



## Introduction

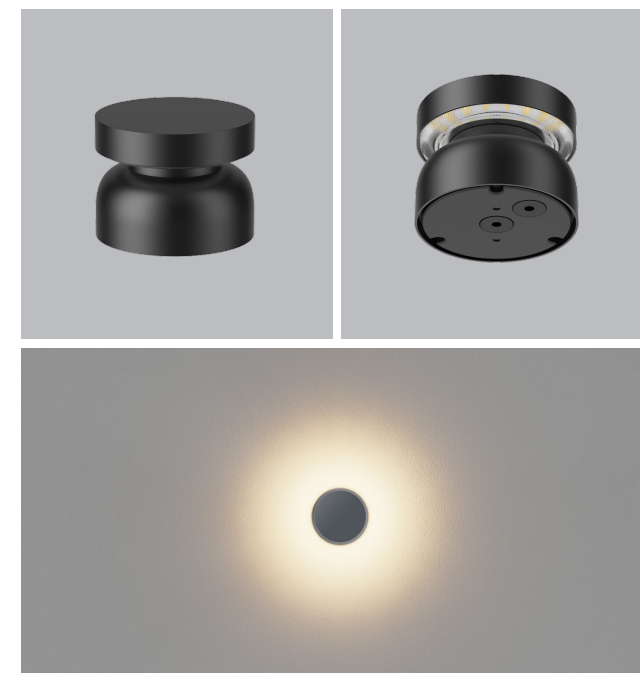
This is an IP65 waterproof wall light for outdoor applications. The housing is made of high-strength aerospace aluminum and a UV-resistant PC cover, strong protection level with waterproof, dust-proof, and corrosion resistance. The surface is available in matte black RAL9005 or slate gray RAL7015, blending harmoniously with the environment. It adopts high efficiency LED chip and PMMA lens for uniform illumination and can effectively reduce glare.

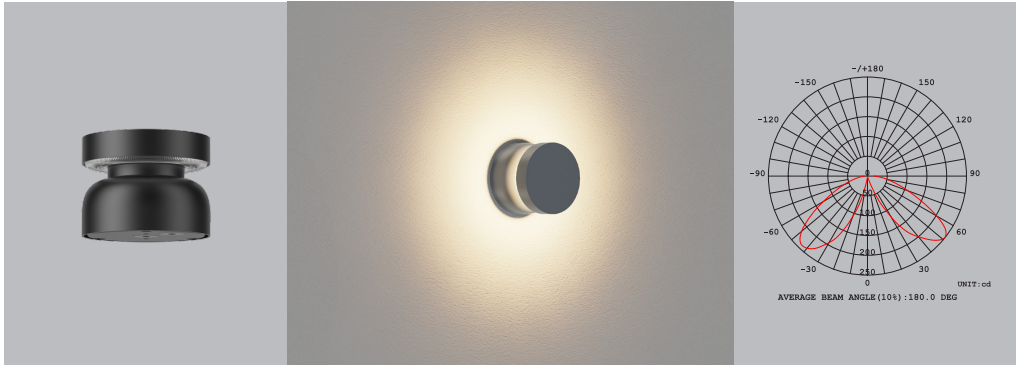
## Features

- Indirect lighting provides a soft and warm atmosphere
- Strong aerospace aluminum housing offers good thermal management
- IP65 IK08 high protection
- Interchangeable CCT(3000K+4000K) with DIP switch
- Finish color: Black RAL9005, gray RAL7015
- Internal flicker free driver

## Application Areas

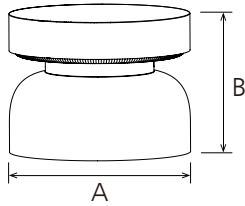
It's widely used in indoor and outdoor scene lighting area, such as yard, green landscape, business street, garden, park etc.





# Technical Data Sheet

|                                 |       |         |  |                                                |  |  |  |
|---------------------------------|-------|---------|--|------------------------------------------------|--|--|--|
| Code                            |       |         |  | WL185-10W                                      |  |  |  |
| Dimension(mm)                   |       |         |  | Ø100*77mm                                      |  |  |  |
| Cutout(mm)                      |       |         |  | -                                              |  |  |  |
| Watt(W)                         |       |         |  | 10W                                            |  |  |  |
| Rated Input Voltage             |       |         |  | AC220~240V                                     |  |  |  |
| Input Voltage                   |       |         |  | AC198~264V                                     |  |  |  |
| LED Module Input                |       |         |  | -                                              |  |  |  |
| Light Source                    |       |         |  | SMD                                            |  |  |  |
| SDCM                            |       |         |  | <6                                             |  |  |  |
| CCT(K)                          |       |         |  | 1-CCT: 2700K/3000K/4000K    2-CCT: 3000K+4000K |  |  |  |
| CCT Selection DIP Switch        |       |         |  |                                                |  |  |  |
| Luminous Flux (lm) ±5%<br>CRI80 | 1-CCT | Non-DIM |  | 640~730                                        |  |  |  |
|                                 | 2-CCT | Non-DIM |  | 630~690                                        |  |  |  |
| CRI                             |       |         |  | CRI80                                          |  |  |  |
| Beam Angle(°)                   |       |         |  | 120°                                           |  |  |  |
| UGR                             |       |         |  | -                                              |  |  |  |
| LED Driver                      |       |         |  | Built-in, Flicker Free                         |  |  |  |
| Dimming Option                  |       |         |  | WL185-10W-ON/OFF                               |  |  |  |
| Sensor                          |       |         |  | -                                              |  |  |  |
| Emergency Kits                  |       |         |  | -                                              |  |  |  |
| Electrical Class                |       |         |  | Class I                                        |  |  |  |
| Ingress Protection(IP Rating)   |       |         |  | IP65                                           |  |  |  |
| Impact Resistance(IK Rating)    |       |         |  | IK08                                           |  |  |  |
| Product Finishing               |       |         |  | Black RAL9005/Grey RAL7015                     |  |  |  |
| Optics Material                 |       |         |  | PC                                             |  |  |  |
| Housing Material                |       |         |  | Die-Casting Aluminium                          |  |  |  |
| Lifetime(hr)                    |       |         |  | 50,000h                                        |  |  |  |
| Glow wire test(°C)              |       |         |  | 750°C                                          |  |  |  |
| Operating Temp.(°C)             |       |         |  | -20°C~45°C                                     |  |  |  |
| Storage Temp.(°C)               |       |         |  | -20°C~65°C                                     |  |  |  |
| Installation                    |       |         |  | Wall mount                                     |  |  |  |



# Measurement

| Code          | Dimension(mm) |    | Size(mm) | Product Weight (Kg) |        | Package weight (Kg) |         | Carton Size(cm) | Qty/CTN | 20GP (pcs) | 40HQ (pcs) |
|---------------|---------------|----|----------|---------------------|--------|---------------------|---------|-----------------|---------|------------|------------|
|               | A             | B  |          | N.W/PC              | G.W/PC | N.W/CTN             | G.W/CTN |                 |         |            |            |
| ART-WL185-10W | Ø100          | 77 | Ø100*77  | 0.54                | 0.63   | 9.72                | 11.825  | 44*29.5*28      | 18      | 13968      | 31428      |

# Driver Datasheet(Non-dimmable)

| Total load wattage |                             | 10W                                  |
|--------------------|-----------------------------|--------------------------------------|
| Output             | Rated output current        | 250mA                                |
|                    | Output Voltage range        | DC30-40V                             |
|                    | Line Regulation             | ±5%                                  |
|                    | Setup Rise Time             | <1S@230V                             |
|                    | Flickering Index            | 5%(Low Rish)                         |
|                    | IEC-PST                     | ≤1                                   |
|                    | CIE(SVM)                    | ≤0.4                                 |
| Input              | Rated Input Voltage         | 220~240V                             |
|                    | Input Voltage               | 198~264V                             |
|                    | Frequency                   | 50/60Hz                              |
|                    | Rated Input Current         | <0.08A                               |
|                    | Input Current               | <0.09A                               |
|                    | Power Factor                | PF>0.85C                             |
|                    | THD                         | <20%@230V                            |
|                    | Efficiency                  | ≥82%                                 |
|                    | Inrush current              | 13.2A/10.86uS                        |
| Protection         | No load wattage             | ≤0.5W@230V                           |
|                    | Stand-by power consumption  | -                                    |
|                    | Short circuit protection    | PASS                                 |
|                    | Over voltage protection     | PASS                                 |
|                    | Over temperature protection | PASS                                 |
|                    | Withstand voltage           | I/P-O/P:3.75kVac, <5mA 60S           |
|                    | Isolation Resistance        | I/P-O/P: 500VDC, ≥4M Ω               |
|                    | Surge                       | IEC/EN61000-4-5 ( L-N:1kv,LN-PE:2kv) |
|                    | EMC Emission                | EN55015, EN61000-3-2                 |
| Safety & EMC       | EMC Immunity                | EN61000-4-2,3,4,5,6,8,11; EN61547    |