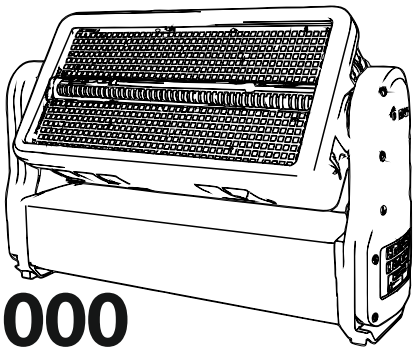
series

Art

by

FLASH

USER MANUAL



StrobeFX 1000
IP65 CRMX

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INTRODUCTION

We are glad that you have chosen **ART StrobeFX 1000 IP65 CRMX**, thereby expanding your lighting fixtures workshop. We hope that the choice of this device will meet your expectations and stimulate creativity in subsequent lighting projects.

FOR SAFETY REASONS AND TO ENSURE THE TROUBLE-FREE OPERATION, CAREFULLY READ THE INSTRUCTIONS.

SAFETY INFORMATION



WARNING! The Led Moving Head (LMH) has a powerful pan and tilt motor. The torque reaction when the head is panned suddenly can cause the base to move if the fixture is standing unsecured on a surface. Do not apply power to the LMH unless the baase is securely fastened to a surface or to rigging hardware.

WARNING! Use 2 clamps to rig the fixture. Do not hang the fixture from only one clamp. Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.



WARNING! When clamping the fixture to a truss or other structure at any other angle than with the yoke hanging vertically downwards, use two clamps of half-coupler type. Do not use any type of clamp that does not completely encircle the structure when fastened.

WARNING! Do not look directly at the light spot while the fixture is on.

IMPORTANT! Do not point strong light output from other fixtures at the lamp, as intense illumination can damaged the display.



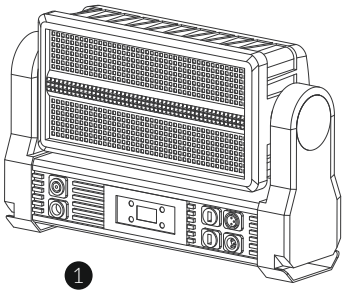
WARNING! Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture. It's important to ground the yellow/green conductor to earth in order to avoid electric shock. Do not touch any wire during operation and there might be a hazard of electric shock. To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture. Do not connect the device to any dimmer pack.



IMPORTANT! Unpack and check carefully there is no transportation damage before using the fixture. In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts. Disconnect main power before servicing and maintenance. The housing must be replaced if they are visibly damaged.

IMPORTANT! Maximum ambient temperature is: 40°C Don't operate it where the temperature is higher than this.

UNPACKING













The following item

are included inside the box:

1 - Art StrobeFX 1000 IP65 CRMX (1pc)

2 - DMX cable (1pc)

3 - PowerCON TRUE1 cable (1pc)

4 - Sa fety cable (1pc)

5 - Omega (2pcs)

6 - User manual (1pc)

Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.

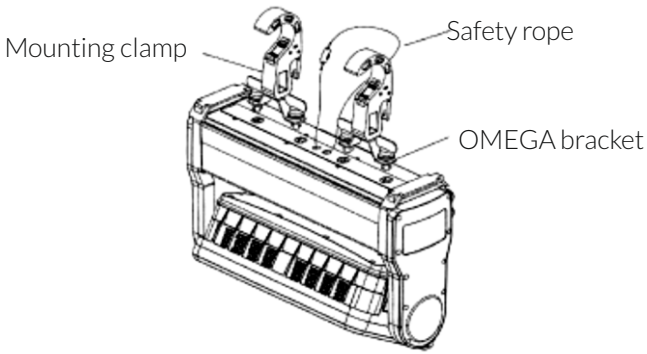
INSTALATION

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture. The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it. flown above the ground. Rig the fixture to a support truss or structure using the supplied brackets and suitable clamps.

Fasten a safety cable between the support structure and the attachment point on the fixture. The safety cable must be able to bear at least 10 times the weight of the fixture.

The fixture may be installed in any orientation, but if installed horizontally with a downward beam-angle, water can potentially pool in the fan wells. Under normal operation the moisture will evaporate. However, in locations with high rainfall, you may wish to fabricate a rain shield above the fixture, or modify the position and orientation of the fixture to minimize pooling.

Two quarter-turn brackets are supplied with the fixtre if it is to be



IMPORTANT: If any slack is detected between the hook and the device, immediately tighten the mounting screws or skip the device during installation.

CONNECTION

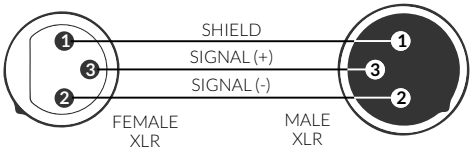
The device is equipped with the follo - wing interfaces:

1. DMX (in/out): XLR 3-pin socket

2. EHTERNET (in/out): RJ-45 socket

3. Power (in/out): powerCON TRUE1 socket

The connection is performed using cable with XLR-female -> XLR-Male plugs OR Ethernet (RJ-45) cable.



3-PIN XLR

CAUTION! At the last fixture, the DMX signal has to be terminated with a termi - nator. Solder a 120Ω resistor between signal (-) and signal (+) into a XLR plug and plug it in the DMX output of the last fixture.

Diagram of connection of devices by DMX cable

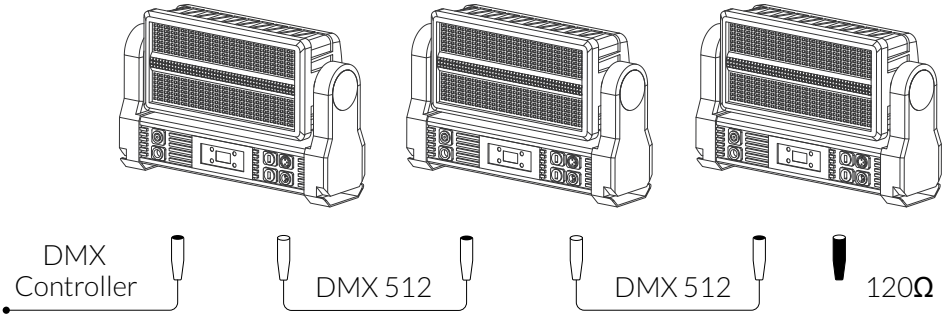
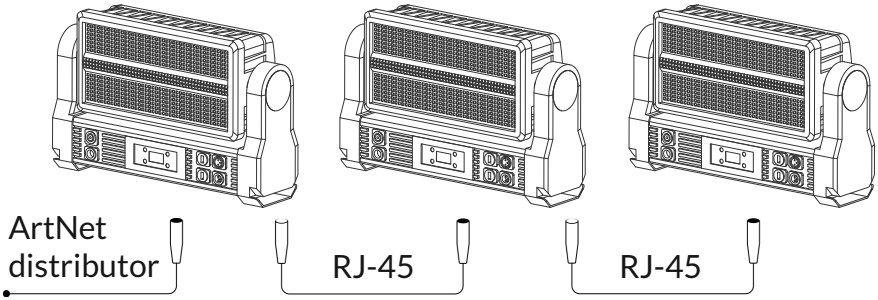


Diagram of connection of devices by RJ-45 (ethernet) cable



The connection is performed using power cable with powerCON TRUE1 connector (included). The device must be operated by qualified personnel.

CAUTION! In the case of cable damage do not attempt to repair. Replacement or repair can be made only on the manufacturer or by a person with appropriate permissions.

Using lamp, the change rate of power voltage should be within ±10%, if the voltage is too high, it will shorten the light's life; if it's not enough, the lamp will be dark.
Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

IMPORTANT! The maximum number of devices connected in series via power cable is 3 pcs.

Voltage Specyfication

Input Voltage AC	Amperage	Frequency	Total Power
230 [V]	4.35 [A]	50 [Hz]	1000 [W]
110 [V]	9.1 [A]	60 [Hz]	

Set DMX Address

□ To enter the MENU enter the password (if password is turned on). The password is UP, DOWN, UP, DOWN.
□ Find DMX on menu, and press ENTER to enter into.
□ Set needed DMX Address using the UP and DOWN buttons.
□ Press ENTER to save.
□ Press the MENU to exit.

Set ArtNet config

□ Find NET on menu, and press ENTER to enter into.
□ Go to IP ADRESS to set needed IP address (generally ArtNet works on IP range 2.x.x.x, or 10.x.x.x) on your network.
□ Go to Subnet mask to choose needed Subnet mask.
□ Go to SET UNIVERSES to give Control (master dimmer and shutter), and LED (pixels). Do not forget that artnet is counted from universe 0.
□ Control has main addres of the lamp. The address for pixel mapping always starts with 1. Control of Beams is on universe X, AURA on universe X+1.
□ Enjoy your lamp with pixel mapping!

W-DMX / CRMX linking

□ Enter the MENU
□ Change Running mode/Control to Wireles
□ Set Settings/W-DMX unling YES to unlink present connection
□ Press linking on your Transmiter
□ If needed send signal thru DMX set Settings/W-DMX to DMX YES

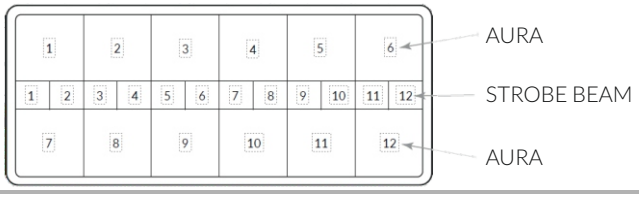
5-net mode works only with **art-net protocol**, and only with connection thru RJ-45 cable. You have to set IP adress, subnet mask, universes to recive signal.

Control - there is tilt, master beam dimmer, master aura dimmer, reset LED - pixel mapping beam and aura.

Attention artnet counts universes from 0.

To patch it correctly, you need to occupy 3 universes. One for main control, where the address set inthe device applies. The other two are universe led x and x+1. The address for pixel mapping alwaysstarts with 1.

Ex. You set main control on universe 4, address 201, led on universe 10, so ... you have to patch console control at universe 5.201, beam at universe 10.1, and aura at universe 11.1.



DMX CHART

14 ch					
Ch	Function	Value	Description	Default	Highlight / locate
1	Tilt	0-255	-92° - 92°	127	-
2	Tilt 16bit	0-255	Coarse tilt + 0- 1.2°	127	-
3	Dimmer W	0-255	Intensity 0-100%	0	255
4	Strobe duration W	0-255	Flash duration 7-650 ms	0	0
5	Strobe rate W	0-255	Flash rate 0.289- 16.67 Hz	0	0
6	Strobe effect W	0-5 6-42 43-85 86-128 129-171 172-214 215-255	No strobe Strobe type 1 Strobe type 2 Strobe type 3 Strobe type 4 Strobe type 5 Strobe type 6	0	0
7	Control	0-250 251-255	No function RESET	0	-
8	Dimmer RGB	0-255	Intensity 0-100%	0	255
9	Strobe duration RGB	0-255	Flash duration 7-650 ms	0	0
10	Strobe rate RGB	0-255	Flash rate 0.289- 16.67 Hz	0	0
11	Strobe effect RGB	0-5 6-42	No strobe Strobe type 1	0	0

		43-85 86-128 129-171 172-214 215-255	Strobe type 2 Strobe type 3 Strobe type 4 Strobe type 5 Strobe type 6		
12	Red	0-255	RED intensity	255	255
13	Green	0-255	GREEN intensity	255	255
14	Blue	0-255	BLUE intensity	255	255

23 ch

Ch	Function	Value	Description	Default	Highlight / locate
1	Tilt	0-255	-92° - 92°	127	-
2	Tilt 16bit	0-255	Coarse tilt + 0- 1.2°	127	-
3	Dimmer W	0-255	Intensity 0-100%	0	255
4	Strobe duration W	0-255	Flash duration 7-650 ms	0	0
5	Strobe rate W	0-255	Flash rate 0.289- 16.67 Hz	0	0
6	Strobe effect W	0-5 6-42 43-85 86-128 129-171 172-214 215-255	No strobe Strobe type 1 Strobe type 2 Strobe type 3 Strobe type 4 Strobe type 5 Strobe type 6	0	0
7	Control	0-250 251-255	No function RESET	0	-
8	Dimmer RGB	0-255	Intensity 0-100%	0	255
9	Strobe duration RGB	0-255	Flash duration 7-650 ms	0	0
10	Strobe rate RGB	0-255	Flash rate 0.289- 16.67 Hz	0	0
11	Strobe effect RGB	0-5 6-42 43-85 86-128 129-171	No strobe Strobe type 1 Strobe type 2 Strobe type 3 Strobe type 4	0	0

		172-214 215-255	Strobe type 5 Strobe type 6		
12	Red	0-255	RED intensity	255	255
13	Green	0-255	GREEN intensity	255	255
14	Blue	0-255	BLUE intensity	255	255
15	Fx cross	0-255	CROSSFADE fast-slow	0	-
16	Shape pos RGB	0-255	Slow-fast	0	-
17	Shape RGB	0 1-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 161-170 171-180 181-190 191-200 201-210 211-220 221-230 231-240 241-250 251-255	No shape Background color RGB fade RGB chase Shape 1 Shape 2 Shape 3 Shape 4 Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20	0	0
18	Shape pos W	0-255	Slow-fast	0	-

19	Shape W	0-5 6-30 31-50 51-70 71-90 91-110 111-130 131-150 151-170 171-190 191-210 211-230 231-255	No shape Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12	0	0
20	Background Dimmer	0-255	Intensity 0-100%	0	-
21	Background Red	0-255	BACKGROUND RED intensity	0	-
22	Background Green	0-255	BACKGROUND GREEN intensity	0	-
23	Background Blue	0-255	BACKGROUND BLUE intensity	0	-

68 ch					
Ch	Function	Value	Description	Default	Highlight / locate
1	Tilt	0-255	-92° - 92°	127	-
2	Tilt 16bit	0-255	Coarse tilt + 0- 1.2°	127	-
3	Dimmer W	0-255	Intensity 0-100%	0	255
4	Strobe duration W	0-255	Flash duration 7-650 ms	0	0
5	Strobe rate W	0-255	Flash rate 0.289- 16.67 Hz	0	0
6	Strobe effect W	0-5 6-42 43-85 86-128 129-171 172-214 215-255	No strobe Strobe type 1 Strobe type 2 Strobe type 3 Strobe type 4 Strobe type 5 Strobe type 6	0	0
7	Control	0-250 251-255	No function RESET	0	-
8	Dimmer RGB	0-255	Intensity 0-100%	0	255
9	Strobe duration RGB	0-255	Flash duration 7-650 ms	0	0
10	Strobe rate RGB	0-255	Flash rate 0.289- 16.67 Hz	0	0
11	Strobe effect RGB	0-5 6-42 43-85 86-128 129-171 172-214	No strobe Strobe type 1 Strobe type 2 Strobe type 3 Strobe type 4 Strobe type 5	0	0

		215-255	Strobe type 6		
12	Red	0-255	RED intensity	255	255
13	Green	0-255	GREEN intensity	255	255
14	Blue	0-255	BLUE intensity	255	255
15	Fx cross	0-255	CROSSFADE fast-slow	0	-
16	Shape pos RGB	0-255	Slow-fast	0	-
17	Shape RGB	0 1-5 6-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100 101-110 111-120 121-130 131-140 141-150 151-160 161-170 171-180 181-190 191-200 201-210 211-220 221-230 231-240 241-250 251-255	No shape Background color RGB fade RGB chase Shape 1 Shape 2 Shape 3 Shape 4 Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20	0	0
18	Shape pos W	0-255	Slow-fast	0	-
19	Shape W	0-5	No shape	0	0

		6-30 31-50 51-70 71-90 91-110 111-130 131-150 151-170 171-190 191-210 211-230 231-255	Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12		
20	Background Dimmer	0-255	Intensity 0-100%	0	-
21	Red 1	0-255		255	255
22	Green 1	0-255		255	255
23	Blue 1	0-255		255	255
24	Red 2	0-255		255	255
25	Green 2	0-255		255	255
26	Blue 2	0-255		255	255
27	Red 3	0-255		255	255
28	Green 3	0-255		255	255
29	Blue 3	0-255		255	255
30	Red 4	0-255		255	255
31	Green 4	0-255		255	255
32	Blue 4	0-255		255	255
33	Red 5	0-255		255	255
34	Green 5	0-255		255	255

35	Blue 5	0-255		255	255
36	Red 6	0-255		255	255
37	Green 6	0-255		255	255
38	Blue 6	0-255		255	255
39	Red 7	0-255		255	255
40	Green 7	0-255		255	255
41	Blue 7	0-255		255	255
42	Red 8	0-255		255	255
43	Green 8	0-255		255	255
44	Blue 8	0-255		255	255
45	Red 9	0-255		255	255
46	Green 9	0-255		255	255
47	Blue 9	0-255		255	255
48	Red 10	0-255		255	255
49	Green 11	0-255		255	255
50	Blue 12	0-255		255	255
51	Red 13	0-255		255	255
52	Green 13	0-255		255	255
53	Blue 13	0-255		255	255
54	Red 14	0-255		255	255
55	Green 14	0-255		255	255
56	Blue 14	0-255		255	255
57	W 1	0-255		255	255

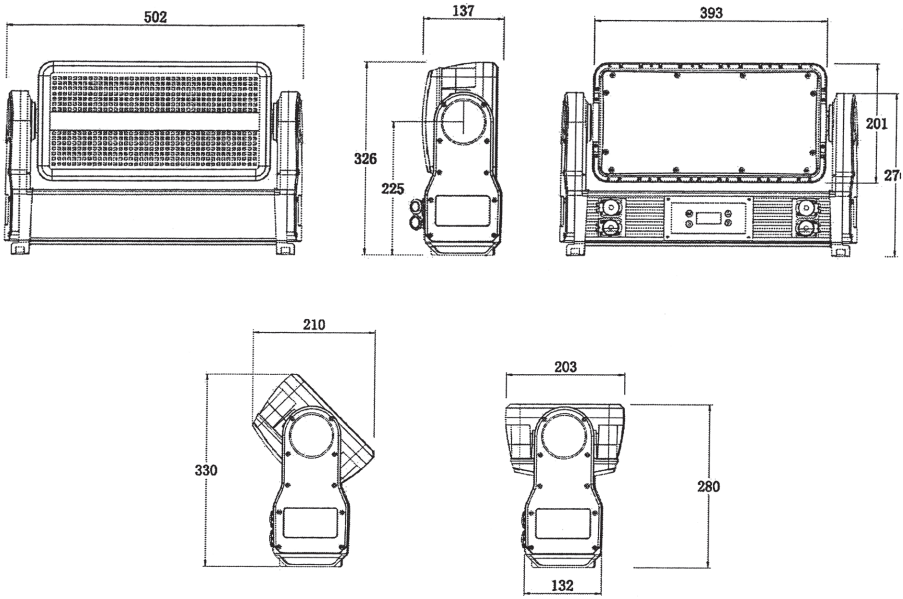
58	W 2	0-255		255	255
59	W 3	0-255		255	255
60	W 4	0-255		255	255
61	W 5	0-255		255	255
62	W 6	0-255		255	255
63	W 7	0-255		255	255
64	W 8	0-255		255	255
65	W 9	0-255		255	255
66	W 10	0-255		255	255
67	W 11	0-255		255	255
68	W 12	0-255		255	255

MENU OVERVIEW

- Menu
  - Address
    - Net IP
      - IP (0-255)
      - IP (0-255)
      - IP (0-255)
      - IP (0-255)
    - Sub mask
      - 255.0.0.0
      - 255.255.0.0
      - 255.255.255.0
    - Set Universe
      - Strobe Universe 0-32766
      - Aura Universe 0-32766
    - DMX channel mode
      - 23 ch (DMX or ARTNET)
      - 14 ch (DMX or ARTNET)
      - 68 ch (DMX or ARTNET)
      - 5-net (ARTNET only)
    - Offline status
      - Hold
      - Manual
      - Auto
      - Off
      - On
    - Manual color
      - DIMMER 0-255
      - STROBE 0-255
      - Macro 1 0-255
      - Macro 1S 0-255
      - Macro 2 0-255
      - Macro 2S 0-255
      - Macro COLOR 0-255
      - Char 1 0-255
      - Char 2 0-255
      - Char 3 0-255
      - Char 4
      - Char 5
      - Char color
      - Backcolor Red
      - Backcolor Green
      - Backcolor Blue
      - White 1
      - White 2
      - White 3
      - White 4
      - White 5
      - White 6
      - White 7
      - White 8
    - Auto Program
      - Show RGB
      - Speed RGB
      - Show W
      - Speed W
      - Char Color
      - Char 1
      - Char 2
      - Char 3
      - Char 4
      - Char 5
    - Display
      - Ch / En
        - Chinese
        - English
      - Direct display
        - Normal
        - Reverse
      - Backlight
        - On
        - 30s
    - Parametr
      - No
      - Yes
    - Default
      - No
      - Yes
    - Info
      - RDM UID
      - Channel
      - Ver
      - Time
      - Temperature

DRAWINGS

Dimensions in [mm]

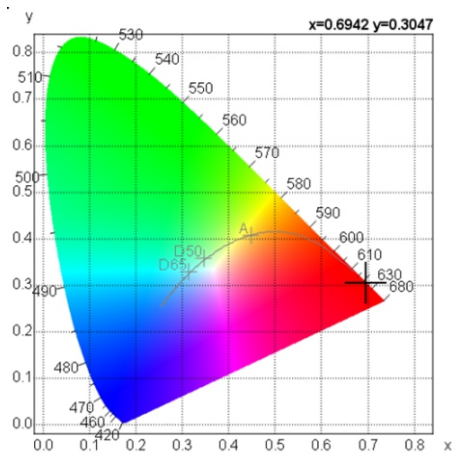


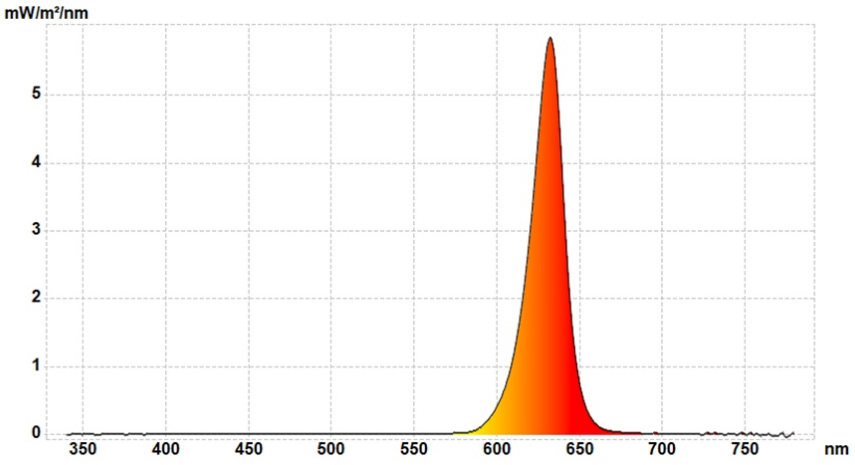
PHOTOMETRICS

SPECTRAL DISTRIBUTION AT 5M

RED

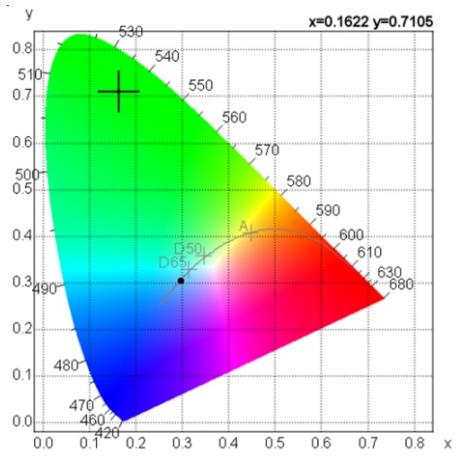
CIE x	0,6942
CIE y	0,3047
CIE Y	28,76 lx
CCT	- K
Chromaticity Error	0,298
Duv	nan
Color Peak	633,18 nm
Color Peak Value	5,86 mW/m2/nm
Color Dominant	621,9 nm
Luminous Intensity	2,87 cd (A)

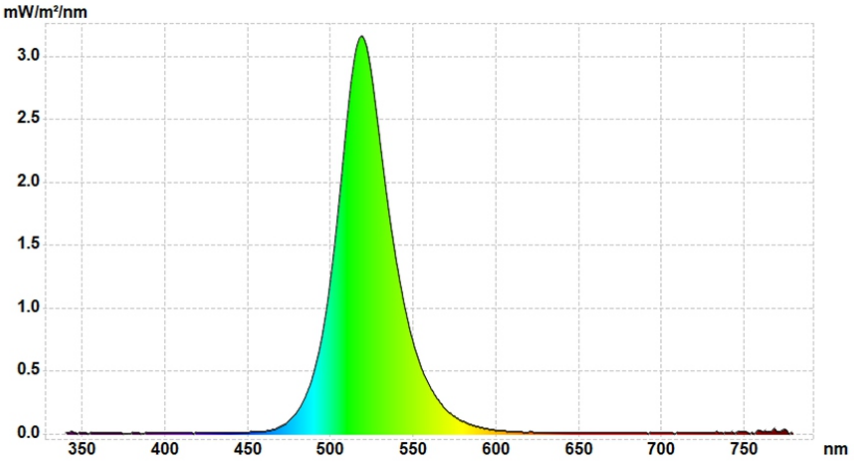




GREEN

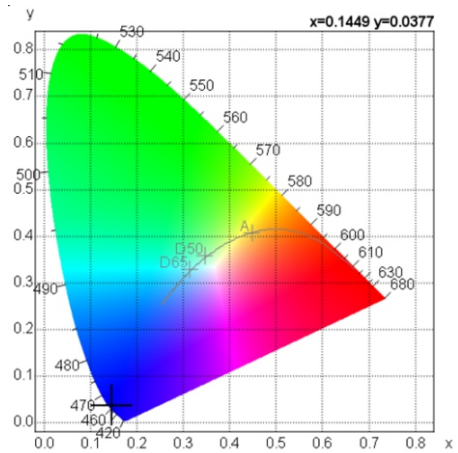
CIE x	0,1622
CIE y	0,7105
CIE Y	60,18 lx
CCT	8033 K
Chromaticity Error	0,167
Duv	0,1579
Color Peak	519,45 nm
Color Peak Value	3,17 mW/m2/nm
Color Dominant	524,3 nm
Luminous Intensity	6,01 cd (A)

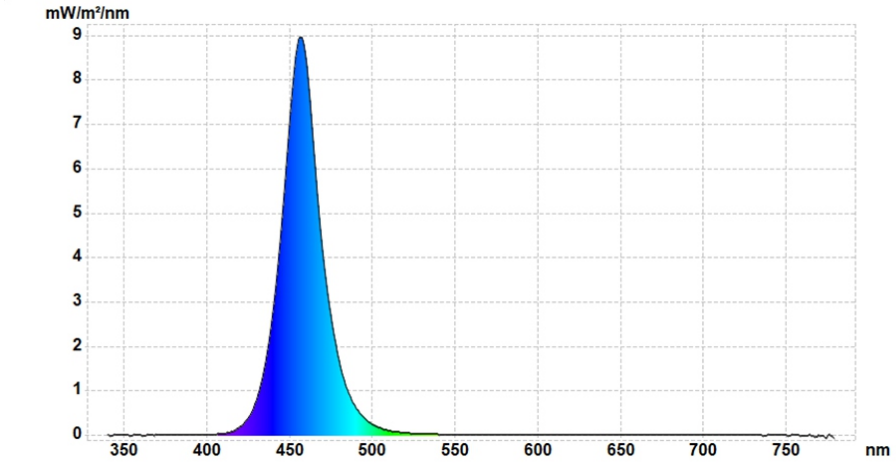




BLUE

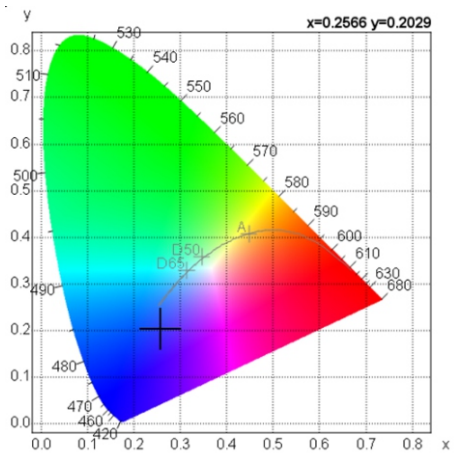
CIE x	0,1449
CIE y	0,0377
CIE Y	12,43 lx
CCT	- K
Chromaticity Error	0,320
Duv	0,2025
Color Peak	456,22 nm
Color Peak Value	8,97 mW/m2/nm
Color Dominant	461,6 nm
Luminous Intensity	1,24 cd (A)

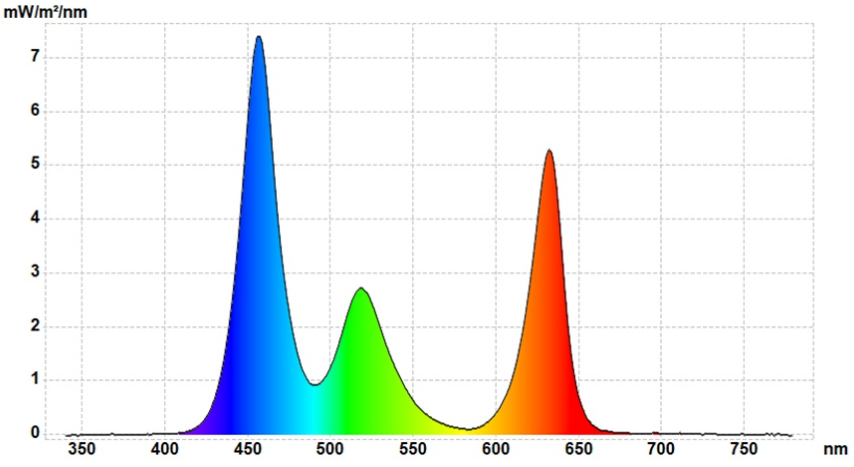


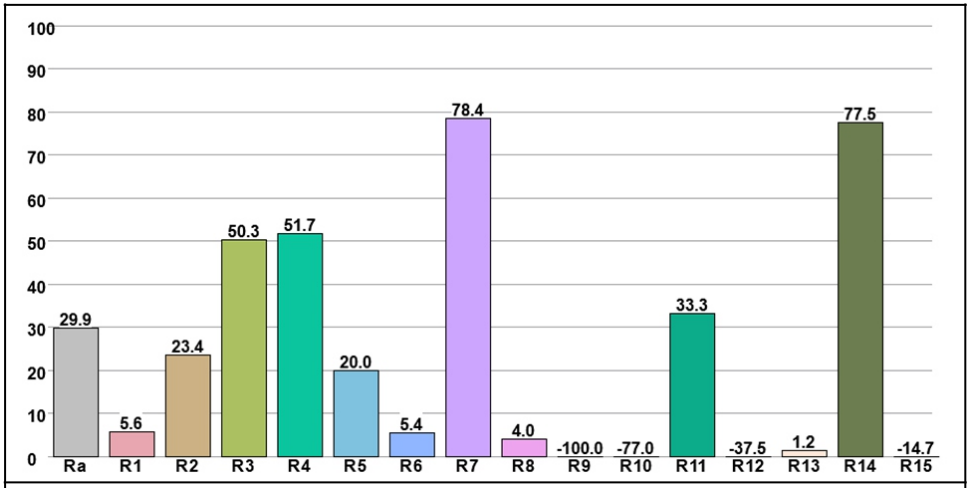


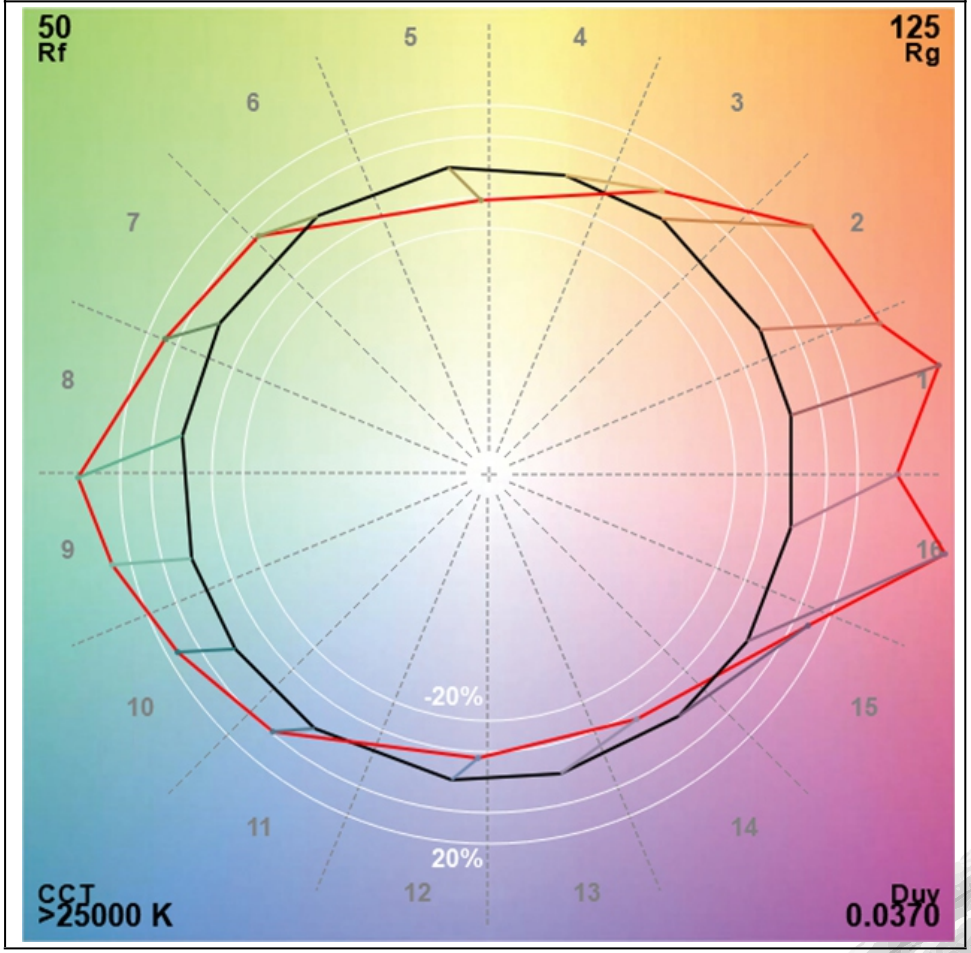
RGB

CIE x	0,2566
CIE y	0,2029
CIE Y	86,79 lx
CCT	- K
Chromaticity Error	0,104
Duv	0,0370
Color Peak	456,22 nm
Color Peak Value	7,40 mW/m2/nm
Color Dominant	455,1 nm
Luminous Intensity	8,67 cd (A)



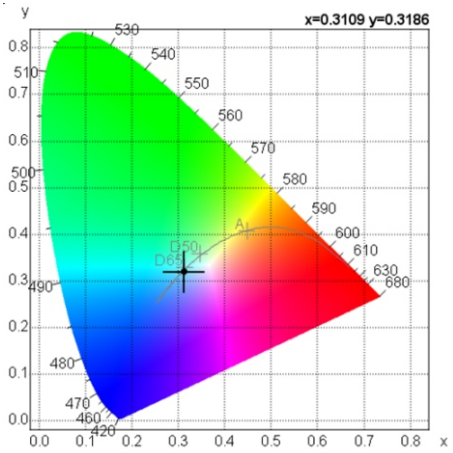


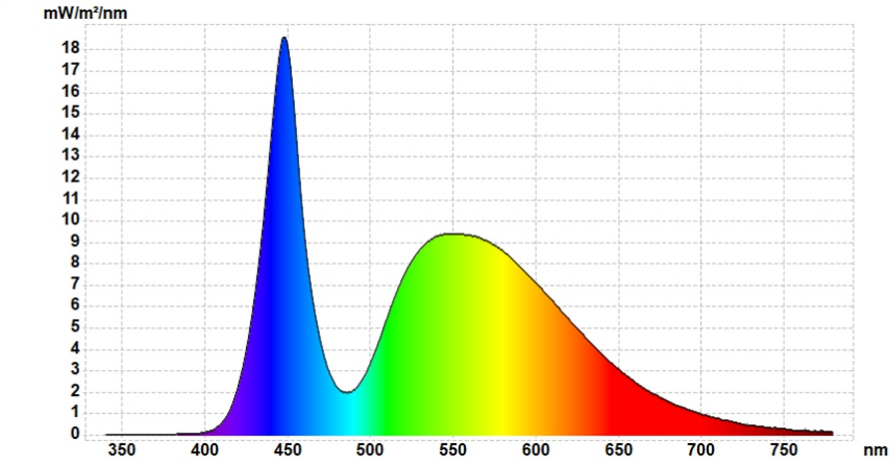

100
90
80
70
60
50
40
30
20
10
0
29.9
5.6
23.4
50.3
51.7
20.0
5.4
78.4
4.0
-100.0
-77.0
33.3
-37.5
1.2
77.5
-14.7
Ra
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15

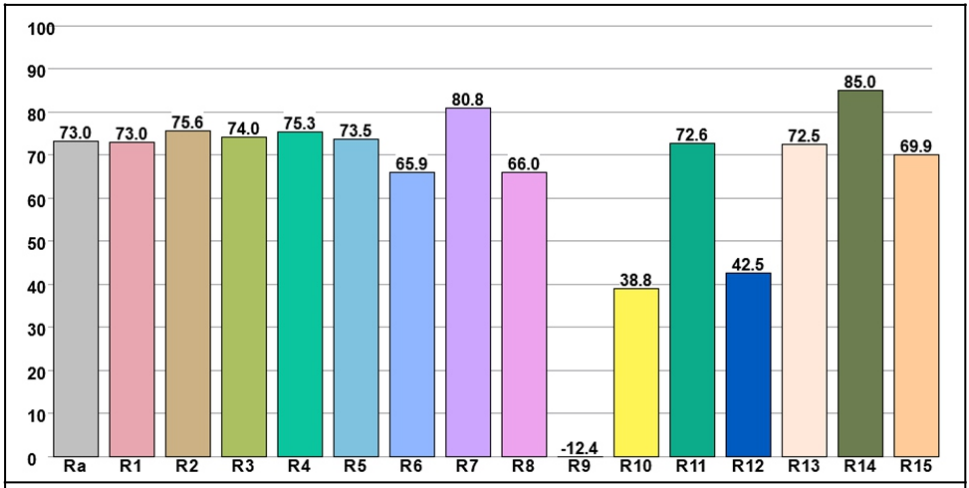

50
Rf
125
Rg
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-20%
20%
CCT
>25000 K
Duv
0.0370

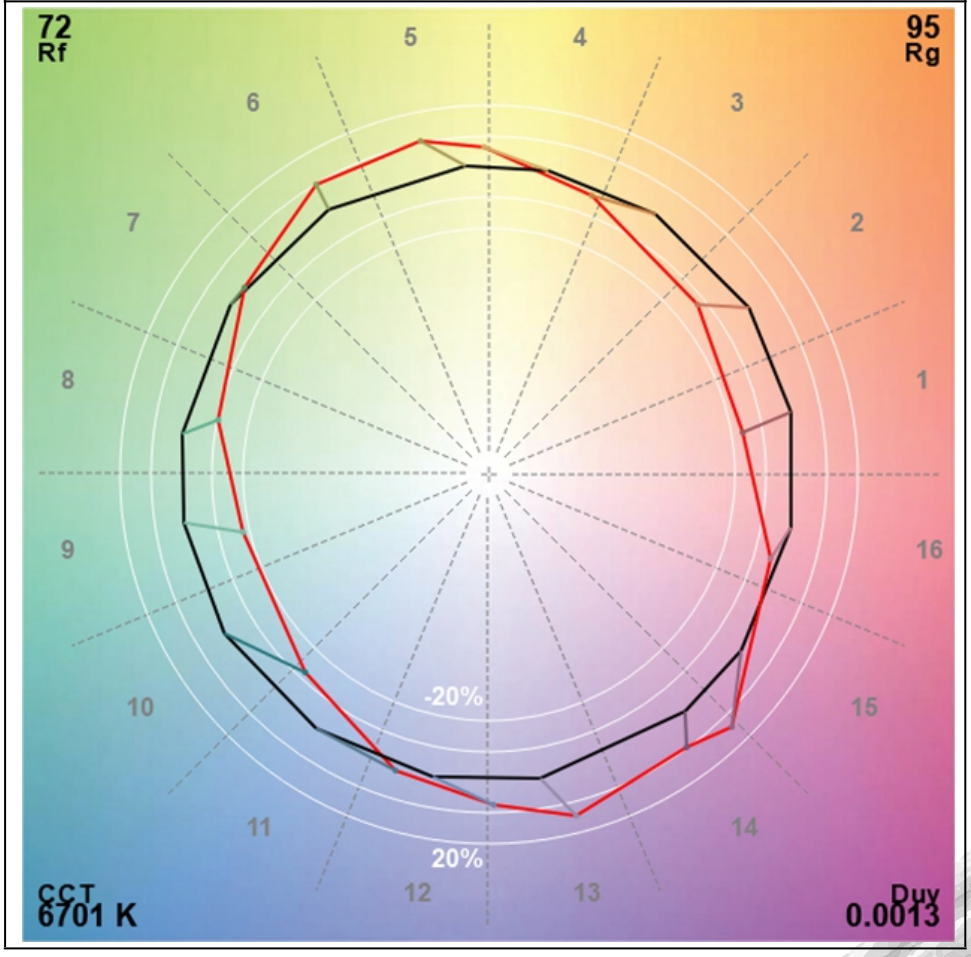
WHITE

CIE x	0,3109
CIE y	0,3186
CIE Y	552,80 lx
CCT	6701 K
Chromaticity Error	0,012
Duv	0,0013
Color Peak	449,49 nm
Color Peak Value	18,58 mW/m2/nm
Color Dominant	482,7 nm
Luminous Intensity	55,20 cd (A)



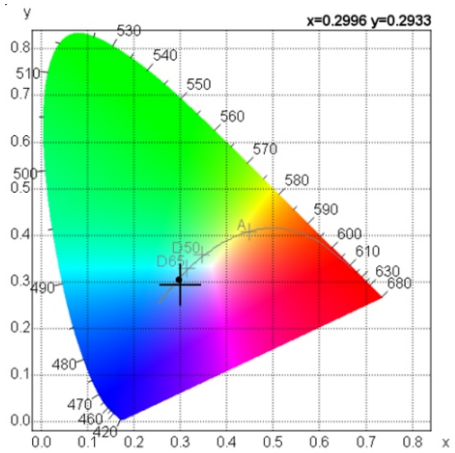


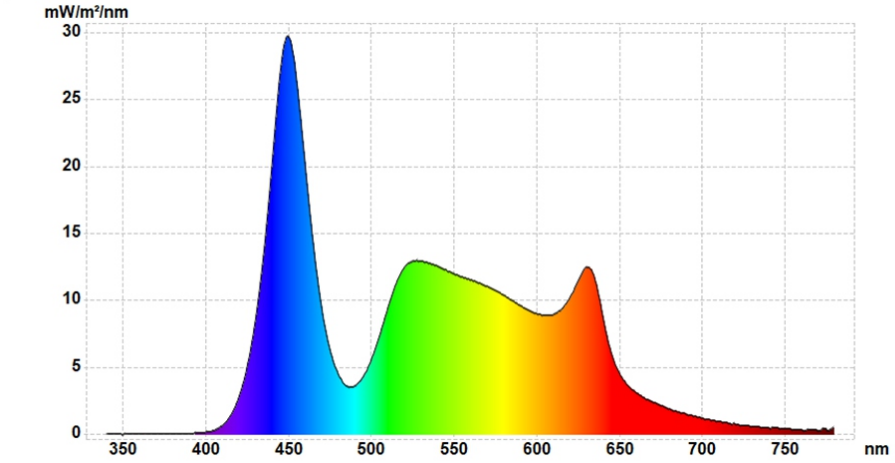

100
90
80
70
60
50
40
30
20
10
0
73.0
73.0
75.6
74.0
75.3
73.5
65.9
80.8
66.0
-12.4
38.8
72.6
42.5
72.5
85.0
69.9
Ra
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15

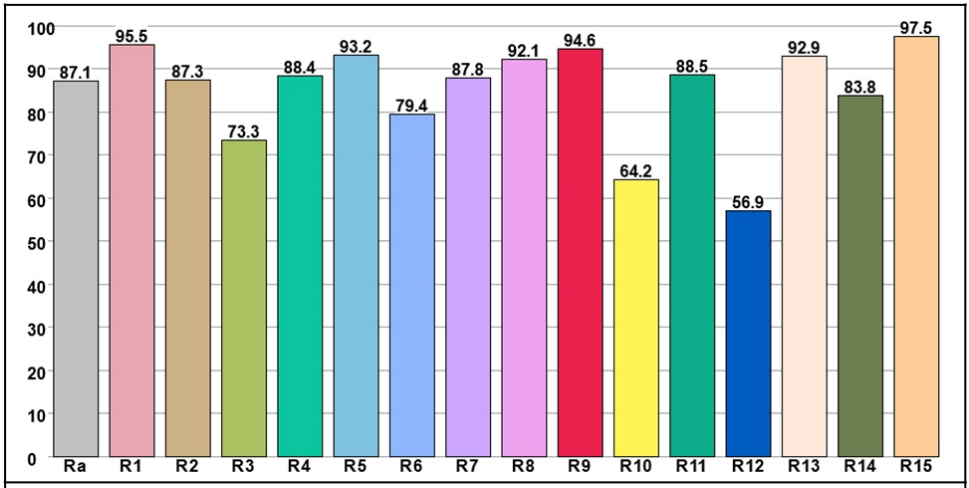

72
Rf
95
Rg
5
4
6
3
7
2
8
1
9
16
10
15
11
14
12
13
-20%
20%
CCT
6701 K
Duv
0.0013

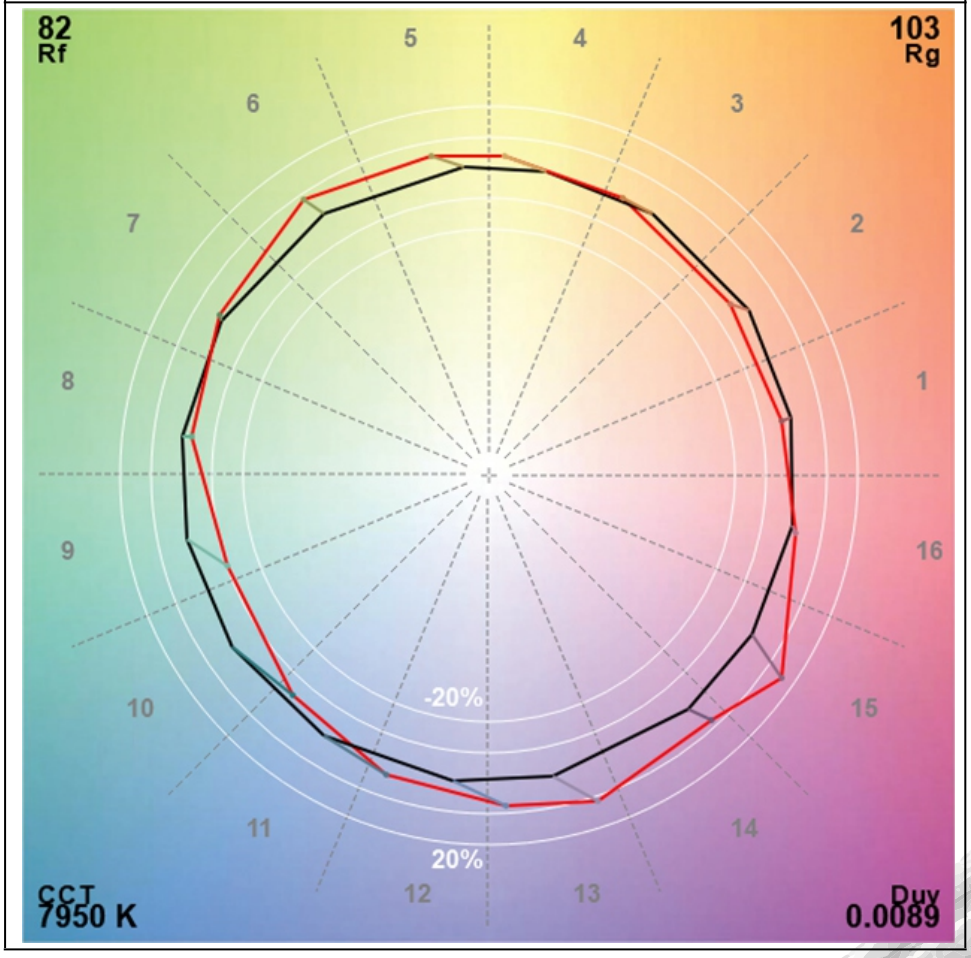
RGB + W

CIE x	0,2996
CIE y	0,2933
CIE Y	773,77 lx
CCT	7950 K
Chromaticity Error	0,017
Duv	0,0089
Color Peak	449,49 nm
Color Peak Value	29,81 mW/m2/nm
Color Dominant	473,1 nm
Luminous Intensity	77,27 cd (A)



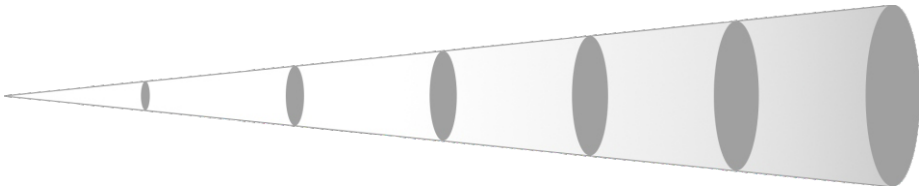



100
90
80
70
60
50
40
30
20
10
0
87.1
95.5
87.3
73.3
88.4
93.2
79.4
87.8
92.1
94.6
64.2
88.5
56.9
92.9
83.8
97.5
Ra
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15


82
Rf
103
Rg
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
-20%
20%
CCT
7950 K
Duv
0.0089

ILLUMINANCE [lx]

Beam angle horizontal 72°
Beam angle verticall 45°
Field angle horizontal 100°
Field angle vertical 65°

Distance [m]	2,5	5	7,5	10	12,5	15
						
R	195	28	14	8	7	6
G	325	60	27	16	15	11
B	67	12	6	4	3	2
RGB	597	87	43	22	20	18
W	3213	553	244	144	122	95
RGB+W	3741	774	338	199	175	128

SPECIFICATION

- Light Source:
- 12 RGB sections (588 pcs RGB LED diode 5050),
- 12 WHITE BEAM sections (144 pcs. WHITE LED diode 3535 6000K)
- Power consumption: 1000W
- Power supply voltage: 110-240V, 50/60Hz AC
- TILT range: 185°
- RGB SECTION pixel and shapes control
- WHITE BEAM pixel and shapes control
- Operating modes: DMX 512, RDM, Art-Net, Auto-running, Master/Salve, W-DMX, CRMX
- DMX channel mode: 14/23/68/5-net
- IP Rating: IP65
- Housing made: ABS
- Cooling: Passive
- AC IN/OUT: PowerCon TRUE1
- 3-Pin XLR DMX Input/Output
- Ethercon Input/Output
- Net Weight: 11,2 kg
- Dimensions: H(32.6)xW(13.7)xD(50.2) cm



FLASH

FLASH-BUTRYM SP.J.
SKARBIMIERZYCE 18
72-002 DOŁUJE
POLAND

WWW.FLASH-BUTRYM.PL