



GENERAL INFORMATION

The Relevé Spot from ETC brings the color quality, control, and consistency of the ETC LED product lines to the automated lighting world. Relevé Spot builds on the legendary color control of the ETC LED technology and provides a reliable, full-featured automated fixture of the highest quality.

APPLICATIONS

- Houses of worship
- Universities and schools
- Hospitality
- Retail
- Exhibition centers
- Clubs
- Cafeteriums

PRODUCT FEATURES

- Additive LED RGIL (ColorSource Deep Blue) system creating strong saturated colors and warm/cool white output
- Brightness over 6,000 lumens
- Crisp gobo projection with five rotating/indexing gobos
- 18-54° zoom range that covers the most popular ellipsoidal field angles
- Ani-gobo breakup and effect wheel allows for a variety of beam breakups as well as spectacular fire, water, and leaf effects
- Excellent variable frost that perfectly emulates common theatrical frost
- Whisper Home - instant pan and tilt calibration/homing at boot with minimal movement
- Extremely quiet operation

ORDERING INFORMATION

Relevé Spot Luminaire

MODEL	DESCRIPTION
RELSPOT	Relevé Spot Automated Luminaire, Black

Note: Includes two (2) clamp mounting rails.

Accessories

MODEL	DESCRIPTION
DPA-A	5 ft powerCON® to parallel blade U-ground (Edison) connector
DPA-B	5 ft powerCON® to 20A two-pin and ground (stage pin) connector
DPA-C	5 ft powerCON® to grounded 20A Twist-Lock® connector
DPA-X	5 ft powerCon to bare-end power input lead
PSF1131	Mega-Coupler™
PSF1133	Mega-Claw™
PSF1135	Trigger Clamp™



PRODUCT SPECIFICATIONS

Source

LED details	52 Lumileds LUXEON® C LEDs
Maximum lumens	6,000
Lumens per watt	33
L70 rating (hours to 70% output)	50,000 hours

Color

Colors used	Red, Green, Indigo, and Lime
Color temperature range	2700K - 7000K
Calibrated array	Yes
Red shift	No
Notes	See page 6 for color rendering information

Optical

Beam angle range	18° - 54°
Gate size	44 mm
Aperture size	160 mm
Pattern projection	Rotating and indexable wheel with five (5) patterns plus open Ani-gobo wheel with six (6) patterns plus open includes interconnecting art between patterns
Frost	Theatrical Light Frost See page 8 for additional options
Iris	20-blade iris
Camera flicker control/Hz range	1,200 Hz (default) and 25,000 Hz
Notes	See page 5 for additional photometric information

Control

Input method	DMX-512 input to 5-pin XLR
Protocols	DMX over RS-485
Modes (footprint)	Standard (20 channels) Direct (25 channels)
UI type	Black and white graphical UI with a five (5) button navigational control
Local manual control	Yes
Dimming performance	8-bit controlled with internal 15-bit smoothing

Electrical

Voltage range	100 V - 240 VAC, 50/60 Hz
Input method	powerCON in and thru
Fixtures per circuit	5 @ 120 V, 10 @ 240 V
Wattage (typical/standby)	265 W / 29 W
Current draw	See page 8 for full power table

Thermal

Ambient operating temp	0 - 40°C (32 - 104°F)
Fan (controllable)	Three modes (Standard, Studio, Off)
Droop compensation	Yes
Stationary dBA/Full RGB	30.7 dBA (Standard Mode)
Maximum BTU/hour	975

Physical

Range	540° pan, 270° tilt
Encoders	Whisper Home, motionless absolute encoders
Materials	Die-cast aluminum and plastic
Color options	Black
Mounting options	Any orientation
IP rating	IP20
Weight	67 lb (30.4 kg)
Included accessories	Two (2) clamp mounting rails
Notes	See page 8 for dimensions

Warranty

Full luminaire	Three (3) years
LED array	Ten (10) years

Regulatory & Compliance

Regulatory standards	ETL Listed Conforms to UL STD. 1573 Certified to CSA STD. C22.2 No: 166 CE
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Safety

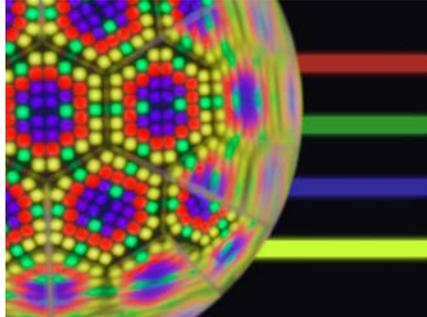
Safety	Minimum distance to illuminated surface = 2.0 m Minimum distance from fixture head to combustible materials = 0.1 m
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PRODUCT FEATURES



MOTIONLESS HOMING

Due to its patent-pending design, Relevé Spot requires almost no movement for positional homing, and the complete process takes less than twenty (20) seconds.



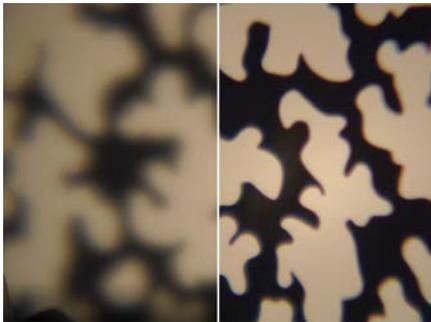
COLOR

Groundbreaking new light engine gives more punch across the color spectrum without losing light in pastel and saturated colors.



VERSATILE PATTERN PROJECTION

Relevé Spot luminaire includes eleven (11) unique patterns plus the ability to swap patterns on the five (5) position rotating gobo wheel with stainless steel or glass gobos.



THEATRICAL LIGHT FROST

Featuring a perfectly soft and subtle theatrical frost that flawlessly enters the beam evenly, and with absolutely no artifacts or reflections.



THE BEST LED WARRANTY - BAR NONE

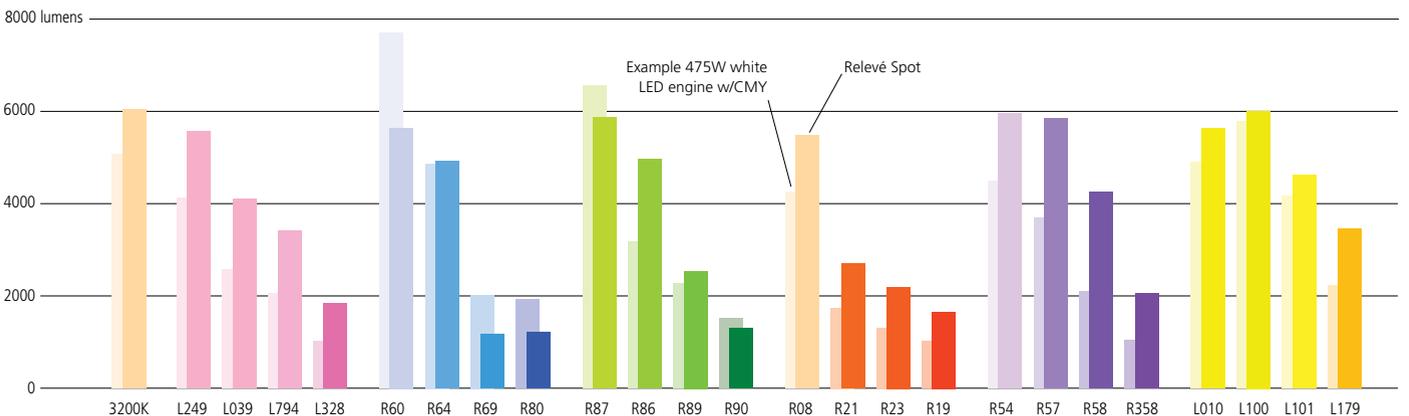
Our stringent requirements for the highest LED quality and thermal management mean that your luminaire is protected by the longest and most comprehensive warranty in the industry.



MODULARITY - SUPPORTED BY ETC

Each component has been engineered around modularity and serviceability to provide ease of maintenance and service to users with all levels of experience.

COLORFUL AND POWERFUL



Built into the theatrical roots of the Relevé Spot automated luminaire is the importance of perfect, powerful, and precise color creation. Due to its mighty and efficient additive color mixing system, the Relevé Spot is capable of out-performing common industry luminaires, and it uses less than half of the power draw in comparison. This powerful technology makes flawless color creation effortless and impactful.

GOBO INFORMATION

Rotating Gobo Wheel



1 - Ripple



2 - Rectangle



3 - Interlocking Breakup



4 - Misdirection



5 - Décor Grid

Rotating Gobo Dimensions

Outside diameter	45.5 mm (1.79 in)
Image diameter	36 mm (1.42 in)
Materials	0.2 mm stainless steel 1.1 mm Borofloat® glass

Ani-gobo Wheel

	<p>Custom designed wheel with six (6) distinct breakup patterns. Usable for</p> <ul style="list-style-type: none"> - Indexed standard breakups - Animation effects - Graphical transitions - Gobo morphing - Out of focus pattern effects
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PHOTOMETRY INFORMATION

Relevé Spot - Color Temperature 3200K

Mode	Degree	Candela	Field Lumens	Power Consumption	Lumens per Watt
Narrow	18	67,002	5,078	168 W	30.23
Medium	36	22,921	5,489	168 W	32.67
Wide	54	11,533	5,554	168 W	33.06

Relevé Spot - Color Temperature 5600K

Mode	Degree	Candela	Field Lumens	Power Consumption	Lumens per Watt
Narrow	18	58,588	4,539	155 W	29.28
Medium	36	20,097	4,848	155 W	31.28
Wide	54	10,196	4,941	155 W	31.88

Narrow Zoom - 18°

Throw distance (d)	10 ft	15 ft	20 ft	25 ft	188.7 ft
	3.0 m	4.6 m	6.1 m	7.6 m	57.5 m
Field diameter	6.5 ft	9.8 ft	13 ft	16 ft	123 ft
	2.0 m	2.9 m	3.9 m	4.9 m	37.4 m
Illuminance (fc)	657	292	164	105	1.8
Illuminance (lux)	7070	3142	1768	1131	20

Narrow Zoom - 18°

Throw distance (d)	10 ft	15 ft	20 ft	25 ft	188.7 ft
	3.0 m	4.6 m	6.1 m	7.6 m	57.5 m
Field diameter	6.5 ft	9.8 ft	13 ft	16 ft	123 ft
	2.0 m	2.9 m	3.9 m	4.9 m	37.4 m
Illuminance (fc)	585	260	147	94	1.6
Illuminance (lux)	6306	2803	1577	1009	18

Medium Zoom - 36°

Throw distance (d)	10 ft	15 ft	20 ft	25 ft	188.7 ft
	3.0 m	4.6 m	6.1 m	7.6 m	57.5 m
Field diameter	14.5 ft	21.8 ft	29 ft	32 ft	274 ft
	4.4 m	6.64 m	8.8 m	11 m	83.5 m
Illuminance (fc)	229	102	57	37	0.64
Illuminance (lux)	2467	1097	617	395	7

Medium Zoom - 36°

Throw distance (d)	10 ft	15 ft	20 ft	25 ft	188.7 ft
	3.0 m	4.6 m	6.1 m	7.6 m	57.5 m
Field diameter	14.5 ft	21.8 ft	29 ft	32 ft	274 ft
	4.4 m	6.64 m	8.8 m	11 m	83.5 m
Illuminance (fc)	201	89	50	32	0.56
Illuminance (lux)	2163	961	541	346	6

Wide Zoom - 54°

Throw distance (d)	10 ft	15 ft	20 ft	25 ft	188.7 ft
	3.0 m	4.6 m	6.1 m	7.6 m	57.5 m
Field diameter	27.4 ft	41.2 ft	55 ft	68.9 ft	519.4 ft
	8.4 m	12.6 m	16.8 m	21 m	158.3 m
Illuminance (fc)	115	51	29	19	0.32
Illuminance (lux)	1241	552	310	199	3

Wide Zoom - 54°

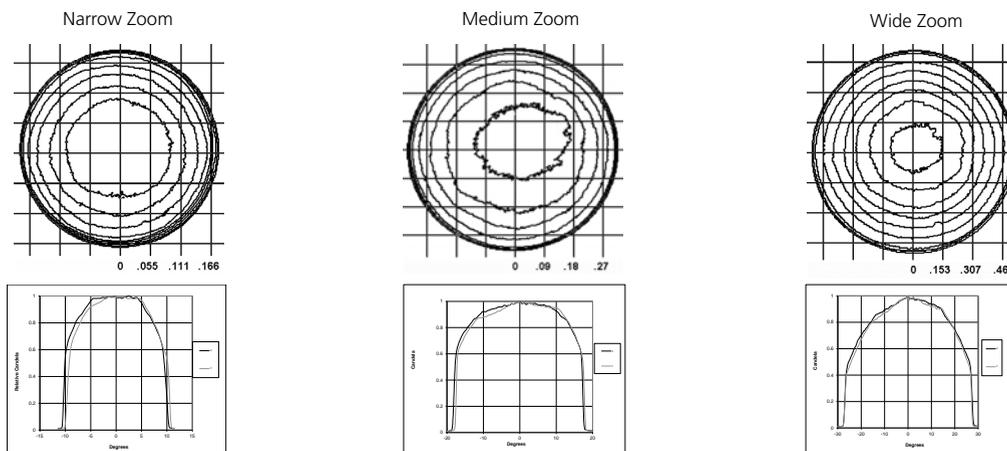
Throw distance (d)	10 ft	15 ft	20 ft	25 ft	188.7 ft
	3.0m	4.6m	6.1m	7.6m	57.5m
Field diameter	27.4 ft	41.2 ft	55 ft	68.9 ft	519.4 ft
	8.4m	12.6m	16.8m	21m	158.3m
Illuminance (fc)	102	45	26	16	0.28
Illuminance (lux)	1097	488	274	176	3

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared

For field diameter at any distance, multiply distance by 0.491

For beam diameter at any distance, multiply by 0.274

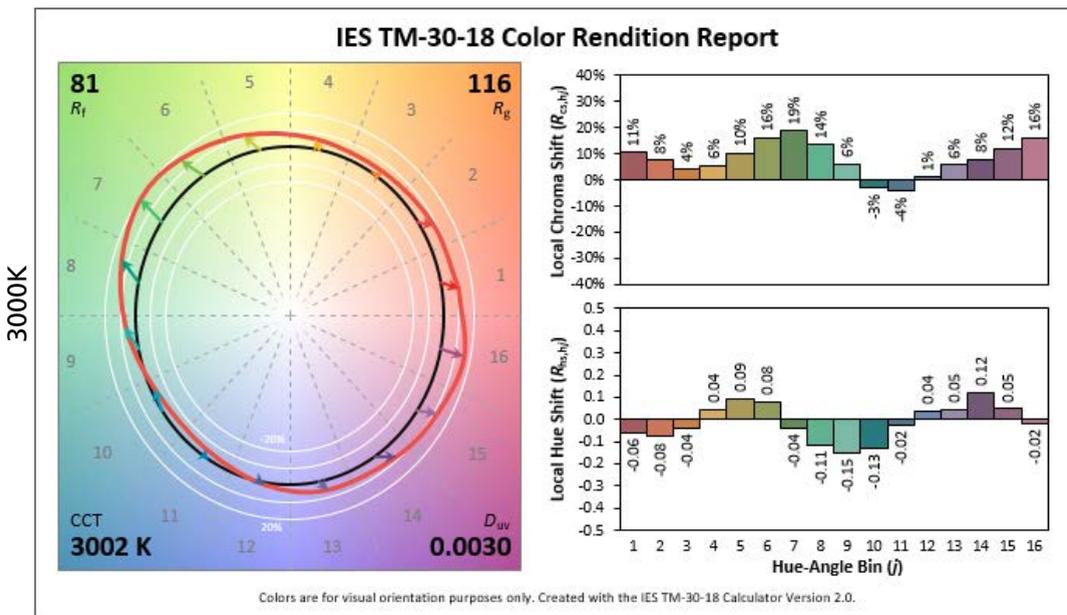
Metric conversions: For meters, multiply feet by 0.3048
For lux, multiply footcandles by 10.76



COLOR METRIC INFORMATION

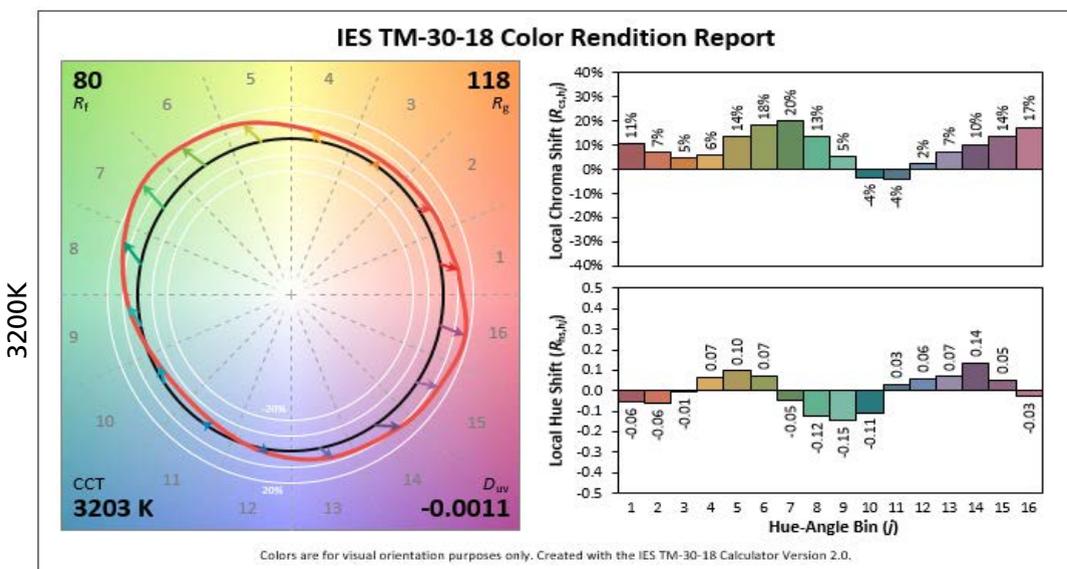
The all new LED engine in the Relevé Spot is designed to give bright and vibrant colors in every combination. By building a light engine with a custom array of LED colors, ETC has designed the Relevé Spot luminaire to produce the brightest reds, most vibrant greens, and deepest indigos, and has included the extreme power of a wide-band lime emitter to tie the whole spectrum together. But that is only the beginning, because of the unique and industry-leading additive color mix that ETC provides, the luminaire adds more and more colors of light together as you create and tune your favorite colors instead of subtracting light by using multiple layers of glass filters.

Whether you are choosing your favorite gel colors, matching a color on your stage, or tuning the perfect hue of every color in your imagination, the additive power of the Relevé Spot's color mixing system will have you swearing it uses three to four times more power than its extremely efficient 180 watts.



Additional Color Metrics

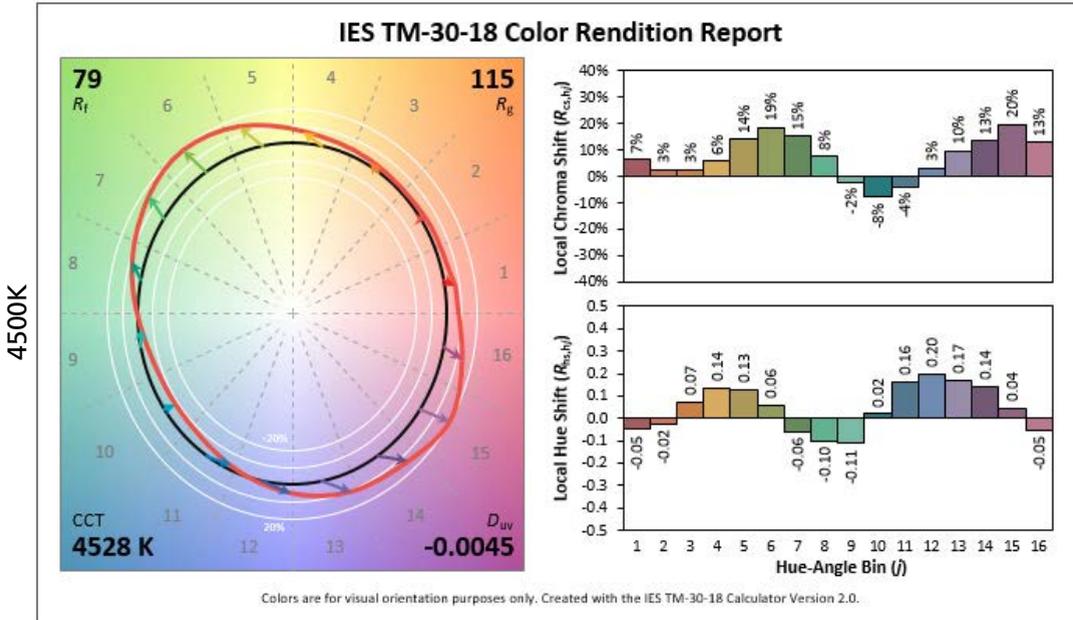
3000K	
CRI R _a (R ₉)	75 (8)
TLCI	56



Additional Color Metrics

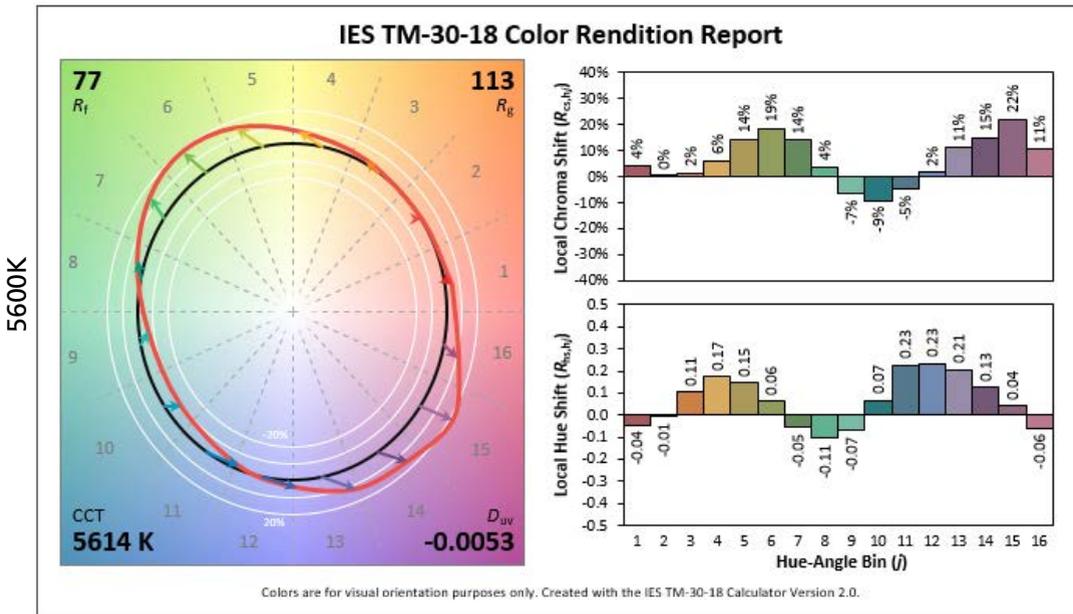
3200K	
CRI R _a (R ₉)	75 (8)
TLCI	56

COLOR METRIC INFORMATION



Additional Color Metrics

4500K	
CRI R_a (R_9)	79 (38)
TLCI	63



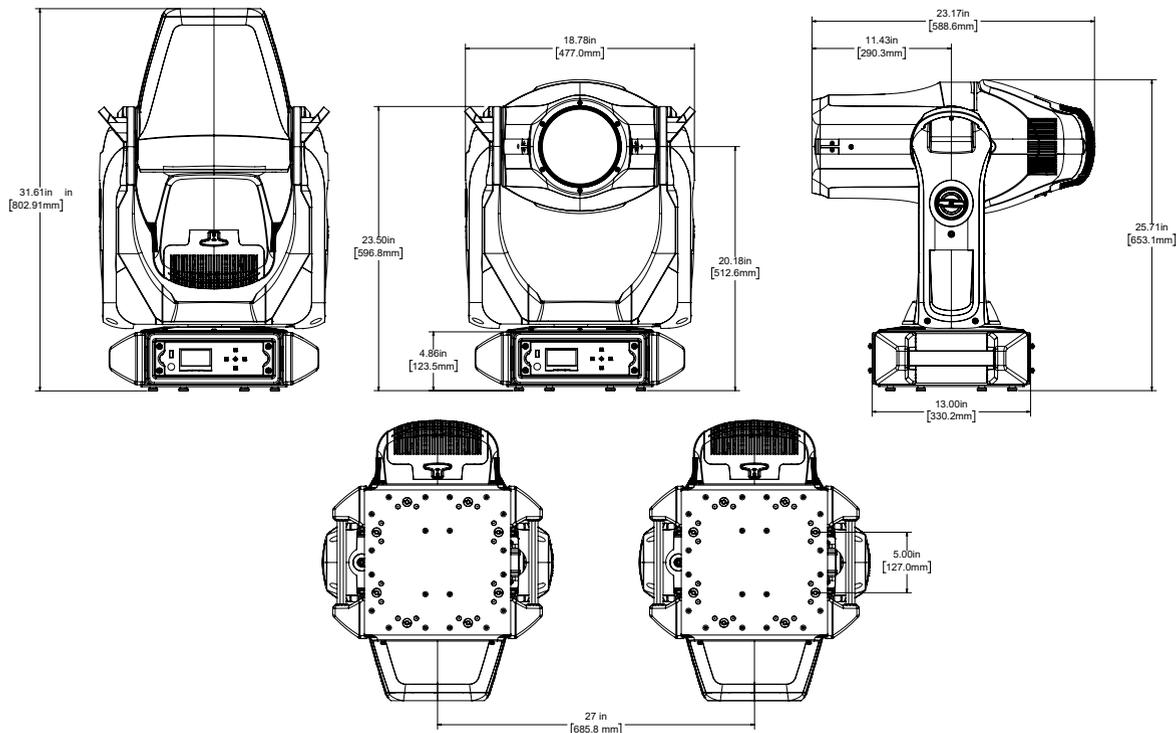
Additional Color Metrics

5600K	
CRI R_a (R_9)	79 (57)
TLCI	67

Dimensions

MODEL	HEIGHT		WIDTH		DEPTH		WEIGHT	
	in	mm	in	mm	in	mm	lb	kg
Relevé Spot*	31.6	803	18.8	477	13.0	330	67	30.4
Relevé Spot in box	35.6	905	22.7	577	17.5	445	75	34.0

*Does not include mounting hardware



Additional Accessories

MODEL	DESCRIPTION
RELFROST114	Optional frost accessory (R114), not installed
RELFROST119	Optional frost accessory (R119), not installed
RELFROST132	Standard frost accessory (R132)
RELTOPHAT	Top hat
RELGOBOKIT	Gobo carrier kit
400SC	Galvanized safety cable w/ spring snap

Relevé Spot Power Table

VAC	AMPS	Hz	WATTS	VA	PF
100	2.62	50	259.9	272.2	0.99
100	2.63	60	260.9	264.5	0.99
120	2.18	60	262.5	264.3	0.99
200	1.28	50	253.1	258.4	0.97
208	1.23	60	251.2	252.4	0.98
220	1.17	50	255.6	261.8	0.96
240	1.10	60	252.2	270.5	0.95



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