

ReLite LED Kit for DeSisti Leonardo 2K

Last update:
15/05/2024



ReLite LED Kit for DeSisti Leonardo 2K

Introducing

- Fast LED retrofitting for DeSisti Leonardo 2K, available in fixed white or with variable white, with light output comparable to halogen lamps.

Key Features

- Easy LED retrofit designed for DeSisti Leonardo 2K
- 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 2.700 K → 6.500 K (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 14° to 68°
● 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	220 W (T/D versions), 330 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)

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



Broadcast - MDR Mitteldeutscher Rundfunk, Germany

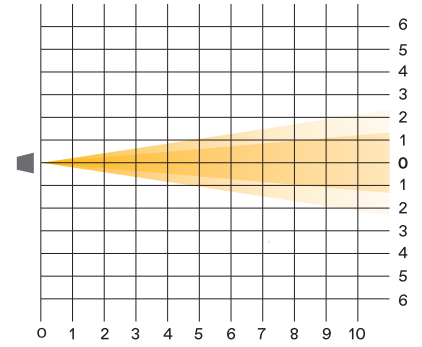
Product	ReLite LED Kit for Leonardo 2K
CCT	2.700 K → 6.500 K
CRI	>95

ReLite LED Kit VariWhite HD for DeSisti Leonardo 2K

Measurements taken with fan in AUTO mode

Minimum Zoom

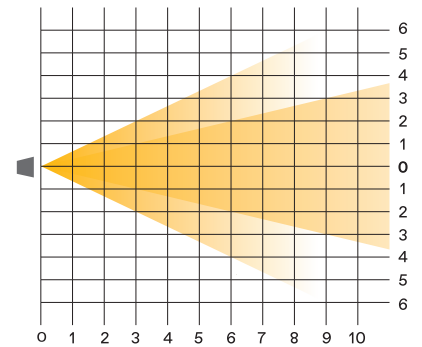
Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	3.200 K	160864	40216	17874	10054	6435	4468	3283	2515	1986	1609
	5.600 K	223360	55840	24818	13960	8934	6204	4558	3490	2758	2234
1/2 P.A 14° Ø (m)	0.25	0.49	0.74	0.98	1.23	1.47	1.72	1.96	2.21	2.46	
1/10 P.A 25° Ø (m)	0.44	0.89	1.33	1.77	2.22	2.66	3.10	3.55	3.99	4.43	



1/2 peak angle: 14°
1/10 peak angle: 25°

Maximum Zoom

Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	3.200 K	26256	6564	2917	1641	1050	729	536	410	324	263
	5.600 K	36400	9100	4044	2275	1456	1011	743	569	449	364
1/2 P.A 44° Ø (m)	0.81	1.62	2.42	3.23	4.04	4.85	5.66	6.46	7.27	8.08	
1/10 P.A 68° Ø (m)	1.35	2.70	4.05	5.40	6.75	8.09	9.44	10.79	12.14	13.49	



1/2 peak angle: 44°
1/10 peak angle: 68°

● Coemar Lighting S.r.l.

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