



# ReLite LED Kit for DeSisti Leonardo 1K

Last update:  
15/05/2024



ReLite LED Kit for DeSisti Leonardo 1K

#### Introducing

● Fast LED retrofitting for DeSisti Leonardo 1K, available in fixed white or with variable white, with light output comparable to halogen lamps.

#### Key Features

- Easy LED retrofit designed for DeSisti Leonardo 1K
- 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, TLCI > 97
● 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 66°
● 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	150 W Maximum
● 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

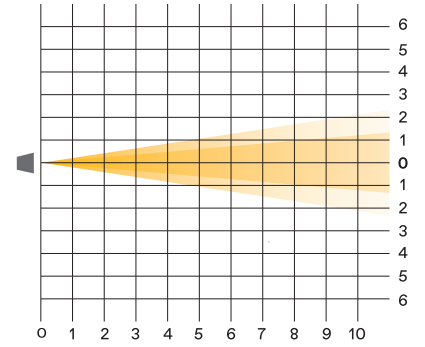
Product	ReLite LED Kit for Leonardo 1K
CCT	2.700 K → 6.500 K
CRI	>95

## ReLite LED Kit VariWhite HD for DeSisti Leonardo 1K

Measurements taken with fan in AUTO mode

### Minimum Zoom

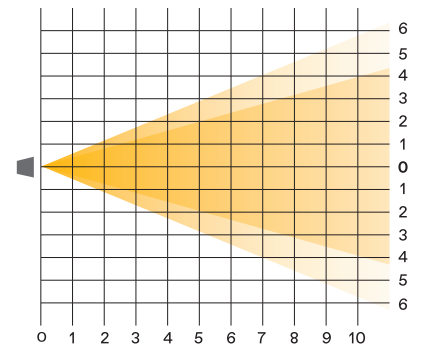
Distance(m)	1	2	3	4	5	6	7	8	9	10	
lux	<b>3.200 K</b>	58806	14702	6534	3675	2352	1634	1200	919	726	588
	<b>5.600 K</b>	73710	18428	8190	4607	2948	2048	1504	1152	910	737
<b>1/2 P.A 15° Ø (m)</b>	0.26	0.53	0.79	1.05	1.32	1.58	1.84	2.11	2.37	2.63	
<b>1/10 P.A 24° Ø (m)</b>	0.43	0.85	1.28	1.70	2.13	2.55	2.98	3.40	3.83	4.25	
<b>3.200K</b>	CRI 96	TLCI 97.8									
<b>5.600K</b>	CRI 96.5	TLCI 98.4									



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	<b>3.200 K</b>	12616	3154	1402	788	505	350	257	197	156	126
	<b>5.600 K</b>	16038	4010	1782	1002	642	4469	327	251	198	160
<b>1/2 P.A 48° Ø (m)</b>	0.89	1.78	2.67	3.56	4.45	5.34	6.23	7.12	8.01	8.90	
<b>1/10 P.A 66° Ø (m)</b>	1.30	2.60	3.90	5.20	6.49	7.79	9.09	10.39	11.69	12.99	
<b>3.200K</b>	CRI 95.5	TLCI 97.6									
<b>5.600K</b>	CRI 96.2	TLCI 98.4									



1/2 peak angle: 48°  
1/10 peak angle: 66°

● Coemar Lighting S.r.l.

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