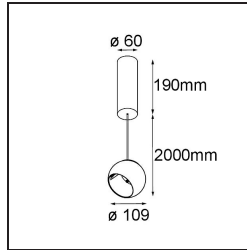


|          |
|----------|
| Date     |
| Customer |
| Project  |
| Type     |

## FFD\_Marbul Suspended Adjustable 109 1x LED 2700K Trailing Edge DI Donkey Grey Structure



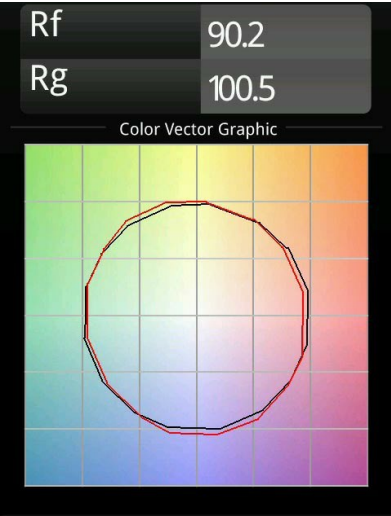
Marbul is a timeless, spherical accent luminaire. Its pure geometrical shape makes it easily fit in every interior. Why designers love it so? The attention to detail and the simplicity of the shape present a minimalistic, elegant and versatile design for those looking to experiment with organic lighting.



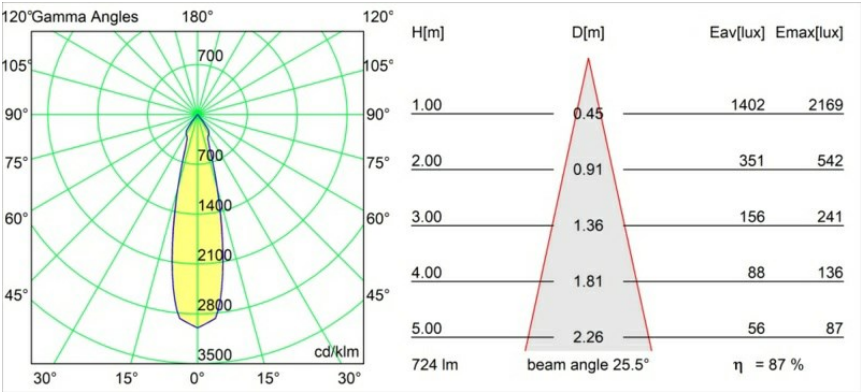
### Specifications

|                                 |                                                                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                        | 14233076                                                                                                                                                                                                                                                                                                       |
| 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         | 1                                                                                                                                                                                                                                                                                                              |
| CIE flux code                   | 100 100 100 100 88                                                                                                                                                                                                                                                                                             |
| Binning (SDCM)                  | 2                                                                                                                                                                                                                                                                                                              |
| Light Direction                 | Down                                                                                                                                                                                                                                                                                                           |
| Optic                           | Reflector                                                                                                                                                                                                                                                                                                      |
| Input Voltage                   | 230V                                                                                                                                                                                                                                                                                                           |
| Luminaire power (W)             | 11.0                                                                                                                                                                                                                                                                                                           |
| Electrical Class                | I                                                                                                                                                                                                                                                                                                              |
| IP Rating                       | 20                                                                                                                                                                                                                                                                                                             |
| Glow wire rating (°C)           | 960                                                                                                                                                                                                                                                                                                            |
| Dimming Protocol                | Trailing Edge                                                                                                                                                                                                                                                                                                  |
| Indoor/Outdoor                  | Indoor                                                                                                                                                                                                                                                                                                         |
| Application                     | Ceiling                                                                                                                                                                                                                                                                                                        |
| Mounting                        | Suspended                                                                                                                                                                                                                                                                                                      |
| Adjustability                   | H 360° V 45°                                                                                                                                                                                                                                                                                                   |
| Distance to Lighted Object (m)  | 0,1                                                                                                                                                                                                                                                                                                            |
| Primary Colour & Primary Finish | Donkey Grey, Structure                                                                                                                                                                                                                                                                                         |
| Gross weight (g)                | 1515.0                                                                                                                                                                                                                                                                                                         |
| Luminous flux per lamp (lm)     | 634                                                                                                                                                                                                                                                                                                            |
| Efficacy (lm/W)                 | 74                                                                                                                                                                                                                                                                                                             |
| Glare rating                    | 14                                                                                                                                                                                                                                                                                                             |
| Remark                          | <ul style="list-style-type: none"> <li>• Magnetic reflector not included</li> <li>• Longer suspension cable on request (standard length is 2 meter)</li> <li>• This is not a complete product. Magnetic reflector required.</li> <li>• This is not a complete product. Magnetic reflector required.</li> </ul> |

TM30 & CRI diagram



Light distribution & beam diagram





*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