

# Landscape Lighting

**OptoLed**  
Saving Energy



# Down Q

## Mechanical Details

- Corrosion resistant die-cast aluminium body
- Excellent heat dissipation for cooling electronics components
- Impact and heat resistant tempered glass
- Stainless steel screws
- Waterproof and durable silicone gaskets
- In compliance with European Standards EN-60598
- Mechanical impact resistance IK 08
- Protection Grade IP66
- Electrical installation Class I
- Electrostatic polyester powder coating with high thermal conductivity

## Electrical Details

### Down Q-30L

- LED Quantity : 30pcs SMD LED
- DC forward current : 110mA
- Optical Lens Efficiency : Polycarbonate diffuser
- PCB Heat Conductivity : >1.2W/mK
- Power Consumption : 13W
- Input Voltage : 230VAC , 24VDC
- Frequency Range : 47 ~ 63Hz
- Power Factor : >0.9
- Total Harmonic Distortion(THD) : <15%
- Color Temperature : 3000-6500 (K)
- Color Rendering Index : >70
- Temperature of Working Condition : - 40C to + 55C
- Humidity of Working Condition : 10% ~ 90%
- Working Life : >50,000Hrs
- Protection Grade : IP66

### Down Q-4H

- LED Quantity : 4pcs Power LED
- DC forward current : 700mA
- Optical Lens Efficiency : Polycarbonate diffuser
- PCB Heat Conductivity : >1.2W/mK
- Power Consumption : 8W
- Input Voltage : 230VAC , 24VDC
- Frequency Range : 47 ~ 63Hz
- Power Factor : >0.9
- Total Harmonic Distortion(THD) : <15%
- Color Temperature : 3000-6500 (K)
- Color Rendering Index : >70
- Temperature of Working Condition : - 40C to + 55C
- Humidity of Working Condition : 10% ~ 90%
- Working Life : >50,000Hrs
- Protection Grade : IP66

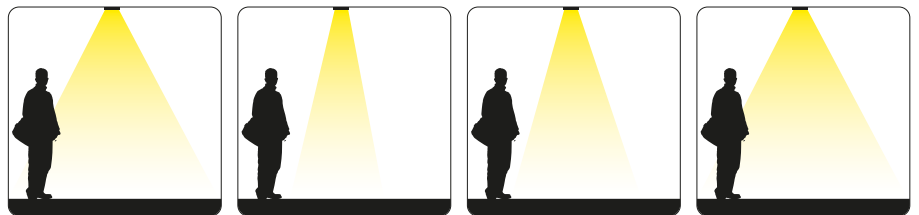
### Down Q-9H

- LED Quantity : 9pcs Power LED
- DC forward current : 700mA
- Optical Lens Efficiency : Polycarbonate diffuser
- PCB Heat Conductivity : >1.2W/mK
- Power Consumption : 18W
- Input Voltage : 230VAC , 24VDC
- Frequency Range : 47 ~ 63Hz
- Power Factor : >0.9
- Total Harmonic Distortion(THD) : <15%
- Color Temperature : 3000-6500 (K)
- Color Rendering Index : >70
- Temperature of Working Condition : - 40C to + 55C
- Humidity of Working Condition : 10% ~ 90%
- Working Life : >50,000Hrs
- Protection Grade : IP66

## Specification

Code	Watt	Lamp	Lumen
Down Q-30L	13W	SMD LED	1540 lm.
Down Q-4H	8W	Power LED	1040 lm.
Down Q-9H	18W	Power LED	2340 lm.

## Technical Detail



Opal Diffuser

25° Polycarbonate Lens

45° Polycarbonate Lens

60° Polycarbonate Lens

## Standards

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