

48



**MULTI  
CHIP**  
LED TECHNOLOGY

**WIRELESS  
DMX/RDM  
CRMX**

**MULTIPLE  
LIGHTING  
FORMATS**

48

# CityFlex 48

**ROBE**  
www.robe.cz

Head office: ROBE lighting s. r. o. | Házovice 2090 | 756 61 Rožnov pod Radhoštěm | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz  
Factory: ROBE lighting s. r. o. | Palackého 416 | 757 01 Valašské Meziříčí | Czech Republic | Tel.: +420 571 751 500 | Fax: +420 571 751 515 | E-mail: robe@robe.cz | UK: ROBE UK Ltd. | Northampton, UK | Tel.: 01604 741000 | E-mail: info@robeuk.com | America: ROBE Lighting Inc. | 12349SW 53<sup>rd</sup> Street, Suite 202 | Cooper City | FL, USA | Tel.: +1 954 680 1901 | E-mail: info@robelifting.com  
South-East Asia: ROBE S.E.A. | Singapore | Tel.: +65 8118 6665 | E-mail: info@robe-sea.com | United Arab Emirates: Makateb Business Centre | Makeen Tower, Corner of 9th and 10th Street Abu Dhabi | UAE | Tel.: +971 2 657 3461 | E-mail: info@robe-me.com | Russia and CIS: Taganskaya str. 26 - 1 - 72 | 109004 Moscow | Russia | Tel.: +7 495 504 9569 | E-mail: info@roberussia.com  
Central and South America: Galicia 1200 ap 303 | 1100 Montevideo | Uruguay | Tel.: +5982 2900 67 47 | E-mail: info@robecs.com

August 2011 © ROBE lighting s. r. o. All specifications subject to change without notice. Patents pending.



# CityFlex 48

**ROBE**

CityFlex



**PERFECT  
COLOUR  
MIXING**

**INDIVIDUAL  
CONTROL OF  
EACH LED**

**TRUE  
WHITES**

# CityFlex 48

# Innovative technology

# Fine touch features

# Product diagrams

Latest multichip LED technology is harnessed in these customizable powerful LED lines with unbeatably strong and uniform light output suitable for any application with the highest requirements. The unique design (patent pending) allows multiple lighting formats from one fixture – be it a compact floodlight format, traditional linear LED format or a variety of different angled options. The fixture's incredible flexibility means previously unobtainable effects are now available from a single unit. Durable housing of aluminium casting (with IP 65 rating) is fitted with bright multichip LEDs that create ideal colour mixing in single point source of definable pixel pitch. Individually controlled LEDs allow pixel mapping of many custom shaped lines into unique personalized designs. Integrated universal mounting system is prepared for standing or mounting in any position on the floor, wall or trusses. Quiet convectionally cooled control unit with a number of controlling protocols including DMX and RDM allows easy setup via Control display screens and provides possibilities for daisy chaining of DMX.

## Source

- Light source: 4 LED line strips, each with 3x Cree MC-E RGBW multichip
- Led Life Expectancy: minimum 60.000 hours
- Typical Lumen Maintenance: 70% @ 60.000 hours

## Optical System and effects

- High efficient component optics
- Beam angle: 25°
- RGB W colour mixing
- Preset colour
- High resolution dimmer 0–100%
- Strobe effect with variable speed
- Pre-programmed random strobe pulse-effects
- White colour balance adjusting

## Mechanical Specification

- Height: 162 mm (6.3")
- Width: 881 mm (34.7")
- Depth: 193 mm (7.6")
- Weight: 6.5 kg (14.3 lbs)
- LED strips can be separated from control base
- Wide range of LED modules positioning:
  - All strips towards base: pan +/-50° tilt +/-90°
  - Strips against each other: pan +/-180° tilt +/-90° (+/- 30° outer strips)
- Protection factor: IP 65

## Electrical Specification

- Electronic auto-ranging
- Input voltage: 100–240V AC, 50–60Hz
- Max. power consumption: 120W, 130VA

## Thermal

- Maximum ambient temperature: 40 °C (104 °F)
- Maximum housing temperature: 80 °C (176 °F)

## Control and programming

- Setting & Addressing: 4-digit LED display & four control buttons
- Protocols: USITT DMX-512, RDM
- Control channels: 4, 48, 52, 8, 2
- 5 DMX protocol modes
- Pixel control - each LED multichip can be controlled separately
- Wireless DMX
- Stand-alone and master/slave operation
- 3 user editable programs each up to 32 steps
- Data in/out: 1.3m long cable with 5-pin XLR connectors

## Rigging

- Adapter holder + 1x Omega bracket with ¼-turn quick locks
- Possibility to rig fixture base and LED line strips separately

## Multichips

New LED technologies use several LED chips on a single module that creates just perfect point source of extremely smooth new dimensional colour mixing of RGBW.



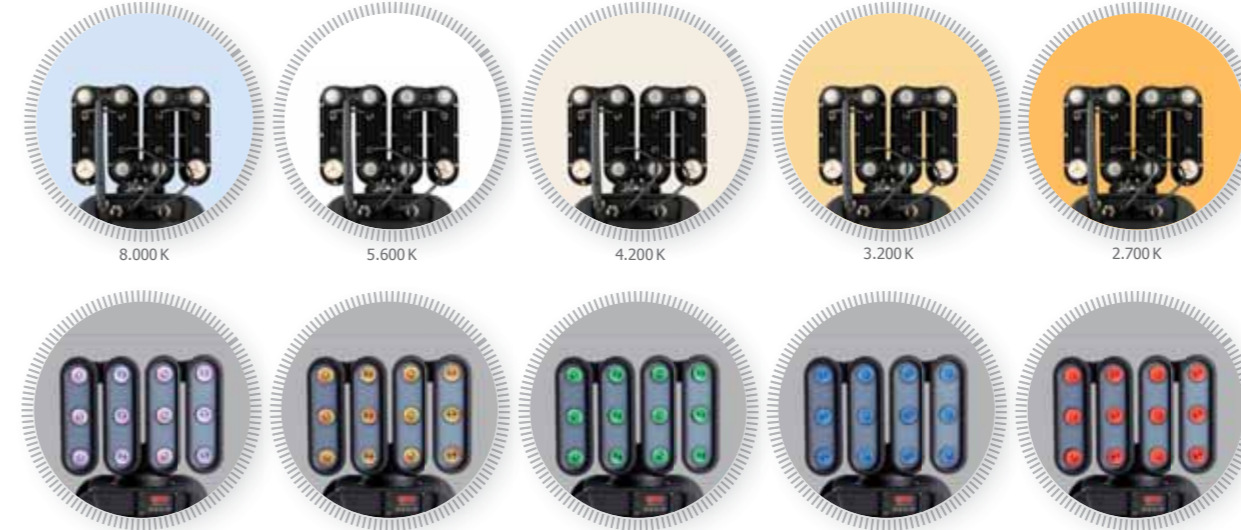
## Incredible Flexibility

Multiple lighting formats and special effects are available from a single unit, thanks to a unique design. (patent pending)



## True White Colours

Spotless colormixing of specially calibrated LEDs together with predefined values on a Virtual Colour wheel channel allow quick direct calling of exact white hues of 2.700K, 3.200K, 4.200K, 5.600K and 8.000K.



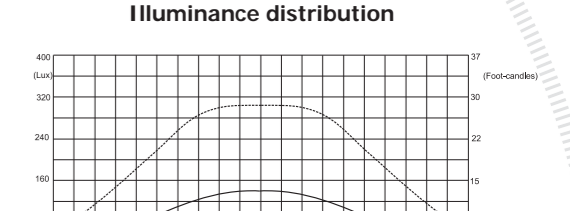
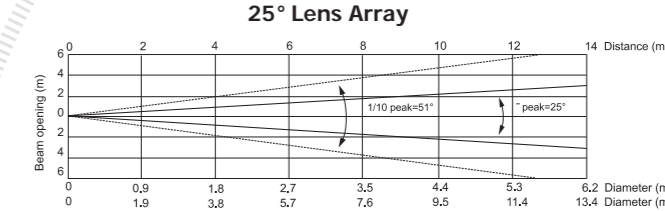
## Colours

The unique technology allows individual control of each LED pixel, module or the whole fixture.



## LED colours

CityFlex 48 is able to produce 4300 from pastel to saturated colours.



## Strips position

