



Romeo General Brochure

Last update:
21/07/2023

Romeo 600 FullSpectrum



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 → 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
● 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	7 Channels	1 Channel	Sunrise Mode
01 → Master Dimmer	01 → Master Dimmer	01 → Master Dimmer - Color	01 → Master Dimmer
02 → Red	02 → Red	Temperature Settable by Display	02 → Dimmer Fine
03 → Green	03 → Green		03 → Proportional CCT
04 → Blue	04 → Blue		04 → Step CCT
05 → Cyan	05 → Cyan	Fine RGB Mode	05 → Green Saturation
06 → Lime	06 → Lime	01 → Master Dimmer	06 → Special Function
07 → Amber	07 → Amber	02 → Dimmer Fine	
08 → Strobe Effect		03 → Red	Studio Mode
09 → Dimmer Fine	RGB Mode	04 → Red Fine	01 → Master Dimmer
10 → Special Function	01 → Master Dimmer	05 → Green	02 → White Tone
11 → Red Tone	02 → Dimmer Fine	06 → Green Fine	03 → Green Saturation
12 → Green Tone	03 → Red	07 → Blue	04 → Saturation
13 → Blue Tone	04 → Green	08 → Blue Fine	05 → Hue
14 → White Tone	05 → Blue	09 → White Tone	06 → Dimmer Fine
15 → Green Saturation	06 → White Tone	10 → Saturation	07 → Special Function
16 → Saturation	07 → Saturation	11 → Strobe	
	08 → Strobe Effect	12 → Special Function	
	09 → Special Function		

Romeo 600 T/D and VW



Romeo 600 T/D and VW

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
- CRI 90 or >95 (Up to 97)
- CCT 3.200 K or 5.600 K (T/D version)
● Tunable white 2.700 K → 6.500 K (VW version)
- 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	Modular multiple LEDs
● CCT Range	● ● ● ● ● 3.200 K or 5.600 K (T/D version) ● ● ● ● ● Tunable white 2.700 K → 6.500 K (VW version)
● Color Rendition Average	CRI 90 or >95 (Up to 97), TLCI > 96
● Dimming	Smooth linear dimming, 5 dimming curves selectable (standard, halo, exponential, logarithmic and linear)
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Camera flicker control/Hz range	Yes, 600 to 20.000 Hz
● 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	5 / 1 (T/D version) 5 / 2 / 1 (VW version)
● Display	Graphic OLED with on-board selector for quick setting
● Software Upload	Through DMX input (With RDM interface code AC10011A001)



Romeo 600 Rear Panel

DMX Charts VariWhite version

5 Channels

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → White Tone
- 04 → Strobe Effect
- 05 → Special Functions

2 Channels

- 01 → Master Dimmer
- 02 → White Tone

1 Channel

- 01 → Master Dimer

DMX Charts T and D version

5 Channels

- 01 → Master Dimmer
- 02 → Spare Channel
- 03 → Dimmer Fine
- 04 → Strobe Effect
- 05 → Special Function

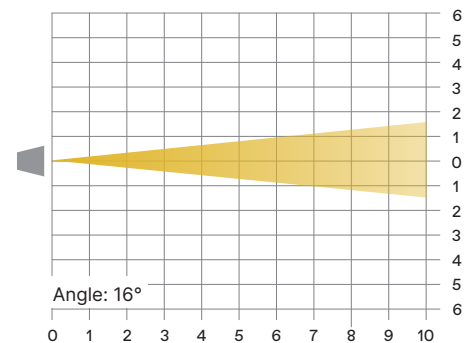
1 Channels

- 01 → Master Dimmer

Romeo 600 Tungsten - CRI 90

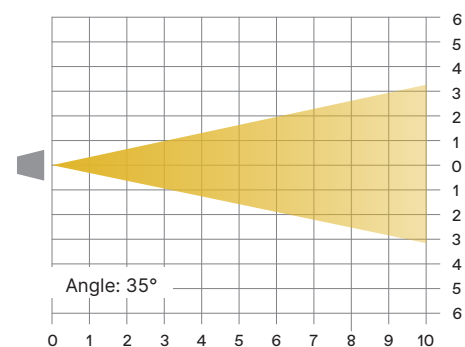
Optic: SPOT

Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	163.503	40.876	18.167	10.219	6.540	4.542	3.337	2.555	2.019	1.635
Distance Ø (m)	0,28	0,56	0,84	1,12	1,41	1,69	1,97	2,25	2,53	2,81



Optic: FLOOD

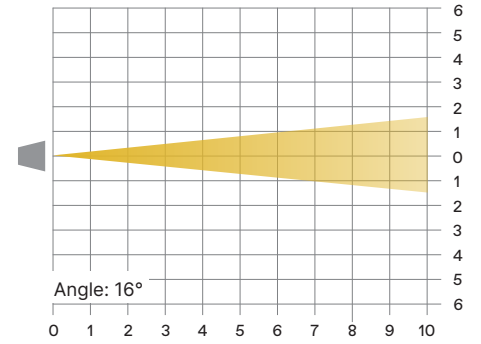
Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	40.002	10.751	4.778	2.688	1.720	1.195	878	672	531	430
Distance Ø (m)	0,63	1,26	1,89	2,52	3,15	3,78	4,41	5,04	5,68	6,31



Romeo 600 Daylight - CRI 90

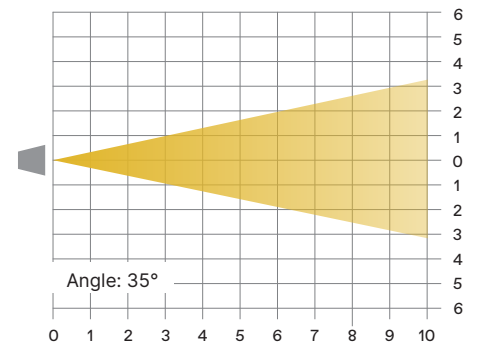
Optic: SPOT

Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	163.503	40.876	18.167	10.219	6.540	4.542	3.337	2.555	2.019	1.635
Distance Ø (m)	0,28	0,56	0,84	1,12	1,41	1,69	1,97	2,25	2,53	2,81



Optic: FLOOD

Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	40.002	10.751	4.778	2.688	1.720	1.195	878	672	531	430
Distance Ø (m)	0,63	1,26	1,89	2,52	3,15	3,78	4,41	5,04	5,68	6,31



Romeo 700 FullSpectrum



Romeo 700 FullSpectrum

Introducing

- Fast LED retrofitting for Robert Juliat 700 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 700 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 → 10.000 K
- Output as bright or brighter than Halogen lamps
- 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	Modular multiple LEDs
● CCT Range	● ● ● ● ● 2.700 K → 10.000 K
● Color Rendition Average	CRI >95
● Dimming	Smooth linear dimming, 5 dimming curves selectable (standard, halo, exponential, logarithmic and linear)
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Camera flicker control/Hz range	Yes, 600 to 20.000 Hz
● L80 Rating (hours to 80% output)	50.000 Hours

Electrical

● Voltage Input	90-240 V, 50/60 Hz, auto-sensing
● Power Consumption	200 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
● Software Upload	Through DMX input (With RDM interface code AC10011A001)



Romeo 700 Rear Panel

DMX Charts

16 Channels	7 Channels	1 Channel	Sunrise Mode
01 → Master Dimmer	01 → Master Dimmer	01 → Master Dimmer - Color	01 → Master Dimmer
02 → Red	02 → Red	Temperature Settable by Display	02 → Dimmer Fine
03 → Green	03 → Green		03 → Proportional CCT
04 → Blue	04 → Blue		04 → Step CCT
05 → Cyan	05 → Cyan	Fine RGB Mode	05 → Green Saturation
06 → Lime	06 → Lime	01 → Master Dimmer	06 → Special Function
07 → Amber	07 → Amber	02 → Dimmer Fine	
08 → Strobe Effect		03 → Red	Studio Mode
09 → Dimmer Fine	RGB Mode	04 → Red Fine	01 → Master Dimmer
10 → Special Function	01 → Master Dimmer	05 → Green	02 → White Tone
11 → Red Tone	02 → Dimmer Fine	06 → Green Fine	03 → Green Saturation
12 → Green Tone	03 → Red	07 → Blue	04 → Saturation
13 → Blue Tone	04 → Green	08 → Blue Fine	05 → Hue
14 → White Tone	05 → Blue	09 → White Tone	06 → Dimmer Fine
15 → Green Saturation	06 → White Tone	10 → Saturation	07 → Special Function
16 → Saturation	07 → Saturation	11 → Strobe	
	08 → Strobe Effect	12 → Special Function	
	09 → Special Function		

Romeo 700 T/D and VW



Romeo 700 T/D and VW

Introducing

- Fast LED retrofitting for Robert Juliat 700 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 700 series
- CRI 90 or >95 (up to 97)
- CCT 3.200K or 5.600K (T/D version)
● Tunable white from 2.700K to 6.500K (VW version)
- Output as bright or brighter than Halogen lamps
- 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	Modular multiple LEDs
● CCT Range	● ● ● ● ● 3.200 K or 5.600 K (T/D version) ● ● ● ● ● Tunable white from 2.700K → 6.500K (VW version)
● Color Rendition Average	CRI 90 or >95 (up to 97)
● Dimming	Smooth linear dimming, 5 dimming curves selectable (standard, halo, exponential, logarithmic and linear)
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Camera flicker control/Hz range	Yes, 600 to 20.000 Hz
● L80 Rating (hours to 80% output)	50.000 Hours

Electrical

● Voltage Input	90-240 V, 50/60 Hz, auto-sensing
● Power Consumption	200 W Maximum (T/D versions) 230 W Maximum (VariWhite version)
● 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	5 / 1 (T/D version) 5 / 2 / 1 (VW version)
● Display	Graphic OLED
● Software Upload	Through DMX input (With RDM interface code AC10011A001)



Romeo 700 Rear Panel

DMX Charts VariWhite version

5 Channels

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → White Tone
- 04 → Strobe Effect
- 05 → Special Functions

2 Channels

- 01 → Master Dimmer
- 02 → White Tone

1 Channel

- 01 → Master Dimer

DMX Charts T and D version

5 Channels

- 01 → Master Dimmer
- 02 → Spare Channel
- 03 → Dimmer Fine
- 04 → Strobe Effect
- 05 → Special Function

1 Channel

- 01 → Master Dimmer





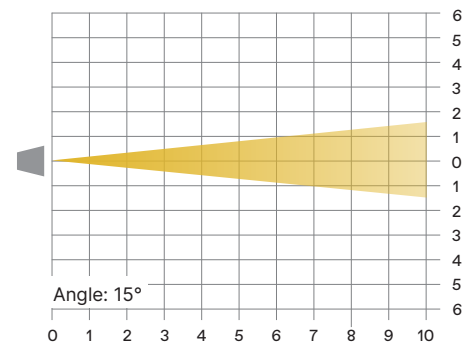
RJ 714 with 2000 W Halogen lamp

RJ 714 with 170 W Romeo 700 T Relite kit

Romeo 700 Tungsten - CRI 90

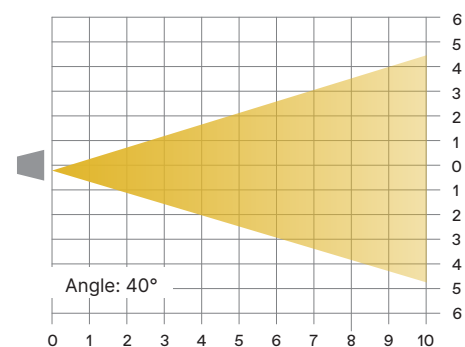
Optic: SPOT

Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	412.974	103.244	45.886	25.811	16.519	11.472	8.453	6.453	5.098	4.130
Distance Ø (m)	0,26	0,53	0,79	1,05	1,32	1,58	1,84	2,11	2,37	2,63



Optic: FLOOD

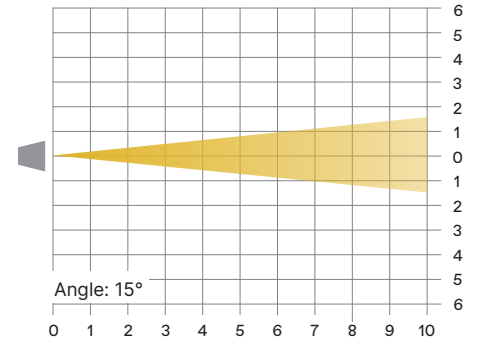
Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	52.974	13.244	5.886	3.311	2.119	1.472	1.081	828	654	530
Distance Ø (m)	0,73	1,46	2,18	2,91	3,64	4,37	5,10	5,82	6,55	7,28



Romeo 700 VariWhite - CRI 95

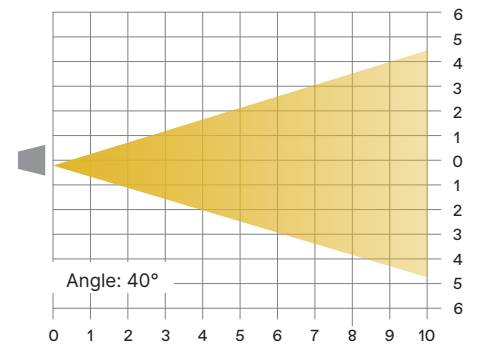
Optic: SPOT

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	3.200K	274.374	68.594	30.486	17.148	10.975	7.622	5.599	4.287	3.387	2.744
	5.600K	296.073	74.018	32.897	18.505	11.843	8.224	6.042	4.626	3.655	2.961
Distance Ø (m)	0,26	0,53	0,79	1,05	1,32	1,58	1,84	2,11	2,37	2,63	



Optic: FLOOD

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	3.200K	31.950	7.988	3.550	1.997	1.278	888	652	499	394	320
	5.600K	36.072	9.018	4.008	2.255	1.443	1.002	736	564	445	361
Distance Ø (m)	0,73	1,46	2,18	2,91	3,64	4,37	5,10	5,82	6,55	7,28	



● Coemar Lighting S.r.l.

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