



ReLite LED Kit for DeSisti Leonardo 5K

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09/04/2024



ReLite LED Kit for DeSisti Leonardo 5K

Introducing

● Fast LED retrofitting for DeSisti Leonardo 5K, available in fixed white or with variable white, with light output comparable to halogen lamps.

Key Features

- Easy LED retrofit designed for DeSisti Leonardo 5K
- Tungsten or Daylight COB LED
- Variable white LEDs module
- High CRI > 95
- Fixed White 3.200 K (T version) or 5.600 K (D version)
- CCT from 2.700 K to 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	White COB LED (T/D versions), Variable white LEDs module (VW version)
● CCT Range	● ● ● ● ● ● 3.200 K (T version) or 5.600 K (D version) ● ● ● ● ● ● Tunable white 2.700K → 6.500K (VW version)
● Color Rendition Average	CRI > 95
● Dimming	8 or 16 bit, 5 selectable curves: Exponential, Logarithmic, Linear, Halo and Standard
● Dimming Smooth Selection	Fast, Slow and Very Slow
● Strobe	Electronic strobe, synchronized, random, pulse effect
● Optical	Zoom range from 15° to 65° (T/D versions), from 14° to 70° (VW version)
● Camera flicker control/Hz range	Yes: 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	500 W (T/D versions), 600 W (VW version)
● Power Connection	In and Out PowerCON TRUE1 Top
● 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 versions), 5 / 2 / 1 / Sunrise mode / Raw mode / MK1 mode / 6 channels mode (VW version)
● Display	Graphic OLED
● Software Upload	Through DMX input (With RDM interface code AC10011A001)

Physical

● Mounting Options	With clamp or customized fixing system for installation on the fixture
● IP Rating	IP20
● Color options	Black (standard)



ReLite LED Kit for DeSisti Leonardo 5K Rear Panel

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

DMX Charts VariWhite Version

5 Channels

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

Sunrise Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → Proportional White Tone
- 04 → Step White Tone
- 05 → Special Function

Raw Mode

- 01 → Warm White Led
- 02 → Warm White Led Fine
- 03 → Cold White Led
- 04 → Cold White Led Fine

6 Channels Mode

- 01 → Master Dimmer
- 02 → Dimmer Fine
- 03 → White Tone
- 04 → White Temperature Fine
- 05 → Strobe Effect
- 06 → Special Function

2 Channels

- 01 → Master Dimmer
- 02 → White Tone

MK1 Mode

- 01 → Master Dimmer
- 02 → White Tone

1 Channel

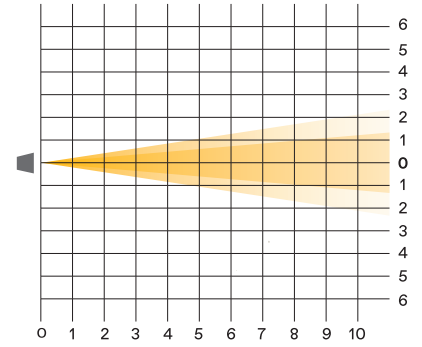
- 01 → Master Dimmer

ReLite LED Kit D Studio for DeSisti Leonardo 5K

Measurements taken with fan in AUTO mode

Minimum Zoom

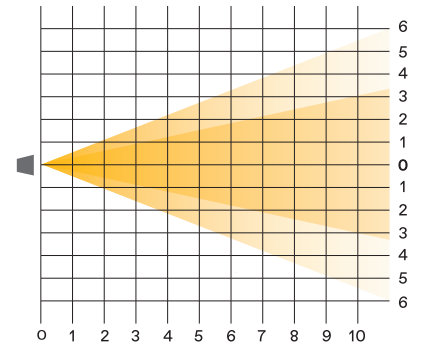
Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	398950	99738	44328	24934	15958	11082	8142	6234	4925	3990
1/2 P.A 15° Ø (m)	0.26	0.53	0.79	1.05	1.32	1.58	1.84	2.11	2.37	2.63
1/10 P.A 24° Ø (m)	0.43	0.85	1.28	1.70	2.13	2.55	2.98	3.40	3.83	4.25



1/2 peak angle: 15°
1/10 peak angle: 24°

Maximum Zoom

Distance(m)	1	2	3	4	5	6	7	8	9	10
lux	70300	17575	7811	4394	2812	1953	1435	1098	868	703
1/2 P.A 40° Ø (m)	0.73	1.46	2.18	2.91	3.64	4.37	5.10	5.82	6.55	7.28
1/10 P.A 65° Ø (m)	1.27	2.55	3.82	5.10	6.37	7.64	8.92	10.19	11.47	12.74



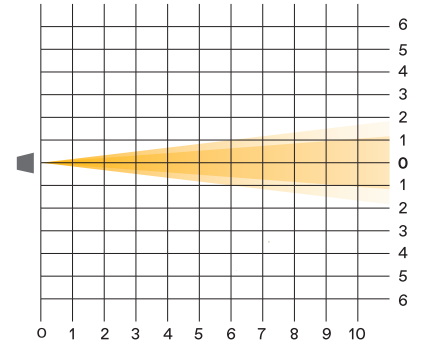
1/2 peak angle: 40°
1/10 peak angle: 65°

ReLite LED Kit VariWhite HD for DeSisti Leonardo 5K

Measurements taken with fan in AUTO mode

Minimum Zoom

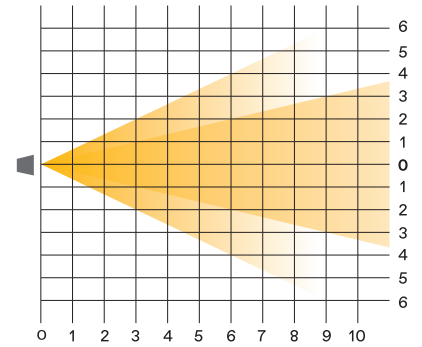
Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	3.200 K	297665	74416	33074	18604	11907	8268	6075	4651	3675	2977
	5.600 K	353046	88262	39227	22065	14122	9807	7205	5516	4359	3530
1/2 P.A 14° Ø (m)	0.25	0.49	0.74	0.98	1.23	1.47	1.72	1.96	2.21	2.46	
1/10 P.A 22° Ø (m)	0.39	0.78	1.17	1.56	1.94	2.33	2.72	3.11	3.50	3.89	



1/2 peak angle: 14°
1/10 peak angle: 22°

Maximum Zoom

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	3.200 K	58912	14728	6546	3682	2356	1636	1202	921	727	589
	5.600 K	71049	17762	7894	4441	2842	1974	1450	1110	877	710
1/2 P.A 42° Ø (m)	0.77	1.54	2.30	3.07	3.84	4.61	5.37	6.14	6.91	7.68	
1/10 P.A 70° Ø (m)	1.40	2.80	4.20	5.60	7.00	8.40	9.80	11.20	12.60	14.00	



1/2 peak angle: 42°
1/10 peak angle: 70°

● Coemar Lighting S.r.l.

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