



# LED Fusion Bar

- Outdoor rated Quad colour (4 in-one) RGBW 1m long LED bar.
- Batten delivers vibrant linear colour washes and an individually controllable 15 x 1 pixel matrix



## Physical

Size of Unit	1000 x 150 x 85mm
Item Weight	8.5kg
Quantity in Case	8
Size of Unit Cased	1100 x 580 x 615mm
Cased Weight	140kg

## Electrical

Rated Power	162w
Input Power	100-240v 50/60Hz
Power Connection	PowerCON Trueone top

## Mounting Options

Hanging Type	Omega clamp and trigger
Freestanding	Feet
Expo LX	Yes

## Optical

Light Source	15 x 10w RGBW LED
Beam Angle	28° x 16°
Colour Temperature	6600k max
CRI	72
Light Output 2m	2444
Light Output 4m	847
Light Output 6m	444

## Control

Control Method	Stand alone / DMX / WDMX
DMX Mode	4, 6, 10, 60, 65ch
DMX Channel List	-
DMX Connection Types	IP65 5pin XLR in/out

## Environmental

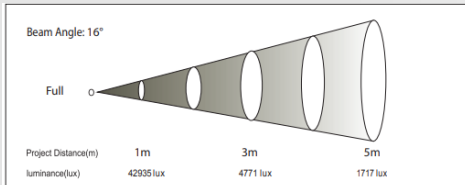
IP Rating	IP65
Cooling	Convections
Max Operating Temperature	-20° ~ 40°

## Suitability

Can be submerged in water and get wet  
Outdoor up-lighting

## Accessories Included

- 2 x Feet
- 1 x Omega bracket with
- 1 x Trigger
- 1 x Safety chain
- 1 x Trucon



### Channel Allocation

	4-CH	6-CH	10-CH
1	Red	Master Dimmer	Master Dimmer
2	Green	Red	Red
3	Blue	Green	Green
4	White	Blue	Blue
5		White	White
6		Strobe	Strobe
7			Color Macros
8			Auto Programs
9			Auto Program Speed
10			Dimmer Curve Select

**60-channel mode:** Individual 4-channel RGBW control of each pixel

**65-channel mode:** Individual 4-channel RGBW control of each pixel +  
Auto Programs  
Auto Program Speed  
Master Dimmer  
Strobe  
Dimmer Curve Select

## Information Links

Manufacturer Link [Showtech Fusion Bar](#)

Data Sheet [User Manual](#)

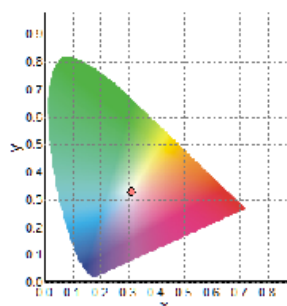
Data Sheet [Photometry Report](#)

## Report of Photometry & Chromaticity for Light Source



### Product Description

Product Name	LED FusionBAR	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:22:55	
Manufacturer	Pro Shop Showtech	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

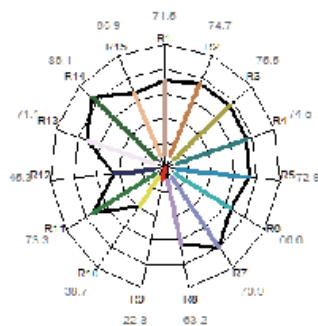


CIE1931 Chromaticity Diagram

### Photometry and Chromaticity

CIE_x	0.3112	Duv	0.0028
CIE_y	0.3267	$\lambda_d$ (nm)	487.8
CIE_u'	0.1976	Purity(%)	8
CIE_v'	0.4669	FWHM(nm)	27
CCT(K)	6608	SP ratio	2.04
Illuminance(lx)	2444	PPFD( $\mu\text{mol}/\text{m}^2 \text{ s}$ )	34.9
$\lambda_p$ (nm)	446	CRI(Ra)	72
TLCI(Qa)	51.5	GAI	87.9
GAI BB8	90	GAI BB15	93
TM-30 Rf	70	TM-30 Rg	95

CQS-Qa	72	Re(thru R1~R15)	62
R1	71.5	R6	66.6
R2	74.7	R7	79.9
R3	75.5	R8	63.2
R4	74.5	R9	-22.3
R5	72.9	R10	38.7
R11	73.3	R12	45.3
R13	71.1	R14	86.1
R15	65.9		

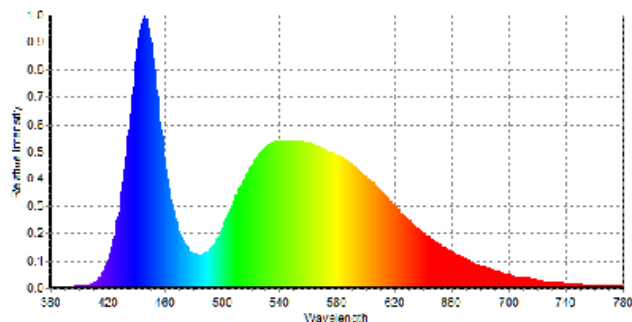


Radar Diagram of CRI

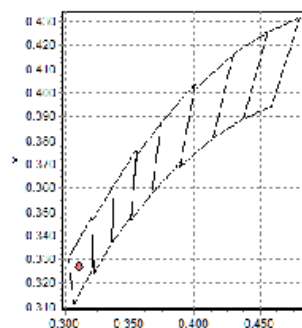
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



C78.377-2008