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Simply LED to innovation

HPLED DE 1-T

“tunable 3000°K-5700°K ”

Retrofit for Fresnel
Leonardo 1000 W (De Sisti)

HPLED DE 1-T Tunable is a retrofit module that allows a traditional 1000 W Leonardo Fresnel (De Sisti) with a halogen lamp to be upgraded into an efficient LED Fresnel with tunable white light from 3000°K (warm white) to 5700°K (cool white), including all intermediate color temperatures. By installing the module, it is possible to eliminate traditional phase-control dimmers and achieve direct control of the fixture via DMX 512 signal. With the HPLED DE 1-T series, operating costs are reduced, including electricity consumption (170 W), air conditioning, maintenance, and lamp replacement—without the need to purchase new LED fixtures. Made in Italy.

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General specifications:

- LED array
- CRI: 96 for 3000 K LED, CRI 94 for 5700 K LED
- LED lifetime (L80, hours at 80% output): 50,000 hours
- 10 presets selectable from the display for manual use without a DMX signal
- 2 programmable programs for operation without a DMX controller
- Dimmer: 8 or 16 bit, 4 selectable curves (Quad, Quad2, Scur, Line)
- Flicker-free control for cameras, frequency range from 1 kHz to 10 kHz
- Smooth dimming (Sfast, Fast, Med, Slow)
- Synchronized electronic strobe (0 to 28 Hz)
- Modes: 5 DMX modes DMX (2 ch, U2 ch, 3 ch, U9 ch,)
- RDM (Remote Device Management)
- Fan with four selectable speeds (LOW, MEDL, MEDH, AUTO), noise level from 12 dB to 34 dB
- Display with four buttons

HPLED DE 1-T can be installed in the following Fresnel lenses:

- 310 Leonardo 1000 W tungsteno Fresnel
- 311 Leonardo 1000 W tungsteno Fresnel

Electrical spetifications:

- Power supply: 100–240 V ~ 50/60 Hz, auto-setting
- Power consumption: 170 W, cosφ 0.98
- Signal connectors: Neutrik 5-pin XLR (IN and OUT)
- Firmware update: via DMX connectors

Compliance:

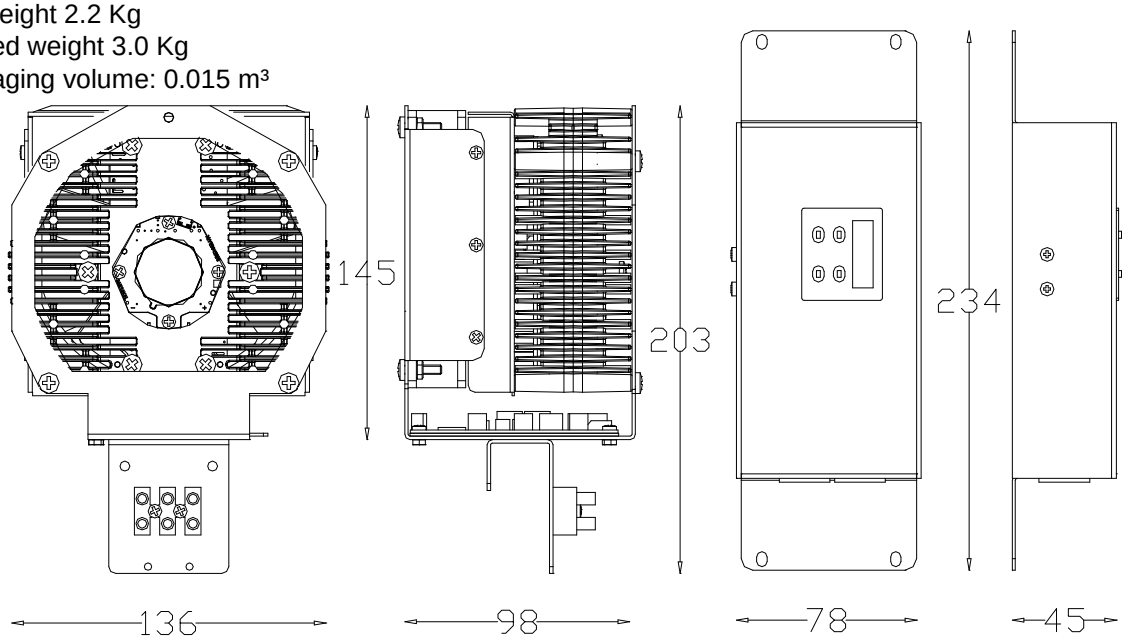
- Compliant with applicable standar CE

Thermal specifications:

- (Ta): –10 °C to +35 °C
- Temperature sensor on LED
- Temperature sensor on driver board

Dimensional specifications:

- See drawing:
- Net weight 2.2 Kg
- Packed weight 3.0 Kg
- Packaging volume: 0.015 m³



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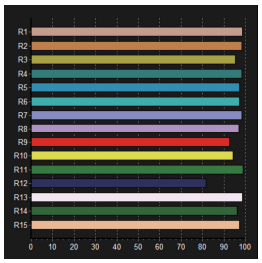
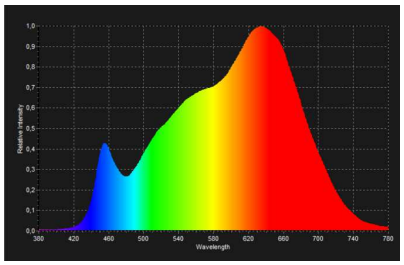
Photometric data LED 3000°K CRI 96							
Indicative measurements taken at the center with the fixture powered on for 30 minutes at an ambient temperature of 25 °C.							
	Distance m	**4 m**	**6 m**	**8 m**	**10 m**	**12 m**	**14 m**
Leonardo 1000 zoom 18°	**Lux**	1.672	743	418	268	186	136
	Diameter ø m	1,13	1,7	2,27	2,85	3,41	3,98
Leonardo 1000 zoom 70°	**Lux**	359	160	90	58	40	29
	Diameter ø m	4,9	7,35	9,8	12,25	14,70	17,15

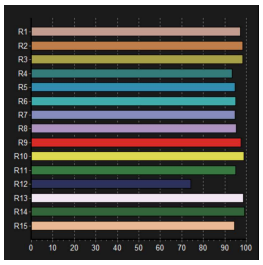


White 3000° CRI 96

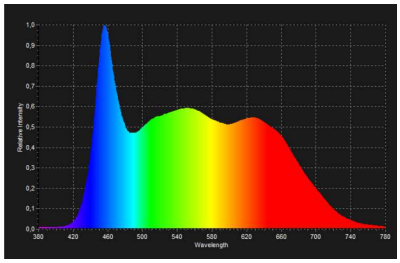


White 3000 Curve

Photometric data LED 5700°K CRI 94							
Indicative measurements taken at the center with the fixture powered on for 30 minutes at an ambient temperature of 25 °C.							
	Distance m	**4 m**	**6 m**	**8 m**	**10 m**	**12 m**	**14 m**
Leonardo 1000 zoom 18°	**Lux**	2.000	889	500	320	222	163
	Diameter ø m	1,13	1,7	2,27	2,85	3,41	3,98
Leonardo 2000 zoom 70°	**Lux**	422	188	105	68	47	34
	Diameter ø m	4,9	7,35	9,8	12,25	14,70	17,15

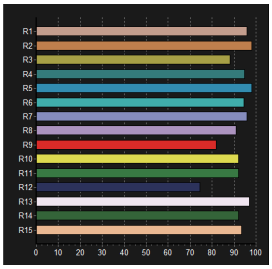


White 5700° CRI 94

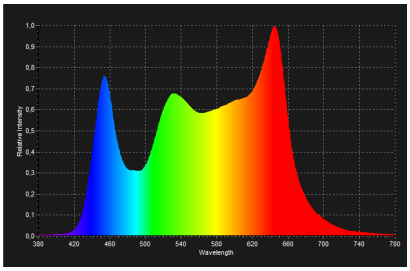


White 5700° Curve

Photometric data LED 4000°K CRI 95							
Indicative measurements taken at the center with the fixture powered on for 30 minutes at an ambient temperature of 25 °C.							
	Distance m	**4 m**	**6 m**	**8 m**	**10 m**	**12 m**	**14 m**
Leonardo 1000 zoom 18°	**Lux**	2.734	1.215	684	438	304	223
	Diameter ø m	1,13	1,7	2,27	2,85	3,41	3,98
Leonardo 1000 zoom 70°	**Lux**	594	264	148	95	66	48
	Diameter ø m	4,9	7,35	9,8	12,25	14,70	17,15



White 4000° CRI 95



White 4000° Curve

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