

Neon Flex (10m)



Neon Flex is bendable and highly durable linear LED solutions – suitable for both indoor and outdoor applications in a range of solid colours.



Physical

Size of Unit	8mm x 16mm x 10M
Item Weight	4kg
Quantity in Case	Loose item
Cased Weight	Loose item
Size of Unit Cased	Loose item

Electrical

Rated Power	80w
Input Power	24V 80watt 3.3amp transformer
Power Connection	Figure 8 wire/terminal

Optical

Light Source	LED
Light output 2m	
White	75
Red	0
Blue	5
Green	13
Pink	1
Yellow	25

Control

Control Method	Stand alone
DMX Mode	N/A
DMX Channel List	N/A
DMX Connection Types	N/A

Environmental

IP Rating	IP20
Cooling	N/A
Max Operating Temperature	1-45°

Compatibility

DMX	via DMX low voltage controller. 24v 80w 3.3amp transformer Stock lengths are 10m. Not to be cut.
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Accessories Included

Transformer

Colour / Size / Length

White 10m
Red 10m
Blue 10m
Green 10m
Pink 10m
Yellow 10m

Information Links

Manufacturer Link [Neon Flex](#)

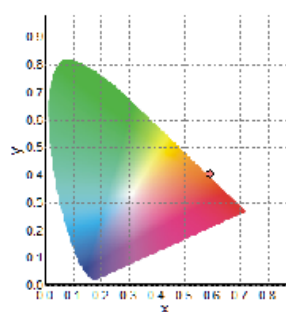
Photometry Link [Report](#)

Report of Photometry & Chromaticity for Light Source

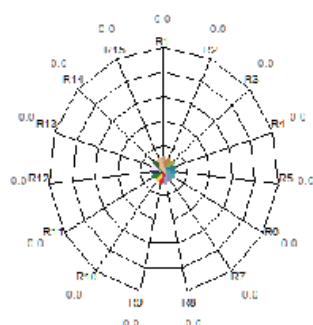


Product Description

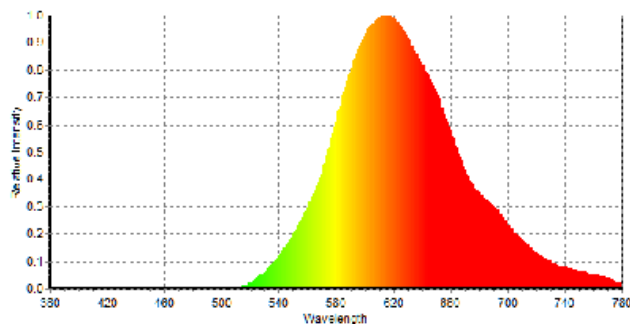
Product Name	Neon Flex 10m Yellow	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:53:58	
Manufacturer		
Tester		
Temperature(°C)	0	Re. Humidity(%)
Reviewer		



CIE1931 Chromaticity Diagram



Radar Diagram of CRI



Spectral Distribution

Photometry and Chromaticity

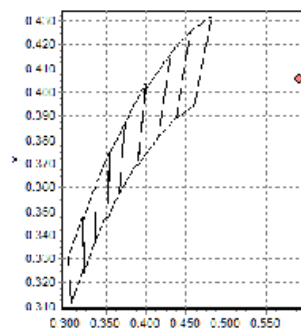
CIE_x	0.5916	Duv	0.0000
CIE_y	0.4054	λ_d (nm)	593.2
CIE_u'	0.3542	Purity(%)	99
CIE_v'	0.5461	FWHM(nm)	92
CCT(K)	0	SP ratio	0.38
Illuminance(lx)	25	PPFD($\mu\text{mol}/\text{m}^2 \text{ s}$)	0.5
λ_p (nm)	613	CRI(Ra)	0
TLCI(Qa)	0.0	GAI	0.0
GAI BB8	0	GAI BB15	0
TM-30 Rf	0	TM-30 Rg	0

CQS-Qa		0	Re(thru R1~R15)		73
 R1	0.0	 R6	0.0	 R11	0.0
 R2	0.0	 R7	0.0	 R12	0.0
 R3	0.0	 R8	0.0	 R13	0.0
 R4	0.0	 R9	0.0	 R14	0.0
 R5	0.0	 R10	0.0	 R15	0.0

Flicker Frequency(Hz)

Flicker %

Flicker Index



C78.377-2008

Report of Photometry & Chromaticity for Light Source

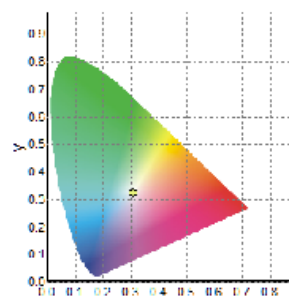


Product Description

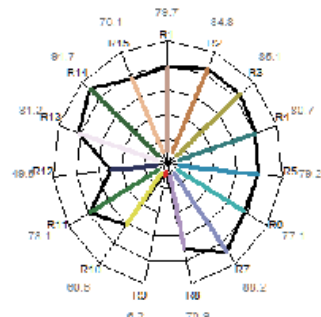
Product Name	Neon Flex 10m White	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:49:46	
Manufacturer	HTH	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

Photometry and Chromaticity

CIE_x	0.3079	Duv	0.0024
CIE_y	0.3227	λ_d (nm)	486.2
CIE_u'	0.1968	Purity(%)	9
CIE_v'	0.4642	FWHM(nm)	26
CCT(K)	6837	SP ratio	2.22
Illuminance(lx)	74	PPFD($\mu\text{mol}/\text{m}^2\text{s}$)	1.1
λ_p (nm)	453	CRI(Ra)	81
TLCl(Qa)	66.2	GAI	89.6
GAI BB8	91	GAI BB15	95
TM-30 Rf	77	TM-30 Rg	95



CIE1931 Chromaticity Diagram



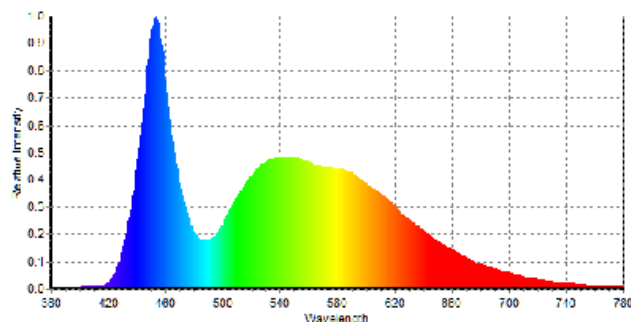
Radar Diagram of CRI

CQS-Qa		78	Re(thru R1~R15)		73
 R1	79.7	 R6	77.1	 R11	78.1
 R2	84.8	 R7	88.2	 R12	49.5
 R3	85.1	 R8	70.9	 R13	81.2
 R4	80.7	 R9	6.2	 R14	91.7
 R5	79.2	 R10	60.6	 R15	76.1

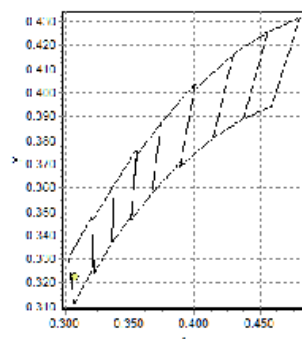
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

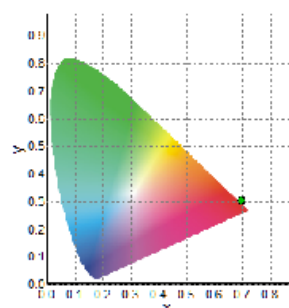


Product Description

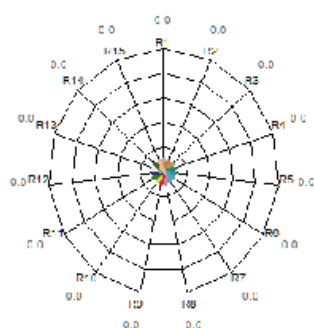
Product Name	Neon Flex 10m Red	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:47:16	
Manufacturer	HTH	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

Photometry and Chromaticity

CIE_x	0.6973	Duv	0.0000
CIE_y	0.3026	λ_d (nm)	623.1
CIE_u'	0.5327	Purity(%)	1E2
CIE_v'	0.5201	FWHM(nm)	20
CCT(K)	0	SP ratio	0.04
Illuminance(lx)	0	PPFD($\mu\text{mol}/\text{m}^2\text{s}$)	1.3
λ_p (nm)	627	CRI(Ra)	0
TLCI(Qa)	0.0	GAI	0.0
GAI BB8	0	GAI BB15	0
TM-30 Rf	0	TM-30 Rg	0



CIE1931 Chromaticity Diagram



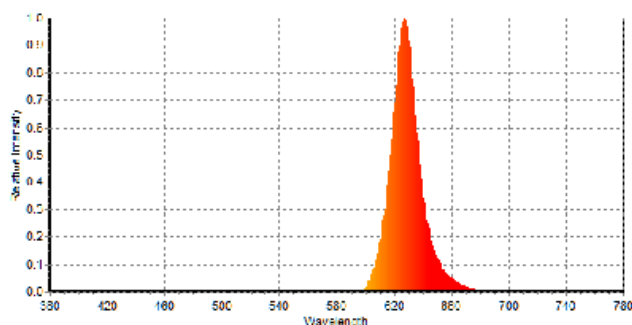
Radial Diagram of CRI

CQS-Qa	0	Re(thru R1~R15)	80
 R1	0.0	 R6	0.0
 R2	0.0	 R7	0.0
 R3	0.0	 R8	0.0
 R4	0.0	 R9	0.0
 R5	0.0	 R10	0.0
		 R11	0.0
		 R12	0.0
		 R13	0.0
		 R14	0.0
		 R15	0.0

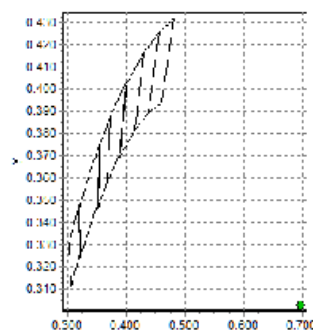
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



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Report of Photometry & Chromaticity for Light Source

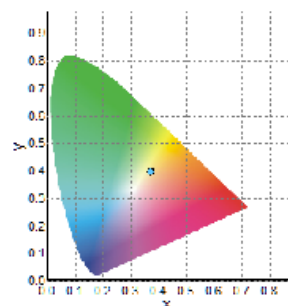


Product Description

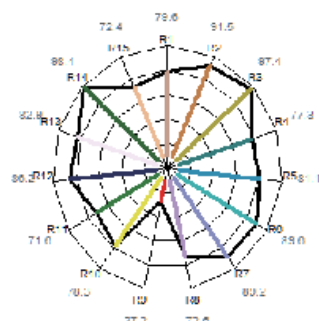
Product Name	Neon Flex 10m Pink	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:37:11	
Manufacturer	HTH	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

Photometry and Chromaticity

CIE_x	0.3724	Duv	0.0113
CIE_y	0.3962	λ_d (nm)	572.4
CIE_u'	0.2125	Purity(%)	31
CIE_v'	0.5087	FWHM(nm)	4
CCT(K)	4342	SP ratio	1.88
Illuminance(lx)	1	PPFD($\mu\text{mol}/\text{m}^2\text{s}$)	0.0
λ_p (nm)	381	CRI(Ra)	85
TLCl(Qa)	74.2	GAI	62.9
GAI BB8	75	GAI BB15	77
TM-30 Rf	86	TM-30 Rg	89



CIE1931 Chromaticity Diagram



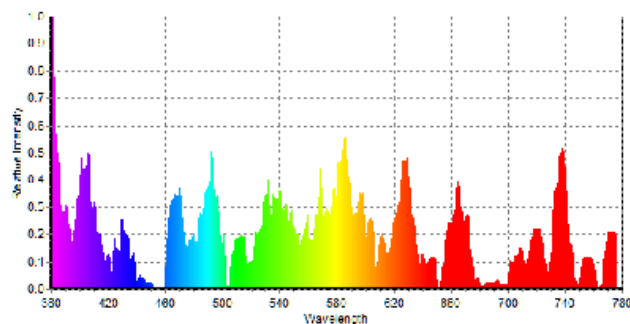
Radar Diagram of CRI

CQS-Qa		84	Re(thru R1~R15)		80
 R1	79.6	 R6	89.6	 R11	71.6
 R2	91.5	 R7	89.2	 R12	86.2
 R3	97.4	 R8	72.6	 R13	82.9
 R4	77.3	 R9	27.2	 R14	98.4
 R5	81.1	 R10	78.3	 R15	72.4

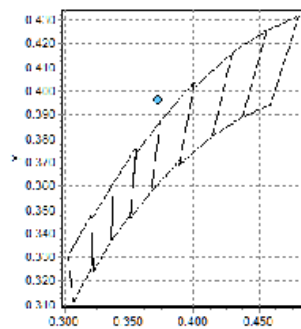
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

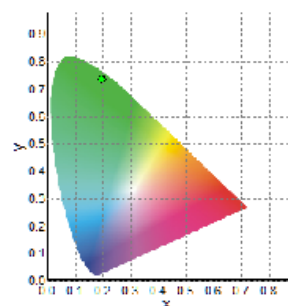


Product Description

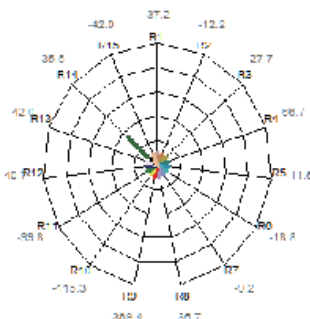
Product Name	Neon Flex 10m Green	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:43:18	
Manufacturer	HTH	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

Photometry and Chromaticity

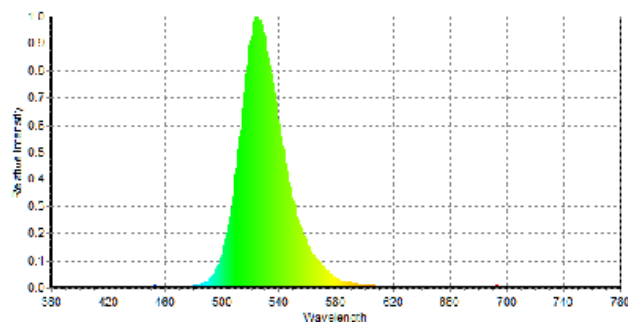
CIE_x	0.1954	Duv	0.1520
CIE_y	0.7369	λ_d (nm)	532.8
CIE_u'	0.0683	Purity(%)	88
CIE_v'	0.5791	FWHM(nm)	33
CCT(K)	7369	SP ratio	2.42
Illuminance(lx)	13	PPFD($\mu\text{mol}/\text{m}^2 \text{ s}$)	0.1
λ_p (nm)	525	CRI(Ra)	-28
TLCI(Qa)	2.3	GAI	0.3
GAI BB8	0	GAI BB15	0
TM-30 Rf	1	TM-30 Rg	7



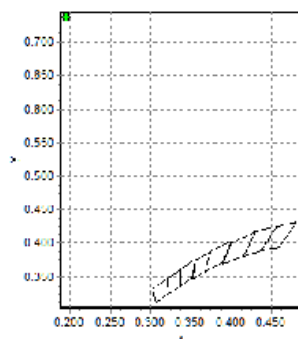
CIE1931 Chromaticity Diagram



Radar Diagram of CRI



Spectral Distribution



C78.377-2008

Report of Photometry & Chromaticity for Light Source

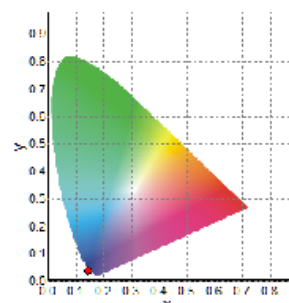


Product Description

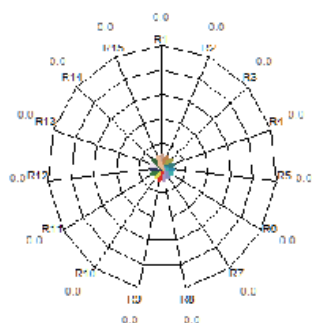
Product Name	Neon Flex 10m Blue	
Sample Number		
Date(YYYY/MM/DD)	2020/5/7 12:44:48	
Manufacturer	HTH	
Tester	HTH	
Temperature(°C)	20	Re. Humidity(%)
Reviewer		

Photometry and Chromaticity

CIE_x	0.1451	Duv	0.0000
CIE_y	0.0379	λ_d (nm)	461.5
CIE_u'	0.1834	Purity(%)	98
CIE_v'	0.1077	FWHM(nm)	23
CCT(K)	0	SP ratio	19.30
Illuminance(lx)	5	PPFD($\mu\text{mol}/\text{m}^2\text{s}$)	0.4
λ_p (nm)	455	CRI(Ra)	0
TLCl(Qa)	0.0	GAI	0.0
GAI BB8	0	GAI BB15	0
TM-30 Rf	0	TM-30 Rg	0



CIE1931 Chromaticity Diagram



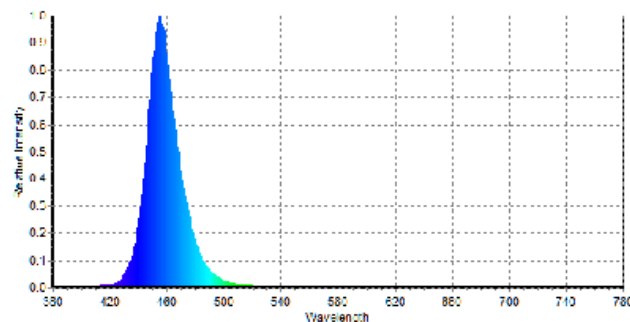
Radar Diagram of CRI

CQS-Qa		Re(thru R1~R15)			
 R1	0.0	 R6	0.0	 R11	0.0
 R2	0.0	 R7	0.0	 R12	0.0
 R3	0.0	 R8	0.0	 R13	0.0
 R4	0.0	 R9	0.0	 R14	0.0
 R5	0.0	 R10	0.0	 R15	0.0

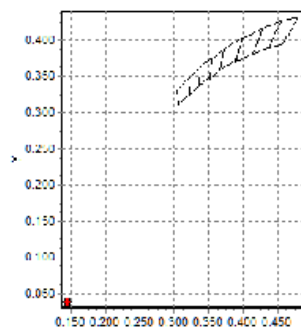
Flicker Frequency(Hz)

Flicker %

Flicker Index



Spectral Distribution



C78.377-2008