

Product category-LED waterproof

Product family

Parameters

Positioning

SmartBright WT099C



- 4800/3800/1800/2000/1000lm
- IP65/ IK06
- 25,000 hrs lifetime
- Without breather,

Trade

- Good protective function
- Good light effect

Essential SmartBright

To be introduced in Q2/Q3

2 PC injection process with clip (TCW060)

1PC dual-color extrusion process and clip-less (WT099C)
unreplaceable, durable and maintenance-free



Flip design:
More steps installation, high cost



Plastic clips may have ageing crack that causes water leakage



Bulky



LED tube:

Might generate extra heat that disable IP capability or early failure of the tube

T8 tube:

Shorter lifetime and high maintenance cost, need to replace from time to time

Integrated design:
UV-shielding PC: safe and reliable

Dow Corning 744 sealant for water proof



Easy to install:
Stainless steel bracket (in package) sliding groove for changeable installation place with ease

Cold light source:
long lifetime, lamp cover is free from heat to avoid yellowing and cracking

All-in-one design:

built-in LED chip and driver
have all test report including IP and thermal dissipation
25,000hrs lifetime, maintenance-free,
Genuine IP65, IK06

SmartBright Waterproof: easier installation+ maintenance free, high efficiency, long life time

PHILIPS

SmartBright LED Waterproof (WT099)



- Up to 50% lower energy consumption compared to TL-D
- Reliable LED technology – maintenance free
- Direct substitute to conventional waterproofs in light performance, installation flexibility & length
- Substitute available for 2X18W/1X36W/2X36W/1X58W/2X58W TL-D

Application



* Comparing to TCW060 TL-D

PHILIPS

Product Specification

| Product family | WT099C | | | | |
|-----------------|---|--------------|--------|-------------|--------|
| | LED Waterproof | | | | |
| System output | 4800lm | 3800lm | 1800lm | 2000lm | 1000lm |
| System power | 46W | 36W | 20W | 21W | 11W |
| Length | 1450*50*70mm | 1168*50*70mm | | 604*50*70mm | |
| Weight | 1.2kg | 0.9kg | | 0.5kg | |
| CCT | CW(6500K)/ NW (4000K) | | | | |
| CRI | CRI >80 | | | | |
| SDCM | SDCM<5 | | | | |
| Photometric | Symmetrical | | | | |
| Lifetime | 25,000hrs (L70) @Ta25C | | | | |
| Control | PSU | | | | |
| LED chip | Philips Lumileds | | | | |
| LED driver | Philips Xitanium (1.5m only) , Philips (the others) | | | | |
| Power factor | 0.9 | | | | |
| Materials | Shading side: PC | | | | |
| | Diffusion side: UV-shielding & PC for thermal stability | | | | |
| | Sealant: DoW Corning744 | | | | |
| | Accessories: SUS301 stainless steel | | | | |
| | Breather: not installed | | | | |
| IP rating | IP65 | | | | |
| IK rating | IK06 | | | | |
| Operation Temp. | -20C~+35C | | | | |
| Classification | Class I | | | | |
| Input Voltage | 220-240V, 50/60 Hz | | | | |
| Color | Beige RAL7044 | | | | |
| Installation | Surface; Suspension | | | | |
| Certificate | CB/EMC/AU&NZ/CE | | | | |

Ordering

| Replacement | 12NC | Description | System lumen | CCT | Power | Length | Control |
|--------------|--------------|---------------------------|--------------|-------|-------|--------|---------|
| 1x36W/ 1x28W | 911401553721 | WT099C LED18 CW PSU L1200 | 1800lm | 6500K | 20W | 1168mm | PSU |
| 2x36W/ 2x28W | 911401553621 | WT099C LED36 CW PSU L1200 | 3800lm | 6500K | 36W | 1168mm | PSU |
| 2x58W/ 2x49W | 911401554421 | WT099C LED45 CW PSU L1500 | 4800lm | 6500K | 46W | 1450mm | PSU |

