



Romeo 600 FullSpectrum

Product code:
F184Q0X0A

Last update:
08/05/2023



Romeo 600 FullSpectrum

Introducing

- Fast LED retrofitting for Robert Juliat 600 series moulders, available in fixed white, variable white or with 6 RGBCLA colours, with light output comparable to halogen lamps

Key Features

- Easy LED retrofit designed for Robert Juliat 614SX series
- Red, Green, Blue, Cyan, Lime, Amber light source, 20 bit color mixing
- Color mixing with hue and saturation control
- Green-Magenta adjustment
- CRI > 95
- CCT 2.700 K to 10.000 K
- Light output comparable to halogen lamp
- Smooth linear dimming
- Flicker-free ideal for TV/Broadcast installations
- Huge power savings (reduce your power consumption by over 90%) with almost no heat generated
- European Conformity certification

General

● LED Source	RGBCLA COB LED (Red, Green, Blue, Cyan, Lime, Amber) - Color mixing with hue and saturation control
● CCT Range	● ● ● ● ● 2.700 K → 10.000 K
● Color Rendition Average	CRI > 95, TLCI > 95
● Green-Magenta adjustment	Continuously adjustable from full minus-green to full plus-green
● Dimming	8 or 16 bit, 5 selectable curves: Exponential, Logarithmic, Linear, Halo and Standard
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Optical	Zoom range from 16° to 35°
● Camera flicker control/Hz range	Yes, 600 to 20.000 Hz
● Calibrated Cob	Yes
● L80 Rating (hours to 80% output)	50.000 Hours

Electrical

● Voltage Input	90-240 V, 50/60 Hz, auto-sensing
● Power Consumption	170 W Maximum
● Power Connection	In and Out PowerCON TRUE1
● Data Connection	In and Out DMX 5 pin locking XLR connectors

Thermal

● Fan (controllable)	Yes, 4 different settings: Silent, Studio, Auto, DMX regulated
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Control

● Protocols	DMX-512, RDM (Remote Device Management), Wireless (optional by LumenRadio)
● RDM configuration	Yes
● DMX Channels	16 / 7 / 1 / Studio / RGB / Fine RGB / Sunrise Mode
● Display	Graphic OLED with on-board selector for quick setting
● Software Upload	Through DMX input (With RDM interface code AC10011A001)



Romeo 600 FullSpectrum Rear Panel

DMX Charts

16 Channels
01 → Master Dimmer
02 → Red
03 → Green
04 → Blue
05 → Cyan
06 → Lime
07 → Amber
08 → Strobe Effect
09 → Dimmer Fine
10 → Special Function
11 → Red Tone
12 → Green Tone
13 → Blue Tone
14 → White Tone
15 → Green Saturation
16 → Saturation

7 Channels
01 → Master Dimmer
02 → Red
03 → Green
04 → Blue
05 → Cyan
06 → Lime
07 → Amber

RGB Mode
01 → Master Dimmer
02 → Dimmer Fine
03 → Red
04 → Green
05 → Blue
06 → White Tone
07 → Saturation
08 → Strobe Effect
09 → Special Function

1 Channel
01 → Master Dimmer - Color Temperature Settable by Display

Fine RGB Mode
01 → Master Dimmer
02 → Dimmer Fine
03 → Red
04 → Red Fine
05 → Green
06 → Green Fine
07 → Blue
08 → Blue Fine
09 → White Tone
10 → Saturation
11 → Strobe
12 → Special Function

Sunrise Mode
01 → Master Dimmer
02 → Dimmer Fine
03 → Proportional CCT
04 → Step CCT
05 → Green Saturation
06 → Special Function

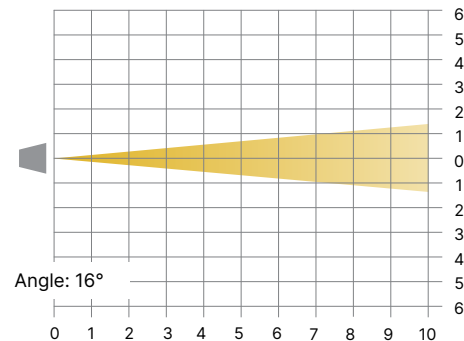
Studio Mode
01 → Master Dimmer
02 → White Tone
03 → Green Saturation
04 → Saturation
05 → Hue
06 → Dimmer Fine
07 → Special Function

Romeo 600 FullSpectrum

Measurements taken with fan in AUTO mode

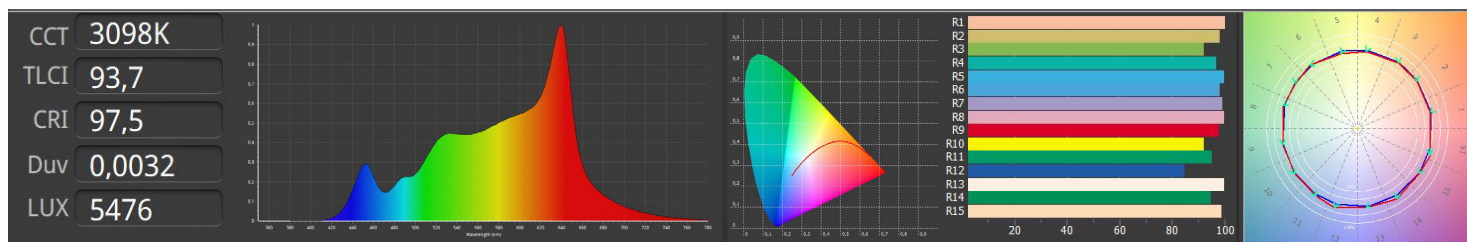
Spot: **Minimum Zoom**

Distance (m)		1	2	3	4	5	6	7	8	9	10
lux	RED	15102	3776	1678	944	604	420	308	236	186	151
	GREEN	31446	7862	3494	1965	1258	874	642	491	388	314
	BLUE	7146	1787	794	447	286	199	146	112	88	71
	CYAN	20502	5126	2278	1281	820	570	418	320	253	205
	LIME	90873	22718	10097	5680	3635	2524	1855	1420	1122	909
	AMBER	53478	13370	5942	3342	2139	1486	1091	836	660	535
	3.200 K	136899	34225	15211	8556	5476	3803	2794	2139	1690	1369
	5.600 K	134721	33680	14969	8420	5389	3742	2749	2105	1663	1347

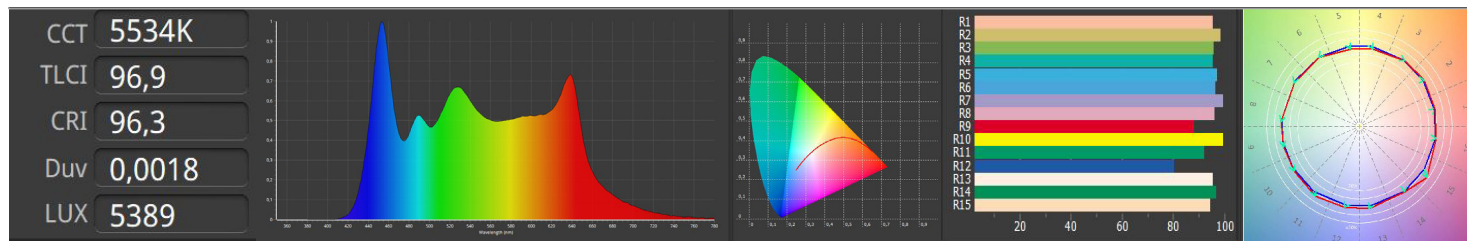


Diameter Ø (m)	0.28	0.56	0.84	1.12	1.41	1.69	1.97	2.25	2.53	2.81
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3.200 K @ 5 mt. of distance from the wall

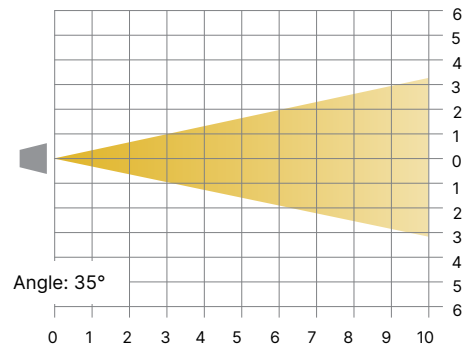


5.600 K @ 5 mt. of distance from the wall



Spot: **Maximum Zoom**

Distance (m)		1	2	3	4	5	6	7	8	9	10
lux	RED	3249	812	361	203	130	90	66	51	40	32
	GREEN	7254	1814	806	453	290	202	148	113	90	73
	BLUE	1746	437	194	109	70	49	36	27	22	17
	CYAN	4824	1206	536	302	193	134	98	75	60	48
	LIME	21447	5362	2383	1340	858	596	438	335	265	214
	AMBER	12798	3200	1422	800	512	356	261	200	158	128
	3.200 K	32148	8037	3572	2009	1286	893	656	502	397	321
	5.600 K	31851	7963	3539	1991	1274	885	650	498	393	319



Diameter Ø (m)	0.63	1.23	1.89	2.52	3.15	3.78	4.41	5.04	5.68	6.31
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● Coemar Lighting S.r.l.

Via Carpenedolo, 90
46043, Castiglione delle Stiviere (MN) – Italy

P. +39 0376 1514412

M1. info@coemar.com

M2. service@coemar.com

W. coemar.com

P.iva – C.f. 02415330204

