HPLED DE
"white series"

Lites s.r.l.
Simply LED to innovation

White Retrofit for Fresnel De Sisti Leonardo (COD.320-321)

- **Easy installation -** *(remove the lamp holder slide box, remove the reflector, remove the lamp holder, insert the module and secure it with 2 M4 screws, fix the display box (time required 9/11 minutes)*
- **Light quality - (** *high colour rendering CRI >97, constant colour temperature, flicker free*
- **Consumption –** *electrical connection (low consumption, maximum power consumption 230W)*
- **Dimming -** *(Power supply directly connected to the network 110/240 V~, dimming control through the 8 or 16 bits DMX control, adjustment of the reaction times, quick reaction, dimming curves, always with a uniform and smooth operation, without jumps even at the lower light level, RDM control)*
- **Heat -** *(drastic temperature reduction of the projector unit resulting in savings for air-conditioning)*
- **Maintenance -** *(savings for lamps replacement, lamp average life 300/500 hours, depending on the model, Led life 50,000 hours, as estimated by the manufacturer)*
- **Noise -** *(efficient and silent cooling, with possibility to adjust the fan speed)*
- **Protections -** *(inner active control system which adjusts the operation of the unit by controlling the temperature thus protecting it in any situation)*
- **Versions -** *(a complete range with a variety of versions in order to meet all needs, available with 3000°k, 4000°k, 5600°k white light, white variable from 3000° to 5700°k, coloured RGBACL, red, green, blue, amber, cyan, lime)*
- **Made in Italy -***(made and assembled in Italy using reliable and high quality components)*
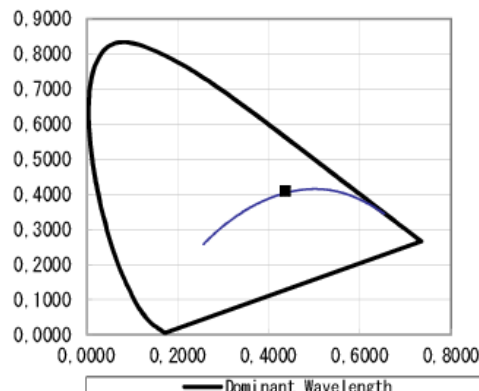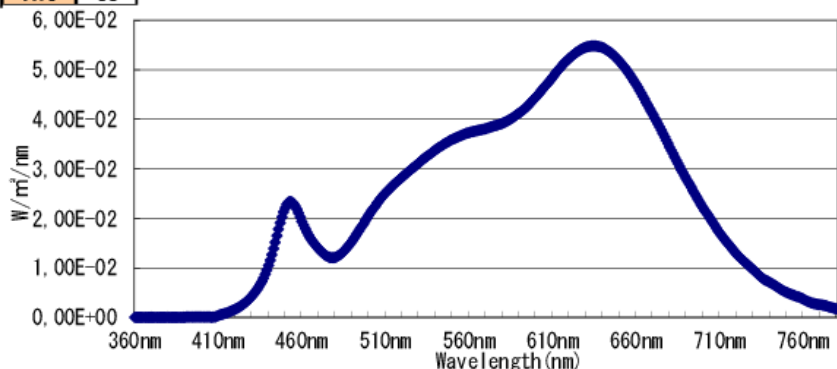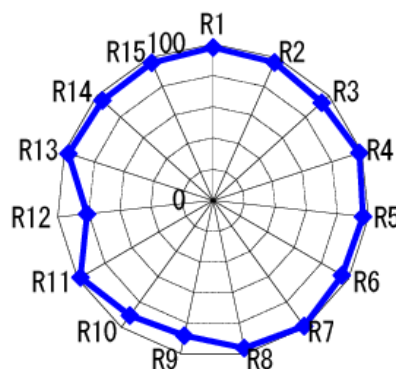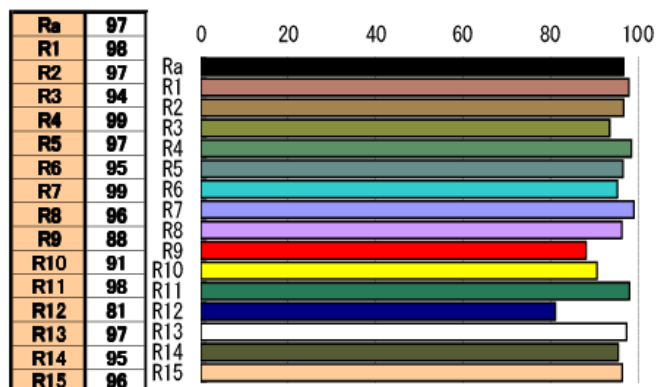
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Technical specifications

Power Supply: 100–240V ~ 50/60Hz auto-setting (single-phase)	
Maximum power consumption 230W	Minimum room temperature: -10°C
Stand-by power consumption 5W	Maximum room temperature: 35°C
Minimun CRI : 90 > and 97 > (depending on LED model)	LED life 50.000 Hrs (see manufacturer's specifications)
LED K° colour temperatures: 3000°K; 4000°K; 5600°K (specify when ordering)	
Protection grade:IP20	Working position: any
Data Protocols: DMX 512, and-or RDM ready	User's interface: 4-digit display and 4 keys
Data connectors: IN – OUT Neutrik XRL 5	
Control of led frequency: selection of LED frequency refresh	Fan control: fan speed adjustments
Manual operations: via keys provided on the display	
Dimming curves control: selection of two dimming curves control	

Net weight: 2,7 kg	Packed weight: 3,3 kg	Packaging volume 0.015 m³

Compliant to : CE

Photometric data LED 5600°K CRI 97 (Leonardo cod. 320-321)

Statistics rates measured with the use of 5600°K CRI 97 LED lantern in use for 30 minutes at 25°C room temperature

	Distance m	4 m	6 m	8 m	10 m	12 m	14 m
16°	Lux	8.644	3.842	2.161	1.383	960	706
	Diameter ø m	1,12	1,68	2,24	2,81	3,37	3,93
66°	Lux	1.663	739	416	266	185	136
	Diameter ø m	5,19	7,79	10,39	12,98	15,58	18,18

|	
Ra	97
R1	98
R2	97
R3	94
R4	99
R5	97
R6	95
R7	99
R8	96
R9	88
R10	91
R11	98
R12	81
R13	97
R14	95
R15	96

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| Photometric data LED 3000°K CRI 97 (Leonardo cod. 320-321)							
Statistics rates measured with the use of 3000°K CRI 97 LED lantern in use for 30 minutes at 25°C room temperature							
	Distance m	4 m	6 m	8 m	10 m	12 m	14 m
16°	Lux	7250	3.222	1.813	1.160	806	592
	Diameter ø m	1,12	1,68	2,24	2,81	3,37	3,93
66°	Lux	1.394	619	348	223	155	114
	Diameter ø m	5,19	7,79	10,39	12,98	15,58	18,18

Ra	97
R1	97
R2	96
R3	93
R4	96
R5	95
R6	92
R7	98
R8	98
R9	93
R10	90
R11	95
R12	74
R13	97
R14	96
R15	97

Dimensions:

237   172   102   80   45   234
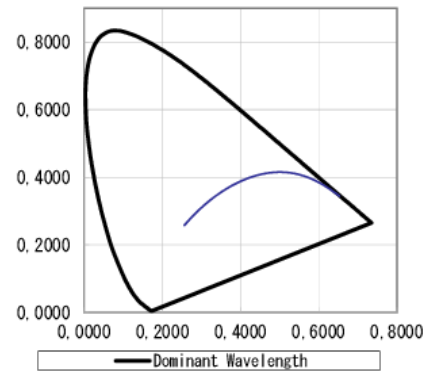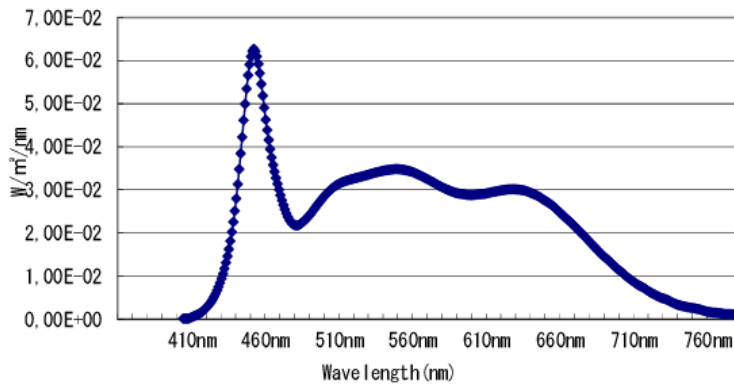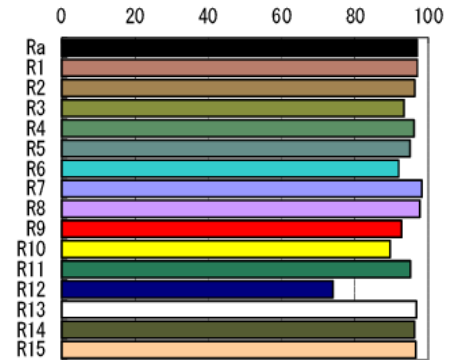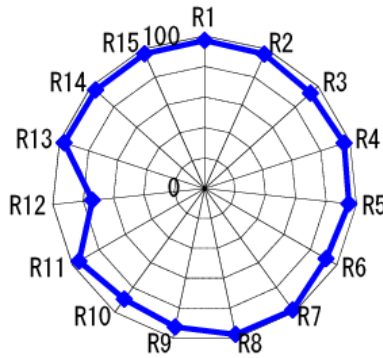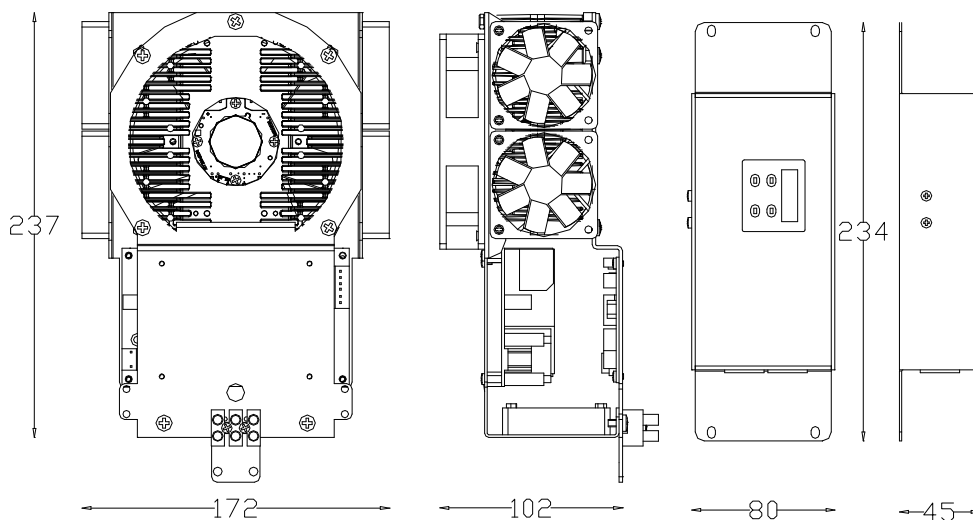
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