DisplayCob TRWDFC

60W RGB / FC track mounted and W-DMX / DMX spotlight
ORDER CODE: **DISPLAYCOBTRWDFC**

PROLIGHTS

DisplayCob TRWDFC is a track mounted 60 W RGB / FC COB spotlight, designed with electronic and user interface on board being able to be implemented with any existing lighting track easily. The on board Wireless DMX receiver allow users to control this luminaire without any cable, so it doesn't need a specific track with data wirings, or it can be hanged without its track adaptor, anywhere using the onboard bracket and controlling via wired DMX protocol. **DisplayCob** TRWDFC optical systems is composed by a powerful 60 W COB LED source and a parabolic reflector, with swappable lenses allowing a beam angle from 15° up to 60° for a perfect focusing. **DisplayCob** TRWDFC features are an ideal solution to add dynamics and creativity in any installations such as commercials, hotels, restaurants and art galleries.

MAIN FEATURES

- 60W RGB / FC COB spotlight with swappable optical group (15° ~ 60°)
- Electronics on board and not on track for easy implementation
- W-DMX and DMX512 control

TECHNICAL SPECIFICATION

LIGHT SOURCE
- Source: 60W COB RGB / FC LEDs
- Luminous flux: 1'726 lm @full
- Lux: (60°) 223 lx @3 m full
- Lux: (30°) 573 lx @3 m full
- Source life expectancy: 50.000 hrs (L70 @25° C / 77° F)

OPTICS
- Beam angle: 60°
- Field angle: 80°
- Lens type: parabolic reflector in combination with HD fresnel lens
- Additional optics: 30° (included), 15° (optional)

COLOUR SYSTEM
- Colour mixing: RGB / FC
- White presets: 3.200 K ~ 10.000 K
- Colour wheel: virtual colour wheel with macros
- Macros: built-in white presets

DYNAMIC EFFECTS
- Static colour mode: selection of static colour
- Manual colour mode: manual adjustment of colour
- Auto mode: built-in programs with execution speed adjustment

BODY
- Body: sturdy die-cast aluminium body
- Body colour: RAL 9003

CONTROL
- Protocols: DMX512, W-DMX
- DMX channels: 3 / 5 / 8 channel
- W-DMX: included, wireless solution receiver
- Display: Graphic User Interface
- Firmware upgrade: yes, via USB - DMX interface (UPBOX1) not included
- Master/Slave: for synchronised operation of more units linked in a chain

ELECTRONICS
- Dimmer: linear 0 ~ 100% electronic dimmer
- Dimmer curves: 4 selectable dimming modes available
- Strobe / shutter: 1 ~ 25 Hz, electronic
- Operating temperature: -20° C / +45° C (-4° F / +113° F)
- LED Control: flicker free operation
- Selectable PWM: 600 ~ 25.000 Hz

ELECTRICAL
- Mains power supply: 100-240V - 50/60Hz
- Max power consumption: 75W
- Max power consumption (at 120V): 70W
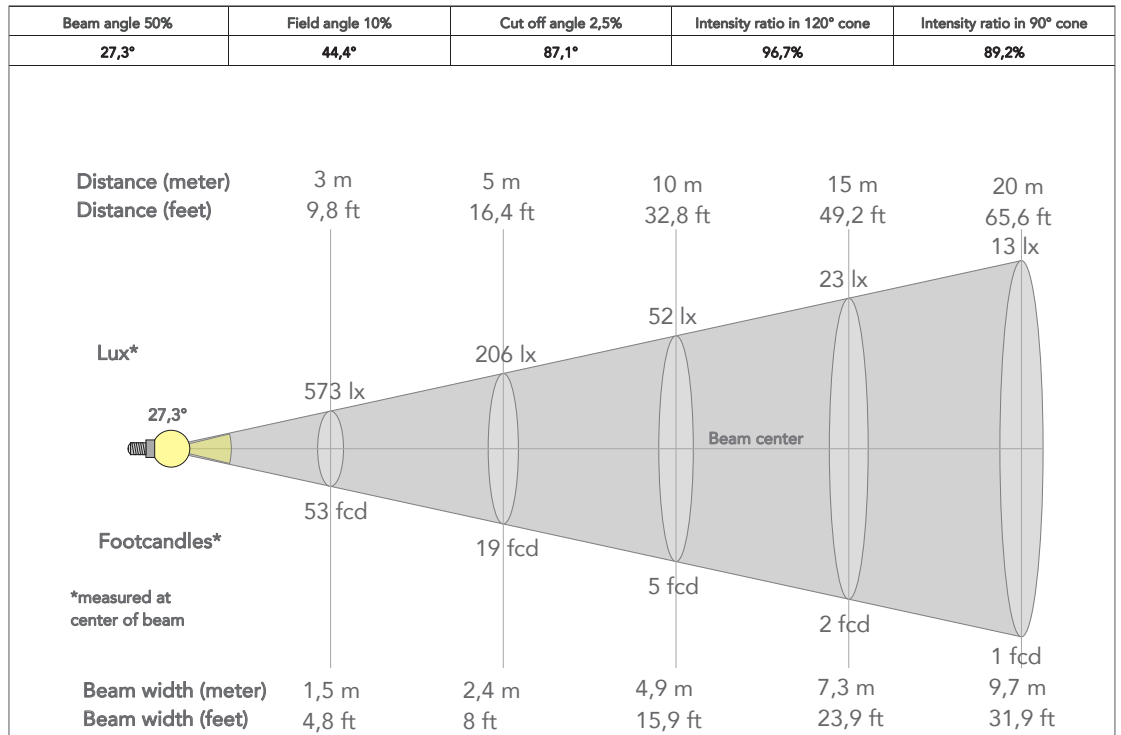- Output (at 230V): 19 units on a single power line

PHYSICAL
- Cooling: passive cooling and fan-free
- Suspension and fixing: track-adapter included for suspension and fixing
- Signal connection: XLR 5p IN/OUT connectors
- Power connection: track adaptor (EUTRAC, STAFF, GLOBAL, IVELA compatible)
- IP rating: 20
- Dimensions (WxHxD): 167x290x163 mm
- Weight: 1,85 kg

ACCESSORIES & RELATED PRODUCTS

▪ TRACKADAWH	Track adaptor - White
▪ DISPLAYCOBL30	Optics for DISPLAYCOB projectors series, 30°
▪ DISPLAYCOBL15	Optics for DISPLAYCOB projectors series, 15°
▪ DISPLAYCOBTPGWH	Filter frame for DISPLAYCOB projectors, white
▪ DISPLAYCOBBDWH	Barn door with 4 directional flaps to adjust the light beam, for DISPLAYCOB, WH

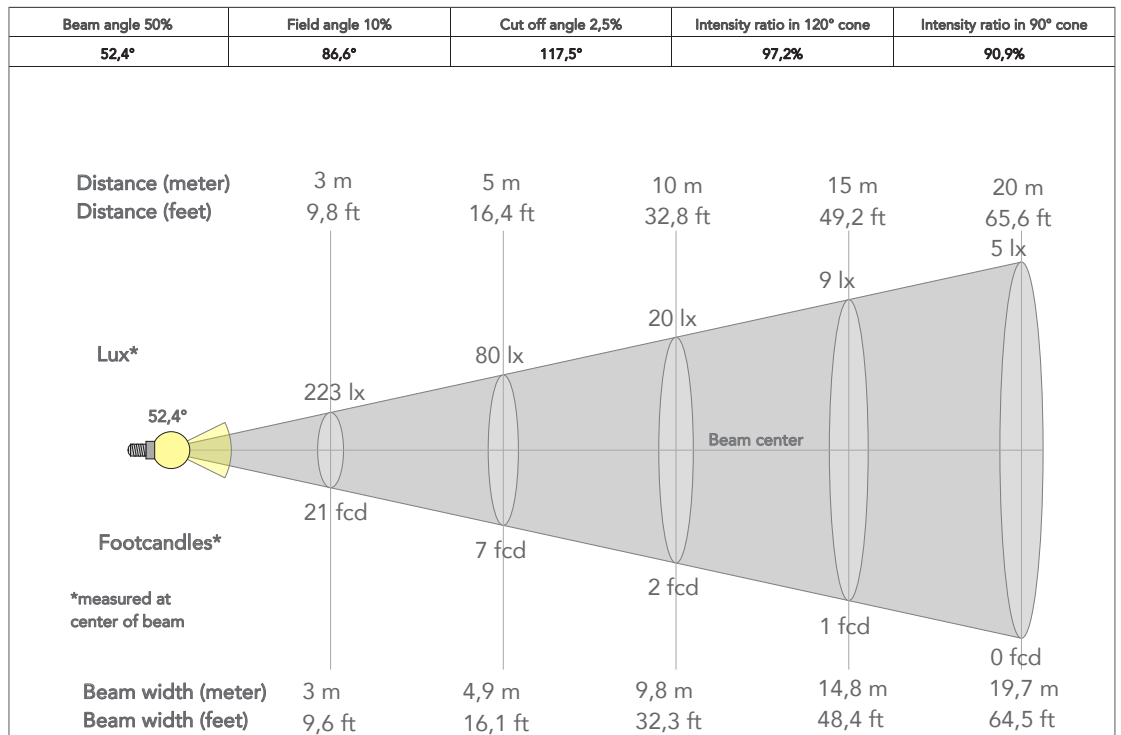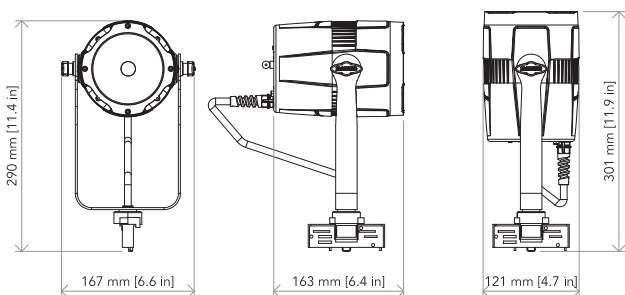|	
▪ UPBOX1U	Firmware uploader kit, USB IN, 3pin XLR DMX OUT, USB OUT
▪ WSBBF1G5	BlackBox F-1 G5 transmitter, 2,45GHz & 5.2/5,8 GHz, DMX/RDM, 512Ch
▪ WDBBOX	WDMX battery transmitter, mini 5p DMX and WIFI IN, 2.4 GHz, 0.4 kg

PRESET FULL ON
Beam angle 50%: 30°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,3°	44,4°	87,1°	96,7%	89,2%

Distance (meter)	3 m	5 m	10 m	15 m	20 m
Distance (feet)	9,8 ft	16,4 ft	32,8 ft	49,2 ft	65,6 ft

Lux*

27,3°

Beam center

573 lx / 206 lx / 52 lx / 23 lx / 13 lx

53 fcd

Footcandles*

19 fcd

*measured at center of beam

5 fcd

2 fcd

1 fcd

Beam width (meter)	1,5 m	2,4 m	4,9 m	7,3 m	9,7 m
Beam width (feet)	4,8 ft	8 ft	15,9 ft	23,9 ft	31,9 ft

PRESET FULL ON
Beam angle 50%: 60°

Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,4°	86,6°	117,5°	97,2%	90,9%

Distance (meter)	3 m	5 m	10 m	15 m	20 m
Distance (feet)	9,8 ft	16,4 ft	32,8 ft	49,2 ft	65,6 ft

Lux*

52,4°

Beam center

223 lx / 80 lx / 20 lx / 9 lx / 5 lx

21 fcd

Footcandles*

7 fcd

*measured at center of beam

2 fcd

1 fcd

0 fcd

Beam width (meter)	3 m	4,9 m	9,8 m	14,8 m	19,7 m
Beam width (feet)	9,6 ft	16,1 ft	32,3 ft	48,4 ft	64,5 ft

TECHNICAL DRAWINGS

290 mm [11.4 in]

167 mm [6.6 in]

163 mm [6.4 in]

121 mm [4.7 in]

301 mm [11.9 in]

CE