

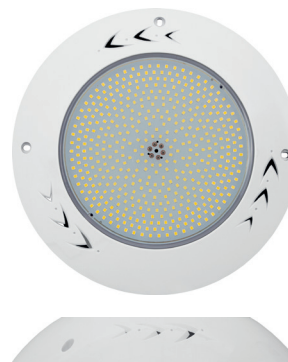
# TECHNICAL DATA



**580135CW**

## **SURFACE-MOUNTED SPOTLIGHT 35W 5700K 120°**

Surface-mounted pool spotlight. 35W power and 2800lm luminous flux. Symmetrical 120° beam angle and 5700K color temperature. Protection rating IP68 against external elements. Housing made of polystyrene with UV protection in white finish and diffuser made of polystyrene with UV protection in transparent finish.



### **PRODUCT SPECIFICATIONS**

|              |                                |
|--------------|--------------------------------|
| Item code:   | 580135CW                       |
| Description: | Surface-mounted pool spotlight |
| EAN13 code:  | 8436568443355                  |

### **ELECTRICAL DATA**

|                              |           |
|------------------------------|-----------|
| Power:                       | 35w       |
| Voltage:                     | 12v AC/DC |
| Frequency:                   | 50 Hz     |
| Power factor:                | 0,9       |
| Dimmable:                    | NOT       |
| Electrical insulation class: | CLASS III |

### **LUMINOUS DATA**

|                                         |             |
|-----------------------------------------|-------------|
| Color temperature:                      | 5700K       |
| Luminous efficiency:                    | 80 lm/w     |
| Lumens:                                 | 2800lm      |
| LED chip model:                         | SMD2835     |
| Beam angle:                             | 120°        |
| Luminous distribution:                  | Symmetrical |
| Color rendering index:                  | >80         |
| Standard desviation of colour matching: | <6          |
| Luminous maintenance factor:            | L95B10      |
| Flicker index:                          | ≤1,0        |
| SVM (Stroboscopic Visibility Measure):  | ≤0,4        |
| Flicker free:                           | YES         |

### **TECHNICAL DATA**

|                        |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Protection rating:     | IP68 (Dust-tight and protected against prolonged immersion in water) |
| Operating temperature: | -20°~50°                                                             |

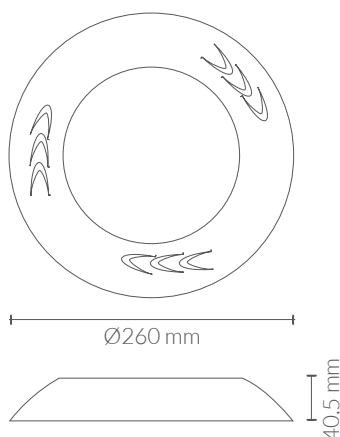
### **AVERAGE LIFESPAN**

|                   |              |
|-------------------|--------------|
| Working hours:    | 30000 hrs    |
| Switching cycles: | 20000 ON/OFF |

## PHYSICAL DATA

|                 |                          |
|-----------------|--------------------------|
| <b>Housing</b>  |                          |
| Material:       | UV-Resistant Polystyrene |
| Finish:         | White                    |
| <b>Diffuser</b> |                          |
| Material:       | UV-Resistant Polystyrene |
| Finish:         | Transparent              |
| <b>Weight</b>   |                          |
| Weight:         | 0,95 kg                  |

## DIMENSIONS



## ENERGY EFFICIENCY 2023(UE-2019/2015)

F

## CERTIFICATIONS

CE & ROHS

### EMC Directive 2014/30/EU ELECTROMAGNETIC COMPATIBILITY

- |                  |                                                                                                                                                                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN IEC 55015     | Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.                                                                                                                                        |
| EN IEC 61000-3-2 | Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per phase).                                                                                                                   |
| EN 61000-3-3     | Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection. |
| EN 61547:        | Equipment for general lighting purposes - EMC immunity requirements.                                                                                                                                                                                        |

### LVD Directive 2014/35/EU LOW VOLTAGE

- |               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| EN 60598-1    | Luminaires. Part 1: General requirements and tests                                                               |
| EN 60598-2-18 | Luminaires. Part 2: Particular requirements. Section 18: Luminaires for swimming pools and similar applications. |
| EN IEC 62031  | LED modules for general lighting. Safety requirements.                                                           |
| EN 62471      | Photobiological safety of lamps and lamp systems.                                                                |
| EN 62493      | Assessment of lighting equipment related to human exposure to electromagnetic fields.                            |

**RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863**  
Determination of certain substances in electrotechnical products.

|               |               |
|---------------|---------------|
| IEC 62321-3-1 | IEC 62321-5   |
| IEC 62321-4   | IEC 62321-7-1 |
| IEC 62321-7-2 | IEC 62321-6   |
| IEC 62321-8   |               |

