

Application

Beam style	variable-spread, soft-edged beam
Suitable for	theatres, TV studios, architectural and commercial applications
Specification level	professional range
Beam angle	12°- 55°
Typical throw distance	2 – 10m

Electrical specifications

Light source	89W LED, white
Supply Volts	100/260V AC single phase
Frequency / Current	50/60Hz – 0.3A
Power consumption	100W at full power
Cable/connection	Neutrik powercon IN and OUT
Standards Compliance	EN60598-2-17, CE marked

Mechanical specifications

Lamp House Construction	extruded aluminium and sheet steel
Mounting & suspension	steel stirrup 12mm centre hole + DIN mounting.
Handle	rear
Weight/Packed weight	5,9 kg / 7,10kg
Colour frame + safety guard	metal, 150 x 150mm, supplied

Operational specifications

Focus adjustment	screw focus with control at rear
Beam Shaping	using barndoor accessory
DMX channels / connection	1 to 4 / XLR5 connectors, IN/OUT
Dimmer module	PWM (Pulse Width Modulation), 8 or 16 bits
Dimming	manual, from rear panel or remote, through control desk via DMX signal
LED temperature	built-in sensor for real time monitoring
Ambient temperature	35°C max.
Fan speed control	automatically set and controlled
Fade curves	4 curves (linear, square, LED-HAL, User 1)
LED Frequency	LED frequency controls for TV cameras ranging from 3KHz to 460Hz. Manually selectable from rear panel or remotely controlled through DMX

Optical specifications

Optical system	120mm diameter Fresnel lens
LED array	89W, white, round-shaped, replaceable
Rated LED life	25,000 hours at 25°C
Beam colour temperature	3200K or 5600K
CRI (Colour Rendering Index)	>90

Accessories

Spare metal colour frame	■ 20100103 □ 20100103B □ 20100103C
Safety guard	■ 20100203 □ 20100203B □ 20100203C
4-leaf barndoor	■ 20100301 □ 20100301B □ 20100301C
Hook clamp	20100900 Safety bond 20101300

Photometric data

Spot											3200K
Beam dia.	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1	m	
lux	8075	4033	2269	1452	1008	741	567	448	363		
Distance	2	3	4	5	6	7	8	9	10	m	

Flood											
Beam dia.	2.1	3.1	4.2	5.2	6.2	7.3					m
lux	2875	1278	719	460	319	235					
Distance	2	3	4	5	6	7					m

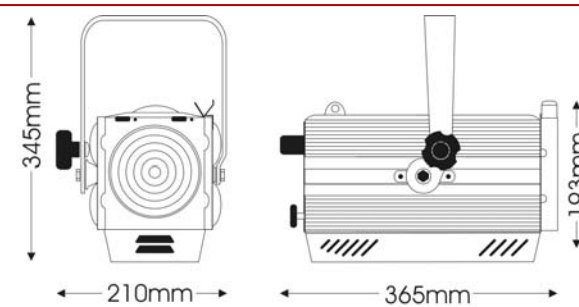
Spot											5600K
Beam dia.	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1	m	
lux	14716	6539	3678	2354	1635	1201	920	727	589		
Distance	2	3	4	5	6	7	8	9	10	m	

Flood											
Beam dia.	2.1	3.1	4.2	5.2	6.2	7.3					m
lux	3500	1556	875	560	389	286					
Distance	2	3	4	5	6	7					m

cetra f100

100W, 100/260VAC, DMX512
led fresnel luminaire

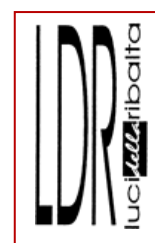
part # ■ 01101000 □ 01101001 □ 01101002 3200K
part # ■ 01101100 □ 01101101 □ 01101102 5600K



Stylish, compact and extremely high efficiency 100W led fresnel luminaire featuring a PWM dimming power source.

Cetra is ideal in all those applications where heat and energy saving are a concern. Its attractive design makes it the obvious choice in shop displays, art displays and architectural applications where a theatrical-type luminaire is needed.

Cetra is available in 3200K and 5600K white light. A full range of accessories complements the range.



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