LUMIOS
LIGHTING SYSTEMS

FRESNEL 300Z T



300W TUNABLE WHITE LED
FAITHFUL COLOR REDERING
FLICKER FREE OPERATION
2800K - 6500K CT RANGE

- 300W + 300W Warm+Cool LEDs
- HIGH CRI, TLCI, CQS, and TM-30s
- Smooth 8°-60° Motorized Zoom
- Durable Metal Construction

The FRESNEL 300Z T is a high-performance 300W tunable white LED Fresnel engineered to deliver the intensity, precision, and optical quality demanded by professional productions. Producing light output comparable to a 2kW tungsten Fresnel, it combines impressive brightness with outstanding color fidelity, featuring an exceptional CRI ≥98 and a tunable white range of 2800K–6500K. FRESNEL 300Z T also features a DMX-controlled 8°–60° motorized zoom paired with the classic optical characteristics of a true Fresnel lens, the fixture delivers a clean, uniform field, smooth falloff, natural wrap, and beautifully controlled shadow transitions that create depth, texture, and a flattering, cinematic quality of light. Built into a lightweight yet rugged metal housing, the FRESNEL 300Z T is an ideal solution for studios, theatres, houses of worship, live productions, and exhibition lighting where powerful output, superior beam control, and uncompromising light quality are essential.

Applications

- Studio Production
- Theatres
- Lecture Halls
- Corporate Media
- Educational Facilities
- Museums and Galleries
- Houses of Worship
- Trade Shows
- Live Event Production



House of Worship



Studio



Theatre Productions

Technical Specifications

Control and Programming
Modes: DMX, RDM, Menu, Rotary
DMX Channel: 3/6

Optics
Light Source: 300W+300W Warm+Cool LEDs
Color Temperature: 2800°- 6500°K Adjustable
Zoom Range: 8°- 60° Motorized
LED Life: 50,000 Hours
Dimming: 0-100% Linear, 5 Curves
Frequncy Adjustment: 1.2 - 24.0 kHz
Benchmarks: CRI≥97, TLCI≥98, CQS≥94
TM30 Rf ≥91, TM30 Rg ≥100

Included Accessories
Barn Door
Gel Frame
Safety Cable
Edison to PowerCON Cable

Power Requirements
Peak Power Consumption: 650VA
Mains: AC 100-240V, 50/60Hz
Power Linking: 4 Units maximum

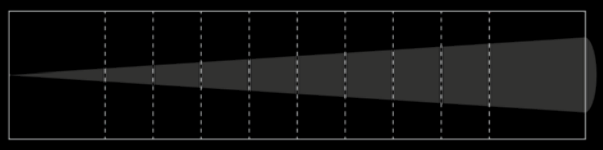
Connections
Data: Locking 3-pin & 5-pin XLR in/out
Power: Seetronic PowerCON in/out

Physical
Environmental Rating: IP20
Dimensions (LxWxH): 460 x 320 x 440 mm
Construction: Aluminum, Matte Black
Menu: Numeric LED + Selector Buttons
Weight: 11 kg (24.2 lbs)

Warranty
2-year Limited Warranty
(parts & labor)

Photometric

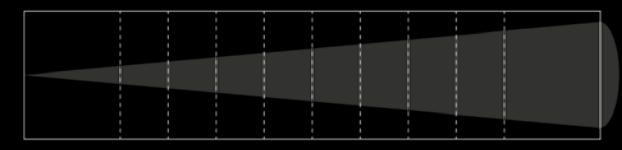
WW 2800K(lx)	57400	15300	6600	4100	2660	1900	1400	1050	850	700
CW 6500K(lx)	74700	20000	9400	5500	3600	2500	1900	1400	1100	950
Full on 4000k(lx)	74100	20200	9500	5540	3600	2500	1900	1400	1100	950



Distance(m)	1	2	3	4	5	6	7	8	9	10
Spot Diam(m)	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.53	2.8

Minimum Zoom (8°)

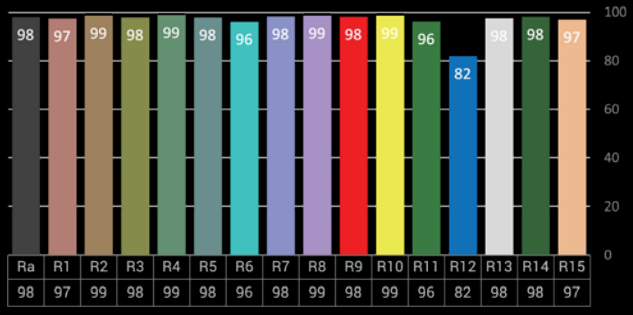
WW 2800K(lx)	18000	3900	1850	1100	800	600	480	360	290	255
CW 6500K(lx)	18200	5300	2500	1500	1060	800	630	500	400	340
Full on 4000k(lx)	18500	5300	2540	1550	1080	800	630	500	400	340



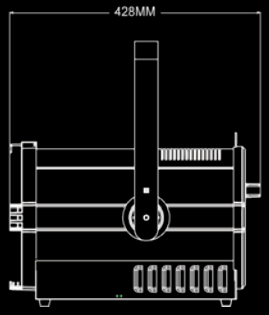
Distance(m)	1	2	3	4	5	6	7	8	9	10
Spot Diam(m)	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9.0

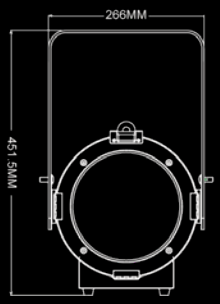
Maximum Zoom (60°)

Color Rendition | 4000K



Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98	97	99	98	99	98	96	98	99	98	99	96	82	98	98	97













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Designed and Engineered in