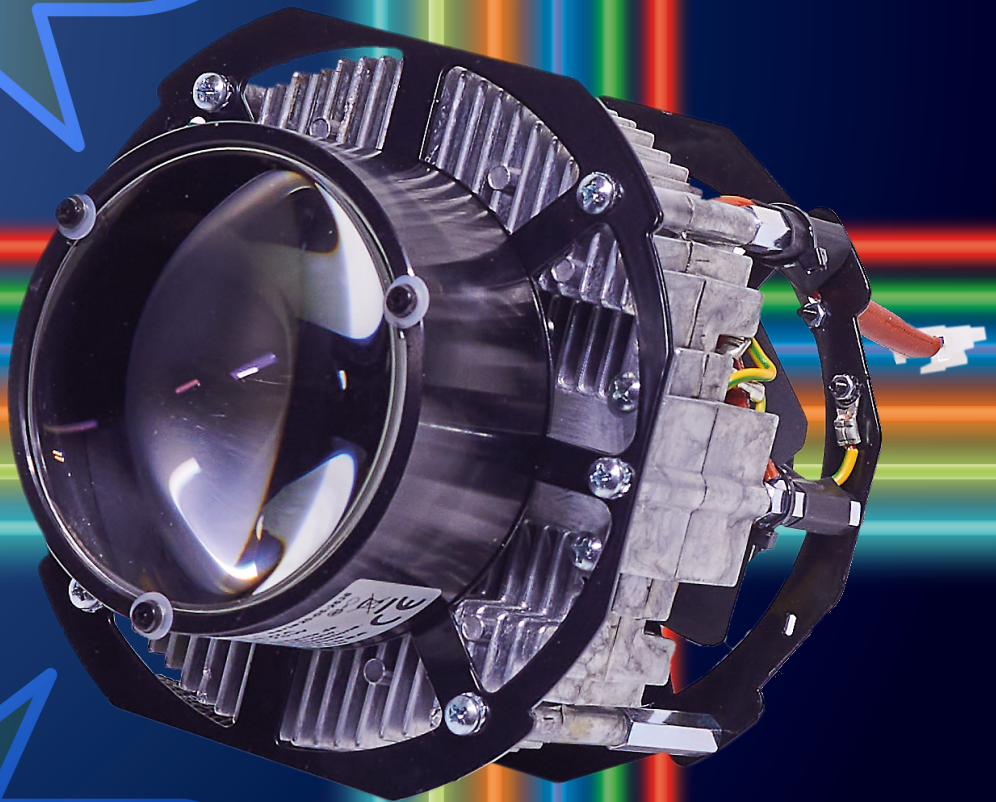


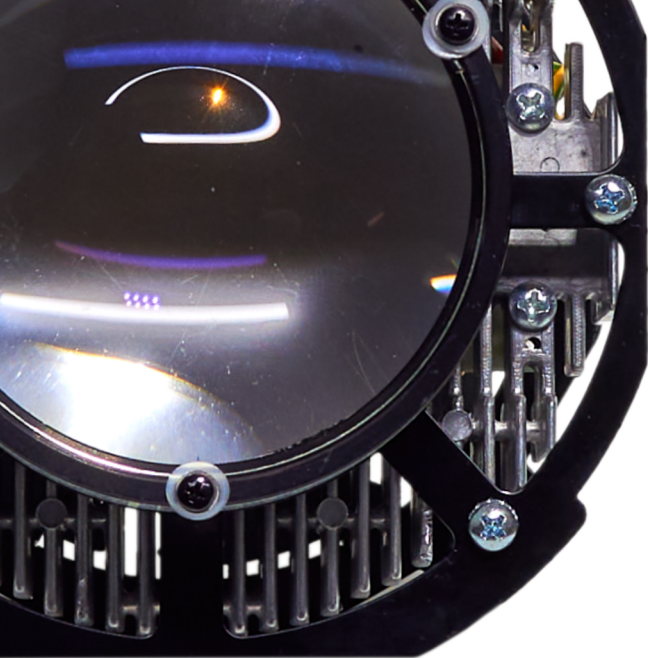
10K

feebEE

**The Ultimate
SOURCE FOUR
RGBALC
LED ENGINE**



**Give a new lease of life
to your TH Source Four:
Convert it to an LED Version!**



Give a new lease of life to your Tungsten Source Four..

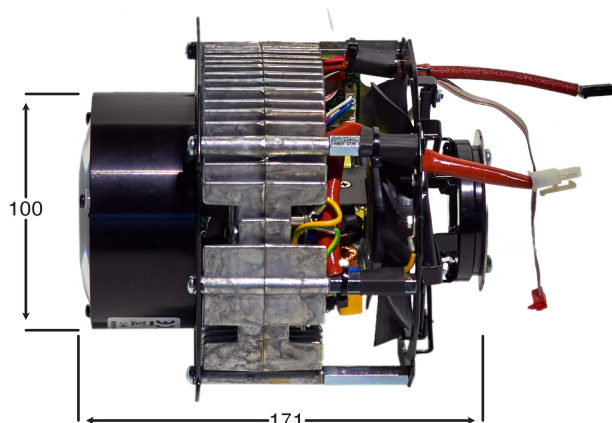
Convert it to an LED Version

Other Versions Available -

- **10-30-97 - LED 3000 Engine:**
High efficiency LED COB:
3000K,
Min CRI 97
- **10-56-97 - LED 5600 Engine:**
High efficiency LED COB:
5600K,
Min CRI 97
- **10-35-96 - LED T Engine:**
Tuneable 3000 to 5700K,
Min CRI 96 3000K
Min CRI 94 5700K
- **10-WA-90 - LED RGBWA Engine:**
Red, Green, Blue, White and
Amber LED
Min CRI 98 3200K
S4 19°6m 2822 Lux 1.8m

- **Simple** - Remove the reflector and insert the LED light engine. Takes around 5 minutes.
- **Light Quality** - Consistent output Excellent colour rendering CRI 93-98. Constant colour temperature.
Light output equivalent to a 750w halogen lamp. Flicker free. Compatible with all ETC S4 lens options.
- **Variable Colour Temperature** - Colour temperature control from 2300 ° K to 10,000 ° K. CRI from 93 to 98 depending on the unit. Halogen lamp emulation function.
- **Low Power Consumption** – Maximum 170W. Neutrik Powercon connector in and link out.
- **Dimming** - Dimming control via 8 or 16 bit DMX. Uniform and smooth operation down to 0%
- **Heat** - Low heat production. Cool enough to use Acetate sheet gobos.
- **Noise** - Fan speed can be adjusted to reduce noise.
- **Minimal Maintenance** - LED life 30,000 hours..
- **Environmentally Friendly** - Recycling existing luminaires and flight cases.
- **Manufactured and Assembled in EU** - Utilising reliable, high quality components.
- This Model: **10-CL-98, LED RGBACL Engine,**
Red, Green, Blue, Amber, Cyan and Lime LED
Min CRI 98 3200K
S4 19°6m 2822 Lux 1.8m

Technical Specifications



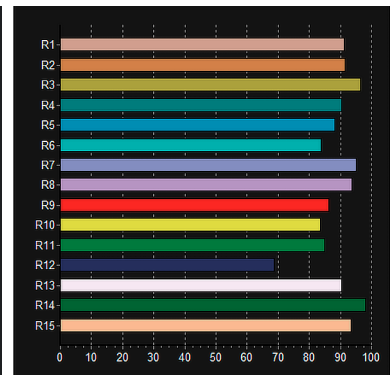
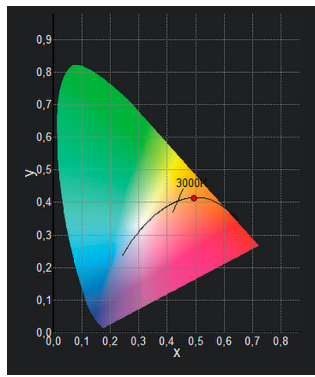
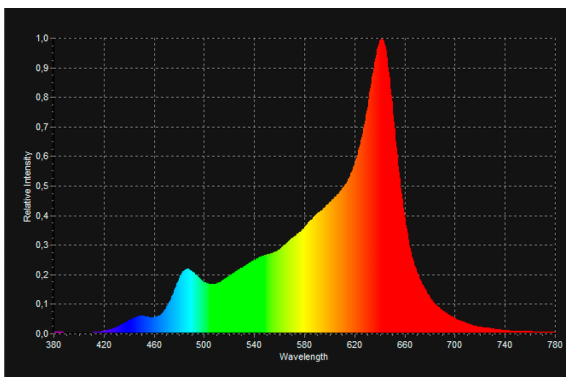
Power Supply	100–240V ~ 50/60Hz auto-setting (single-phase)
Maximum power consumption	175W
Stand-by power consumption	3W
LED Life	30,000 hours (See manufacturer's specifications)
Available LED colour	RGBACL (Red 1400 lm, green 1500 lm, blue 600 lm, amber 2300 lm, cyan 1400 lm, lime 3600 lm)
LED emission	10,800 lm total (See manufacturer's specifications)
CCT	2300°k to 10.000°k
CRI	From 93 to 98 depending on the selected white
	Emulation of 3200 °k halogen lamp during the dimming phase
	Double lens optics with multiple anti-reflection coatings
	Homogeneous beam without shadows and multiple edges
	Seven operating modes, 16 bit dimming, RGB, HSI
Protection grade	IP20 (Engine housed in original ETC Source Four only)
Working position	Any (Engine housed in original ETC Source Four only)
Data Protocols	DMX 512, and-or RDM ready
User interface	4-digit display and four keys
Power connectors	IN – OUT power-con Neutrik connectors
Data connectors	IN – OUT Neutrik XRL 5
Control of LED frequency	Selection of LED frequency refresh
Fan control	Fan speed adjustments
Dimming curve control	Selection of four dimming curves control (QUAD, QUAD 2, SCR, S, Line)
Operation without DMX signal	Four automatic programmable settings; manual selection of 30 colour presets, 10 white presets;
Min/Max room temperature	-10°C / 35°C
Net weight	2.49 kg
Packed weight	3.3 kg
Packaging volume	Packaging volume 0.012 m ³
Compliant to	CE

Photometric Data

Photometric data LED RGBACL white 2300°K cri 93

Statistics rates measured with the use of 2300°K CRI 93 LED lantern in use for 30 minutes at 25°C room temperature

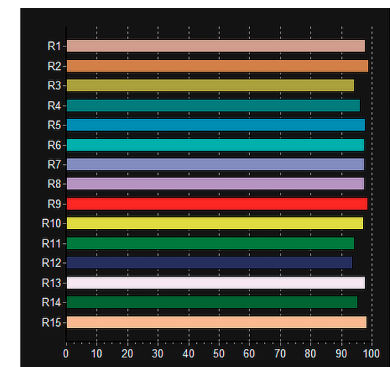
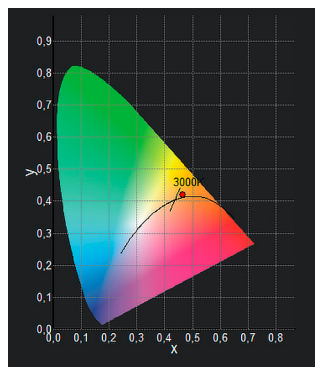
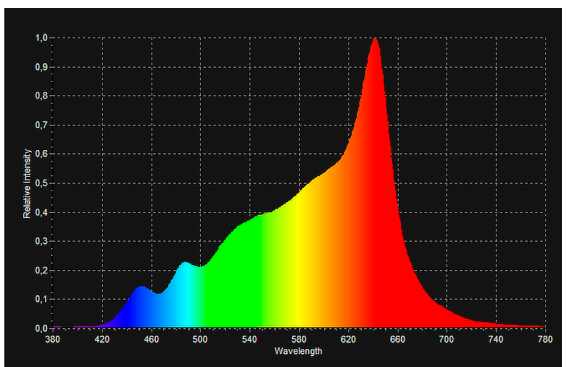
	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	4670	2076	1168	747	519	381
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2172	965	543	347	241	177
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1234	549	309	198	137	101
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	531	236	133	85	59	43
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05



Photometric data LED RGBACL white 2700°K cri 97

Statistics rates measured with the use of 2700°K CRI 97 LED lantern in use for 30 minutes at 25°C room temperature

	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	3670	1631	918	587	408	300
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	1719	764	430	275	191	140
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	938	417	234	150	104	77
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	422	188	105	68	47	34
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05

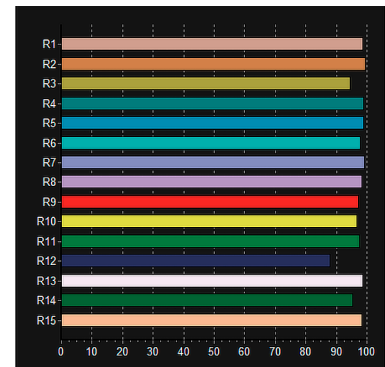
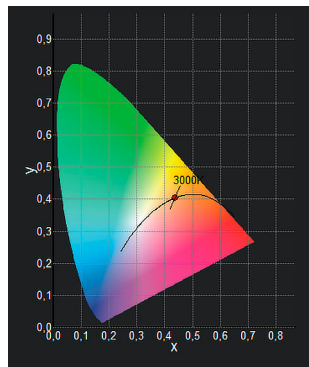
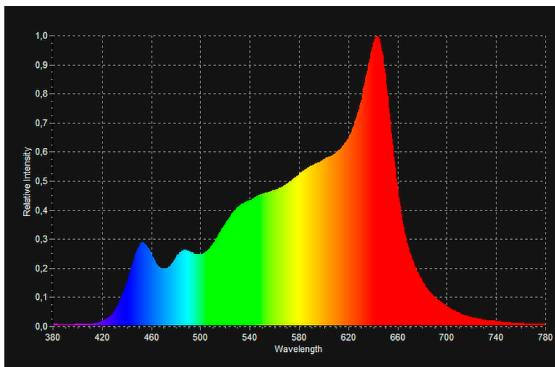


Photometric Data

Photometric data LED RGBACL white 3200°K cri 98

Statistics rates measured with the use of 3200°K CRI 98 LED lantern in use for 30 minutes at 25°C room temperature

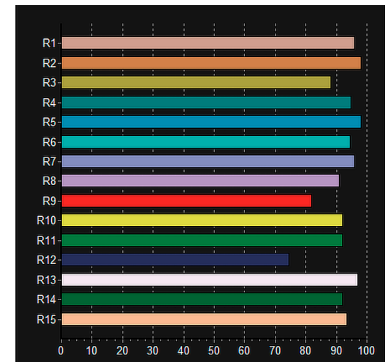
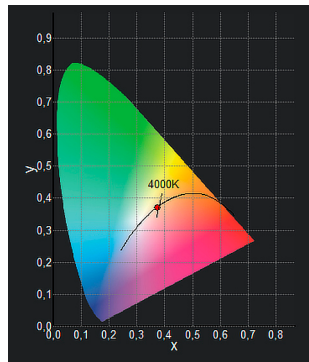
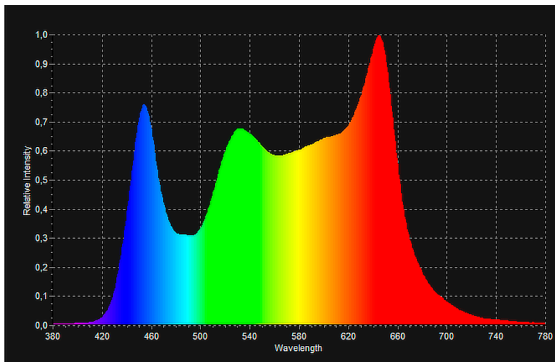
	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6350	2822	1588	1016	706	518
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2953	1313	738	473	328	241
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1688	750	422	270	188	138
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	750	333	188	120	83	61
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05



Photometric data LED RGBACL white 4000°K cri 95

Statistics rates measured with the use of 4000°K CRI 95 LED lantern in use for 30 minutes at 25°C room temperature

	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6610	2938	1653	1058	734	540
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	3094	1375	773	495	344	253
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1766	785	441	283	196	144
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	797	354	199	128	89	65
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05

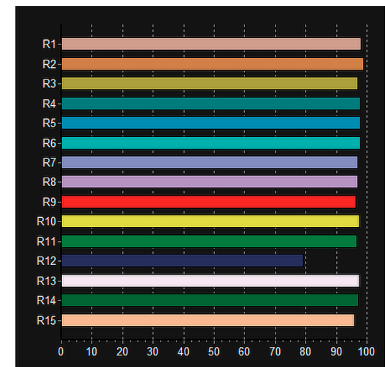
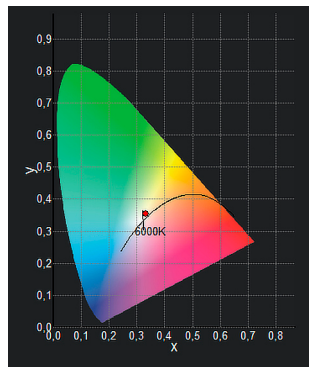
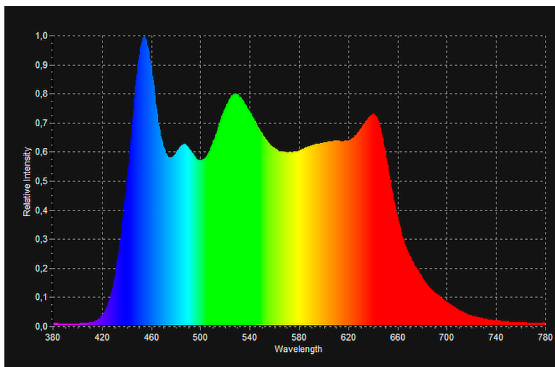


Photometric Data

Photometric data LED RGBACL white 5600°K cri 98

Statistics rates measured with the use of 5600°K CRI 98 LED lantern in use for 30 minutes at 25°C room temperature

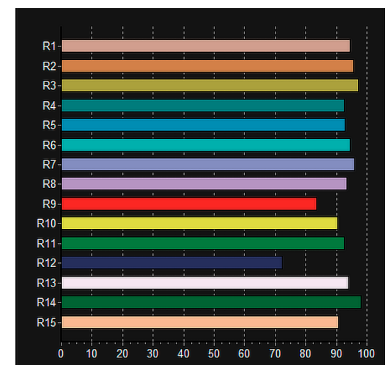
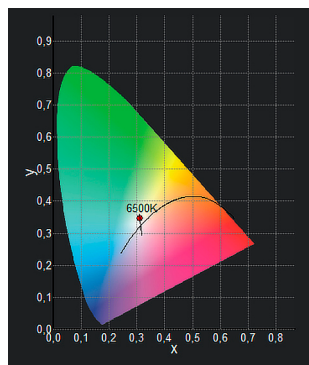
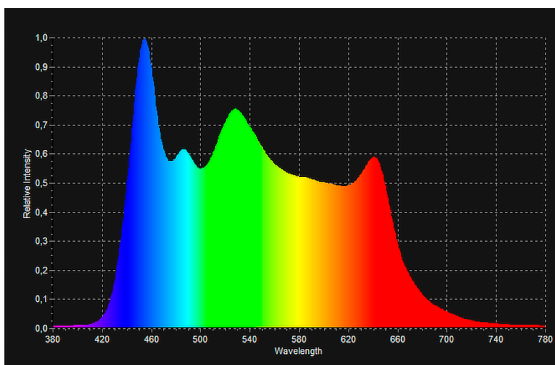
	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6710	2982	1678	1074	746	548
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	3172	1410	793	508	352	259
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1828	813	457	293	203	149
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	797	354	199	128	89	65
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05



Photometric data LED RGBACL white 6500°K cri 95

Statistics rates measured with the use of 6500°K CRI 95 LED lantern in use for 30 minutes at 25°C room temperature

	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6250	2778	1563	1000	694	510
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2938	1306	734	470	326	240
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1672	743	418	268	186	136
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	734	326	184	118	82	60
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05

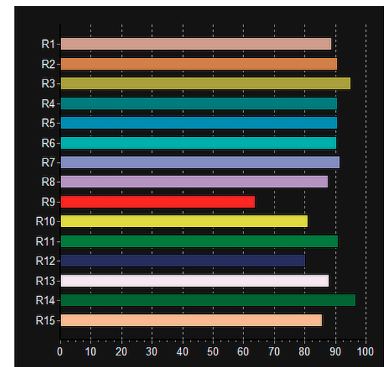
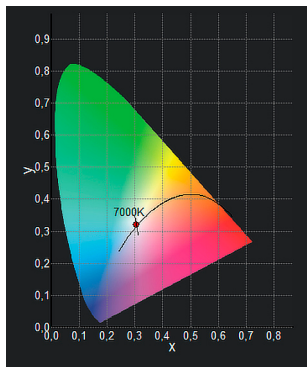
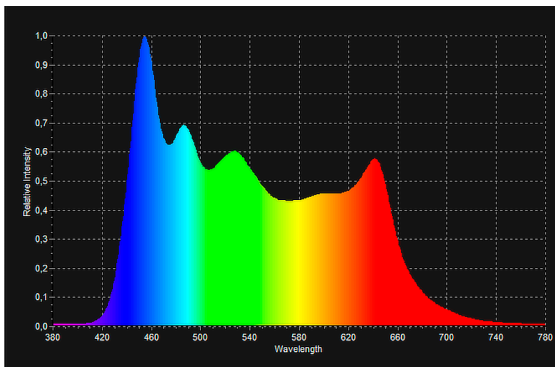


Photometric Data

Photometric data LED RGBACL white 7000°K cri 93

Statistics rates measured with the use of 7000°K CRI 93 LED lantern in use for 30 minutes at 25°C room temperature

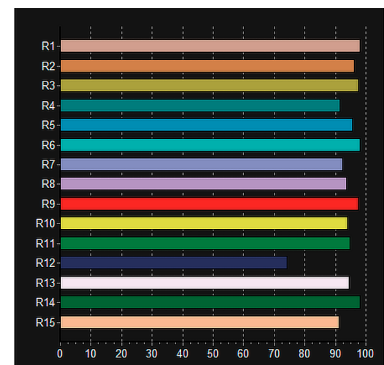
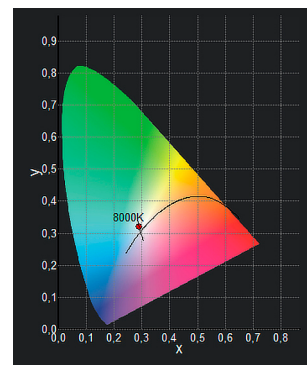
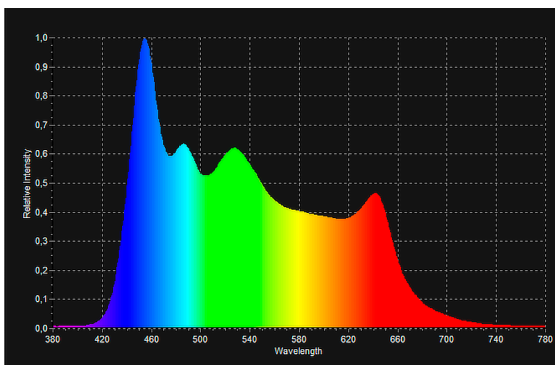
Distance m		4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6030	2680	1508	965	670	492
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2828	1257	707	453	314	231
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1609	715	402	258	179	131
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	719	319	180	115	80	59
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05



Photometric data LED RGBACL white 8000°K cri 96

Statistics rates measured with the use of 8000°K CRI 96 LED lantern in use for 30 minutes at 25°C room temperature

Distance m		4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6290	2796	1573	1006	699	513
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2984	1326	746	478	332	244
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1672	743	418	268	186	136
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	750	333	188	120	83	61
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05

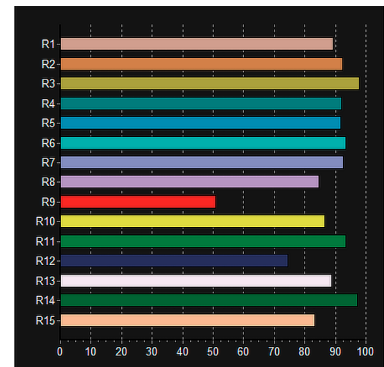
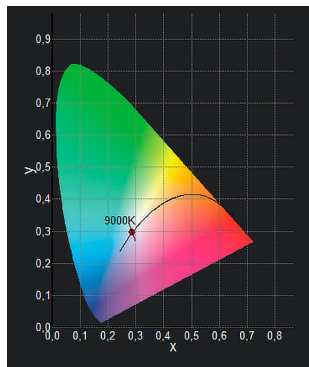
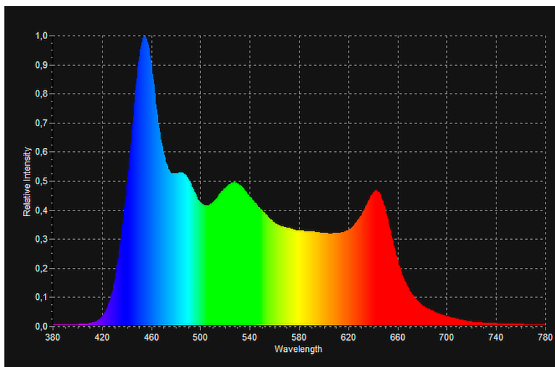


Photometric Data

Photometric data LED RGBACL white 9000°K cri 93

Statistics rates measured with the use of 9000°K CRI 93 LED lantern in use for 30 minutes at 25°C room temperature

	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	5790	2573	1448	926	643	473
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2734	1215	684	438	304	223
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1547	688	387	248	172	126
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	688	306	172	110	76	56
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05



Photometric data LED RGBACL white 10000°K cri 95

Statistics rates measured with the use of 10000°K CRI 95 LED lantern in use for 30 minutes at 25°C room temperature

	Distance m	4m	6m	8m	10m	12m	14m
Source Four Optics 19°	Lux	6080	2702	1520	973	676	496
	Diameter ø m	1.2	1.8	2.4	3.0	3.6	4.2
Source Four Optics 26°	Lux	2891	1285	723	463	321	236
	Diameter ø m	1.65	2.48	3.31	4.41	4.97	5.79
Source Four Optics 36°	Lux	1641	729	410	263	182	134
	Diameter ø m	2.32	3.48	4.64	5.81	6.97	8.13
Source Four Optics 50°	Lux	719	319	180	115	80	59
	Diameter ø m	3.73	5.59	7.46	9.32	11.19	13.05

