

Stark 400

7x40 W high power LED wash/beam light with pixel mapping

ORDER CODE: **STARK400**



Stark 400 is a new generation, high-output LED wash light designed to bring the workhorse LED wash light right up-to-date. Featuring 7 of Osrams new 40 W RGBW Ostar LEDs it delivers a massive output for its size with a huge colour range and an extensive toolkit of effects.

MAIN FEATURES

- Massive 4° to 45° linear zoom range from beam to wash
- Individual control of calibrated pixels with on-board FX generator for fast and precise effects
- Liquid cooling system for efficient cooling with virtually no noise

TECHNICAL SPECIFICATION

LIGHT SOURCE

- Source: 7x40 W RGBW Osram Ostar LEDs
- CCT: Tunable 2.000 K ~ 10.000 K
- Lux: (4°) 38'890 lx @3 m full
- Lux: (4°) 14'000 lx @5 m full
- Source life expectancy: > 50.000 h

OPTICS

- Zoom: 4° - 45° motorised linear zoom
- Lens diameter: 165mm
- Lens type: high-quality glass lens optics

COLOUR SYSTEM

- Colour mixing: RGBW / FC
- CTC: CTC control through independent DMX channel
- White presets: 2.000 K ~ 10.000 K
- Colour wheel: virtual colour wheel with presets
- Macros: several pre-build pixel macros with adjustable speed

DYNAMIC EFFECTS

- Pixel patterns: pre-programmed dynamic and static patterns
- FX generator: adjustable foreground/background colour, index, speed, direction

BODY

- Pan angle: 540° / 630°
- Tilt angle: 233°
- Pan/Tilt resolution: 16 bit
- Feedback: automatic repositioning after accidental movement
- Body: aluminium structure with hi-resistance polycarbonate cover
- Body colour: black

CONTROL

- Protocols: DMX512, RDM, Art-Net, W-DMX
- DMX channels: 16 / 26 / 27 / 32 / 50 channel
- Pixel control: pixel2pixel control
- W-DMX: included, wireless solution receiver
- RDM: RDM ready for fixture remote monitor and settings

- Display: LCD high resolution colour display with autoflip
- Firmware upgrade: yes, via USB - DMX interface (UPBOX2) not included
- Hibernation: power safe mode when lost DMX
- 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
- Strobe / shutter: 1 - 30 Hz, electronic
- Battery backup: battery backup for user operation without connecting to the main power
- Operating temperature: -10° ~ +45°
- Flicker: flicker free operation

ELECTRICAL

- Power supply: 100-240 V – 50/60 Hz
- Power consumption (at 230 V): 265 W
- Power consumption (at 120 V): 265 W

PHYSICAL

- Cooling: combination of heat pipe cooling system and low noise fan
- Suspension and fixing: any position with quick-lock omega brackets
- Signal connection: Amphenol XLR 5p IN/OUT connectors
- Data connection: Art-Net RJ45 IN/OUT
- Power connection: Neutrik powerCON TRUE1 IN/OUT connectors
- IP rating: 20
- Dimensions (WxHxD): 328x452x235 mm
- Weight: 11 kg

ACCESSORIES & RELATED PRODUCTS

- OS24: Quick-lock omega bracket (included)
- WSA40501: WDMX, antenna 2.4Ghz 2dBi omnidirectional, folding, SMA-male, indoor (included)
- WR24ANG5: WIRELESS SOLUTION, nano RX DMX 3.3V/5V-18V MCX (included)

- FCL40019: Flight case for 4x STARK400 or DIAMOND19
- FSHLW01: 1U Foam shell compatible with DIAMOND19, STARK400
- UPBOX2: Firmware uploader kit, USB IN, 3-pin XLR DMX OUT

COLOUR PRESET FULL ON

Beam angle 4°

Photometrics

Flux out: 1,363 lm

3 ft / 1 m	21,145 / 32,517 fc 227,612 / 350,011 lx	0.23 ft 7.02 cm
7 ft / 2 m	5,286 / 8,129 fc 56,903 / 87,503 lx	0.46 ft 14.04 cm
10 ft / 3 m	2,349 / 3,612 fc 25,290 / 38,890 lx	0.69 ft 21.06 cm
13 ft / 4 m	1,321 / 2,032 fc 14,226 / 21,876 lx	0.92 ft 28.08 cm
16 ft / 5 m	845 / 1,300 fc 9,104 / 14,000 lx	1.15 ft 35.09 cm
20 ft / 6 m	587 / 903 fc 6,323 / 9,723 lx	1.38 ft 42.11 cm
23 ft / 7 m	431 / 663 fc 4,645 / 7,143 lx	1.62 ft 49.13 cm
26 ft / 8 m	330 / 508 fc 3,556 / 5,469 lx	1.84 ft 56.15 cm
30 ft / 9 m	261 / 401 fc 2,810 / 4,321 lx	2.07 ft 63.17 cm

Height E avg / E max Angle: 4° Diameter

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°

Photometrics

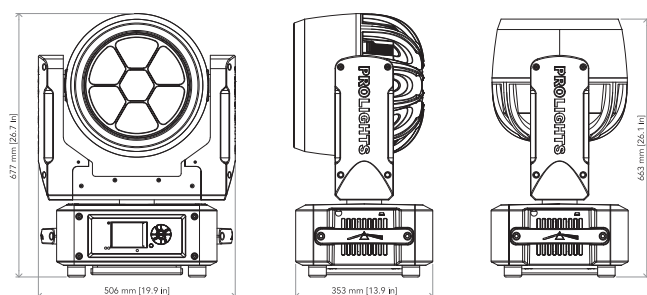
Flux out: 1,054 lm

3 ft / 1 m	1,242 / 1,822 fc 13,378 / 19,621 lx	1.01 ft 30.86 cm
7 ft / 2 m	310 / 455 fc 3,344 / 4,905 lx	2.02 ft 61.72 cm
10 ft / 3 m	138 / 202 fc 1,486 / 2,180 lx	3.03 ft 92.58 cm
13 ft / 4 m	77 / 113 fc 836 / 1,226 lx	4.04 ft 123.44 cm
16 ft / 5 m	49 / 72 fc 535 / 784 lx	5.06 ft 154.30 cm
20 ft / 6 m	34 / 50 fc 371 / 545 lx	6.07 ft 185.16 cm
23 ft / 7 m	25 / 37 fc 273 / 400 lx	7.08 ft 216.02 cm
26 ft / 8 m	19 / 28 fc 209 / 306 lx	8.09 ft 246.88 cm
30 ft / 9 m	15 / 22 fc 165 / 242 lx	9.11 ft 277.73 cm

Height E avg / E max Angle: 45° Diameter

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

TECHICAL DRAWINGS



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