

LED Fresnel DMX Dimmer & Zoom



A high output LED engine which has equivalent output to a traditional 2000w Fresnel, but with very low power consumption. Onboard electric zoom and DMX controllable



Physical

Size of Unit	300 x 300 x 500mm
Item Weight	9kgs
Quantity in Case	4
Size of Unit Cased	800 x 800 x 750mm
Cased Weight	82kgs

Electrical

Rated Power	200w
Input Power	100v-240v 5-/60Hz
Power Connection	Powercon connector

Mounting Options

Hanging Type	Yoke
Freestanding	Yes
Expo LX	Yes

Optical

Light Source	200w COB
Beam Angle	2° - 50°
Colour Temperature	3200k
CRI	91
Light Output 2m	2° 8496 / 50° 24374
Light Output 4m	2° 2411 / 50° 8036
Light Output 6m	2° 1141 / 50° 3739

Control

Control Method	Stand alone/ DMX
DMX Mode	2ch
DMX Channel List	dim / electronic zoom
DMX Connection Types	3pin / 5pin

Environmental

IP Rating	IP22
Cooling	Fan / Heatsink
Max operating temperature	80 degrees

Compatibility

Replacement for 1200w Selecon Fresnel
Low power consumption

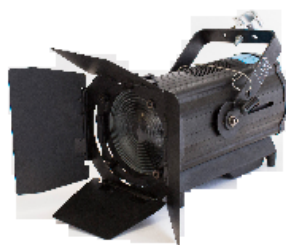
Information Links

Manufacture Link [Harry the hirer](#)

Data Sheet [Photometry Report](#)

Min Zoom

Report of Photometry & Chromaticity for Light Source



Product Description

Product Name	LED Fresnel DMX Dimmer and Zoom Min		
Sample Number			
Date(YYYY/MM/DD)	2020/5/6 11:50:59		
Manufacturer	HTH		
Tester	HTH		
Temperature(°C)	20	Re. Humidity(%)	
Reviewer			

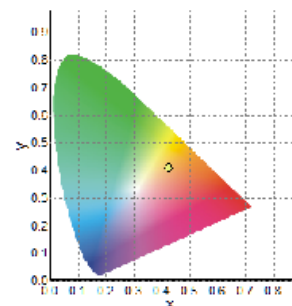
Photometry and Chromaticity

CIE_x	0.4257	Duv	0.0028
CIE_y	0.4068	λ_d (nm)	580.9
CIE_u'	0.2422	Purity(%)	50
CIE_v'	0.5208	FWHM(nm)	173
CCT(K)	3220	SP ratio	1.46
Illuminance(lx)	8483	PPFD($\mu\text{mol}/\text{m}^2\text{s}$)	141.3
λ_p (nm)	615	CRI(Ra)	91
TLCI(Qa)	90.3	GAI	58.0
GAI BB8	92	GAI BB15	95
TM-30 Rf	91	TM-30 Rg	99

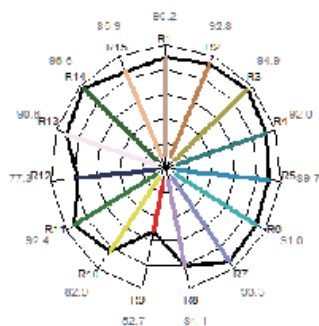
CQS-Qa		92	Re(thru R1~R15)		87
 R1	90.2	 R6	91.0	 R11	92.4
 R2	92.8	 R7	93.3	 R12	77.3
 R3	94.9	 R8	81.1	 R13	90.6
 R4	92.0	 R9	52.7	 R14	96.6
 R5	89.7	 R10	82.9	 R15	85.9

Flicker Frequency(Hz)
Flicker Index

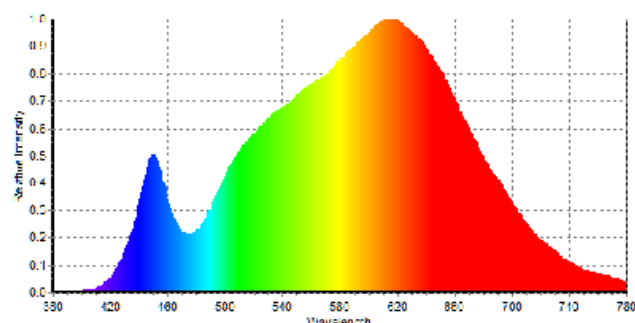
Flicker %



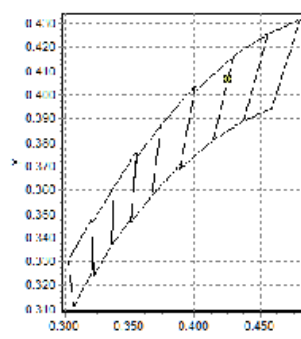
CIE1931 Chromaticity Diagram



Radial Diagram of CRI



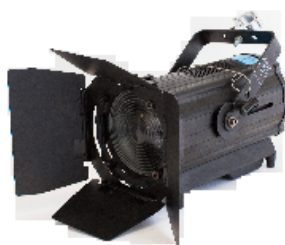
Spectral Distribution



C78.377-2008

Max Zoom

Report of Photometry & Chromaticity for Light Source

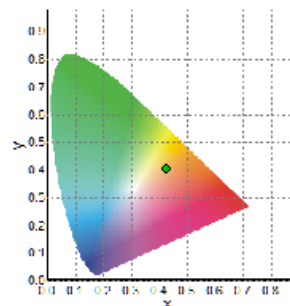


Product Description

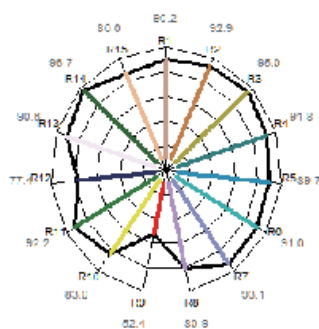
Product Name	LED Fresnel DMX Dimmer and Zoom max		
Sample Number			
Date(YYYY/MM/DD)	2020/5/6 11:53:03		
Manufacturer	HTH		
Tester	HTH		
Temperature(°C)	20	Re. Humidity(%)	
Reviewer			

Photometry and Chromaticity

CIE_x	0.4231	Duv	0.0024
CIE_y	0.4048	λ_d (nm)	580.9
CIE_u'	0.2414	Purity(%)	49
CIE_v'	0.5196	FWHM(nm)	173
CCT(K)	3251	SP ratio	1.47
Illuminance(lx)	24374	PPFD($\mu\text{mol}/\text{m}^2\text{s}$)	406.0
λ_p (nm)	613	CRI(Ra)	91
TLCI(Qa)	90.1	GAI	59.4
GAI BB8	93	GAI BB15	96
TM-30 Rf	90	TM-30 Rg	99



CIE1931 Chromaticity Diagram



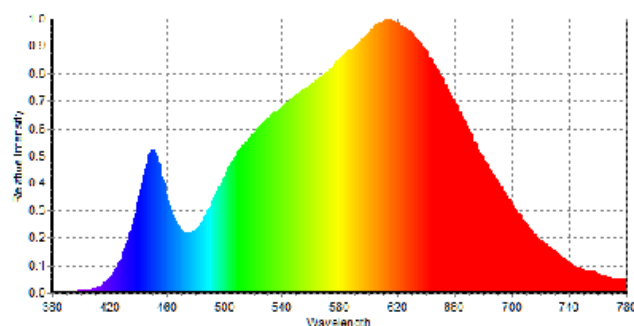
Radar Diagram of CRI

CQS-Qa		91	Re(thru R1~R15)	87	
 R1	90.2	 R6	91.0	 R11	92.2
 R2	92.9	 R7	93.1	 R12	77.4
 R3	95.0	 R8	80.9	 R13	90.6
 R4	91.8	 R9	52.4	 R14	96.7
 R5	89.7	 R10	83.0	 R15	86.0

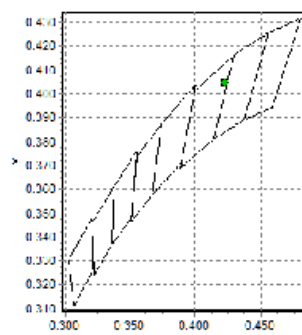
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



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