# Solar 27Q

27x10 W high brightness indoor/outdoor compact wash light
ORDER CODE: **SOLAR27Q**

Solar 27Q is a compact fan-free outdoor wash light featuring an outstanding brightness of 10'832 lumens. Equipped with 27x10 W RGBW / FC LEDs, delivering superior colour mixing. Featuring a slim size as well as the multiple interchangeable optics through magnets, including asymmetrical filters which, all together, make the **Solar** 27Q an incredibly flexible device for indoor use and outdoor. Whilst highly-powerful, the **Solar** 27Q also benefits from being silent.

## MAIN FEATURES

- 27x10 W RGBW / FC LEDs, delivering 10'832 lumens
- Compact form factor and fan-free
- Wireless DMX on-board

## TECHNICAL SPECIFICATION

### LIGHT SOURCE
- Source: 27x10 W RGBW / FC LEDs
- CRI: 71,8
- Luminous flux: @FULL 10'832  lm  -  with included filter 6'987 lm
- Lux: @FULL (25°)  6'133 lx  -  with included filter 1'027 lx @3 m full
- Lux: @FULL (25°) 2.208 lx -  with included filter 370 lx @5 m full
- Source life expectancy: > 50.000 h

### OPTICS
- Beam angle: 25° - with included filter 45°
- Field angle: 39° - with included filter 69°
- Additional optics: 10° / 15° / 45° / 40° filter / 10x60° filter / 30x60° filter
- Other: magnetic filter included to achieve 45° (60° filter), barn door not included

### COLOUR SYSTEM
- Colour mixing: RGBW / FC
- CTC: CTC control through independent DMX channel
- Colour wheel: virtual colour wheel with presets

### DYNAMIC EFFECTS
- FX generator: section effect with 3 horizontal individually select and control sections
- Static colour mode: selection of static colour
- Manual colour mode: manual adjustment of colour
- Auto mode: built-in programs with execution speed adjustment

### BODY
- Hardware on-board: magnetic filter frame with 45° filter
- Tilt angle: 0 - 150° with manual regulation
- Body: sturdy die-cast aluminium body conceived for long-time durability
- Body colour: black

### CONTROL
- Protocols: DMX512, RDM, W-DMX
- DMX channels: 5 / 7 / 10 / 13 / 17 channel
- W-DMX: included, wireless solution receiver
- RDM: RDM ready for fixture remote monitor and settings

- Display: black OLED high resolution display
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included
- Master/Slave: for synchronized operation of more units linked in a chain

### ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: different dimming curves available
- Battery backup: battery backup for user operation without connecting to the main power
- Operating temperature: -20° ~ +50°
- Flicker: flicker free frequency with adjustable PWM
- Selectable PWM: 600 ~ 25.000 Hz

### ELECTRICAL
- Power supply: 100-240 V – 50/60 Hz
- Power consumption (at 230 V): 268 W
- Power consumption (at 120 V): 275 W
- Output (at 230 V): 9 units on a single power line
- Output (at 120 V): 5 units on a single power line
- Power factor: 0,994

### PHYSICAL
- Cooling: natural cooling of the peculiar chassis and to absence of fans
- Sospension and fixing: hanging bracket for floor positioning with "Quick-Lock" system
- Signal connection: Seetronic XLR 5p IN/OUT connectors
- Data connection: W-DMX receiver
- Power connection: Seetronic powerCON waterproof IN/OUT connectors
- IP rating: 65 for temporary outdoor application, not for fixed installation
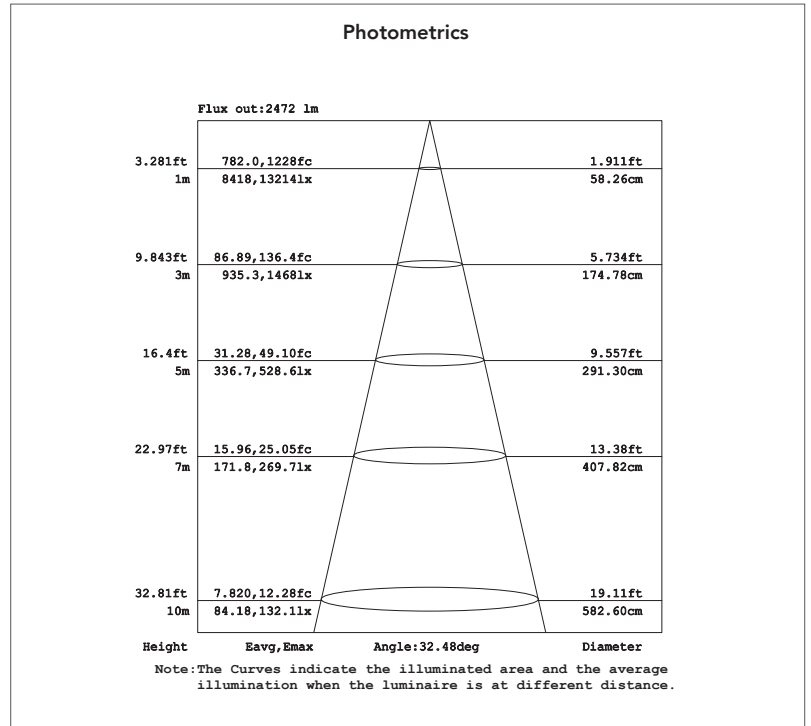- Dimensions (WxHxD): 454x269x83 mm
- Weight: 9 kg

## ACCESSORIES & RELATED PRODUCTS

- OS25: Quick-Lock omega bracket (included)
- S27QFILTER60: 60° symmetric light diffuser filter for SOLAR27Q (included)
- S27QFILTER40: 40° symmetric light diffuser filter for SOLAR27Q
- S27QFILTER1060: 10x60° asymmetric light diffuser filter for SOLAR27Q
- S27QFILTER3060: 30x60° asymmetric light diffuser filter for SOLAR27Q
- S27QLENS: 10°-15°-45° lens for SOLAR27Q, ARCPOD27Q, SOLAR48Q,

ARCPOD48Q, ARCPOD15Q and ARCPOD96Q
- SUNBLASTFLR: Hanging bracket for SUNBLAST floor positioning, quick-look
- S27QBD: Black barn door 4 directional flaps to adjust the light beam, SOLAR27Q,ARCPOD27Q
- FCLS27Q: Flightcase for 6 pcs of SOLAR27Q
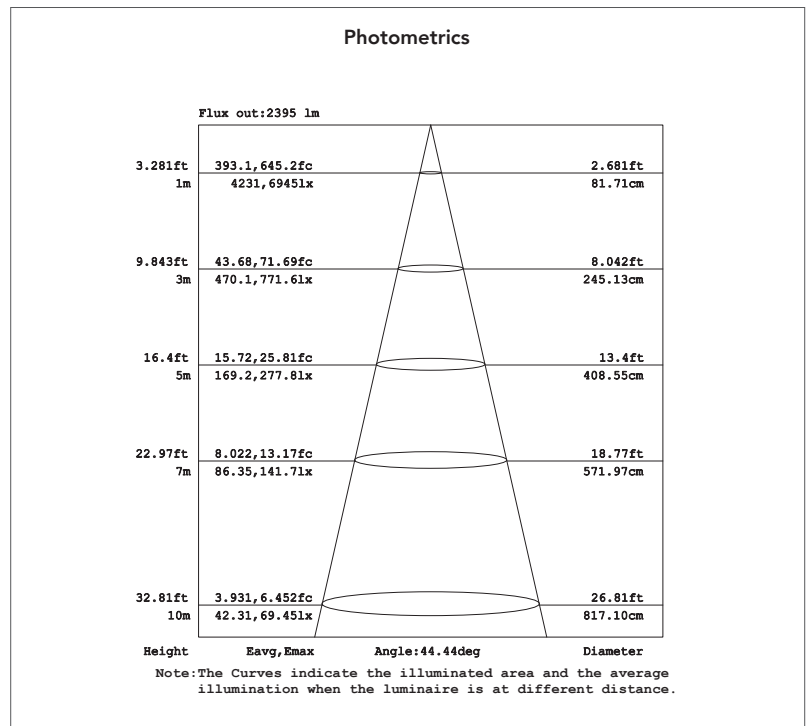- UPBOX1U: Firmware uploader kit, USB IN, 3-pin XLR DMX OUT, USB OUT
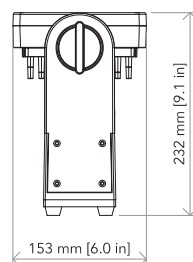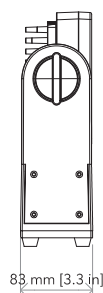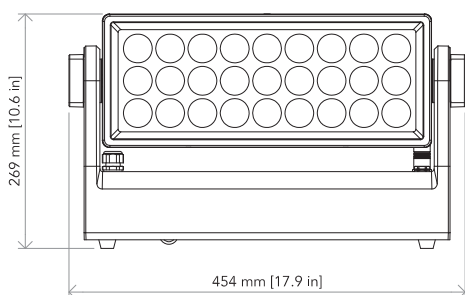
## COLOUR PRESET FULL ON
Beam angle 25° (45° filter)

**Photometrics**

**Flux out:2472 lm**

| Height | Eavg,Emax | Angle:32.48deg | Diameter |
|---|---|---|---|
| 3.281ft | 782.0,1228fc | | 1.911ft |
| 1m | 8418,132141x | | 58.26cm |
| 9.843ft | 86.89,136.4fc | | 5.734ft |
| 3m | 935.3,14681x | | 174.78cm |
| 16.4ft | 31.28,49.10fc | | 9.557ft |
| 5m | 336.7,528.61x | | 291.30cm |
| 22.97ft | 15.96,25.05fc | | 13.38ft |
| 7m | 171.8,269.71x | | 407.82cm |
| 32.81ft | 7.820,12.28fc | | 19.11ft |
| 10m | 84.18,132.11x | | 582.60cm |

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

## COLOUR PRESET FULL ON
Beam angle 45° (45° filter)

**Photometrics**

**Flux out:2395 lm**

| Height | Eavg,Emax | Angle:44.44deg | Diameter |
|---|---|---|---|
| 3.281ft | 393.1,645.2fc | | 2.681ft |
| 1m | 4231,69451x | | 81.71cm |
| 9.843ft | 43.68,71.69fc | | 8.042ft |
| 3m | 470.1,771.61x | | 245.13cm |
| 16.4ft | 15.72,25.81fc | | 13.4ft |
| 5m | 169.2,277.81x | | 408.55cm |
| 22.97ft | 8.022,13.17fc | | 18.77ft |
| 7m | 86.35,141.71x | | 571.97cm |
| 32.81ft | 3.931,6.452fc | | 26.81ft |
| 10m | 42.31,69.451x | | 817.10cm |

Note:The Curves indicate the illuminated area and the average
illumination when the luminaire is at different distance.

## TECHICAL DRAWINGS

269 mm [10.6 in]
454 mm [17.9 in]
83 mm [3.3 in]
153 mm [6.0 in]
232 mm [9.1 in]

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info and downloads
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