530** Reflector 82 Flood Champagne Anodised
- **10217630** Reflector 82 Flood Gold Anodised
  
- Choose a required accessory