



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 builds on the legendary color control of ETC's LED products and provides a reliable, full-featured automated fixture of the highest quality.

APPLICATIONS

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

PRODUCT FEATURES

- Brightness of up to 6,000 lumens
- Additive LED RGIL (ColorSource Deep Blue) system creating strong saturated colors and warm/cool white output
- Crisp gobo projection with five rotating/indexing dichroic gobos
- 18-54° zoom range that covers the most popular ellipsoidal field angles
- Ani-gobo breakup and effect wheel enables 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 fixture movement
- Extremely quiet operation

ORDERING INFORMATION

Relevé Spot Luminaire

MODEL	DESCRIPTION
RELSPOT	Relevé Spot Automated Luminaire, Black
RELSPOT-1	Relevé Spot Automated Luminaire, White
RELCASE	Road Case for Relevé Spot

Notes: Fixture includes two (2) Clamp Rails.

Accessories

Model #	Description
7410B7037-A	Fixture Power Cord upgrade, Black, 5-15 Edison to powerCON
7410B7037-B	Fixture Power Cord upgrade, Black, Stage Pin to powerCON
7410B7037-C	Fixture Power Cord upgrade, Black, 5-20 Twistlock to powerCON
7410B7037-X	Fixture Power Cord upgrade, Black, bare ends to powerCON
PSF1131	Mega-Coupler™
PSF1133	Mega-Claw™
PSF1135	Trigger Clamp™



PRODUCT SPECIFICATIONS

Source

LED details	52 Lumileds LUXEON® C LEDs
Max lumens	6,000
Lumens per watt	33
L70 rating (hours to 70% output)	36,000 hours (estimate pending testing data)

Color

Colors used	Red, Green, Indigo, and Lime
Color temperature range	2700 K - 7000 K
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 Additional accessories available
Iris	20 Blade Iris
Camera flicker control/Hz range	1,200Hz (default) and 25,000Hz (via RDM)
Notes	See page 5 for additional photometric information

Control

Input method	DMX-512 via 5-pin XLR
Protocols	DMX via RS-485
Modes (footprint)	Standard (20) Direct (25)
UI type	Black and White graphical UI with 5 button navigational control
Local control	Yes
Dimming Performance	8-bit controlled with internal 15-bit smoothing

Electrical

Voltage range	100V - 240VAC, 50/60Hz
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 7 for full power table

Thermal

Ambient operating temp	0 to 40° C (32 to 104° F)
Fan (controllable)	Three Modes (Standard, Studio, Off)
Droop compensation	Yes
Stationary dBA/Full RGB	32.3 dba (Standard Mode)
Max BTUs/hour	975

Physical

Pan and Tilt Range	540 Pan, 270 Tilt
Max Pan/Tilt Speed	
Encoders	Whisper Home, motionless absolute encoders
Materials	Die-cast aluminum and plastic
Color options	Black or White
Mounting options	Any orientation
IP rating	IP-20
Weight	67 lb (30.4 kg)
Included accessories	Two (2) Clamp mounting rails
Notes	See page 6 for dimensions

Warranty

Full Fixture	Two (2) years
LED Array	Five (5) years

Regulatory & Compliance

Approved Regulatory Standards	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 = 2.0m Minimum distance from fixture head to combustible materials = 0.1m
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GOBO INFORMATION

Rotating Gobo Wheel



1 - Ice



2 - 31 Rectangle



3 - Interlocking Breakup



4 - Sticks

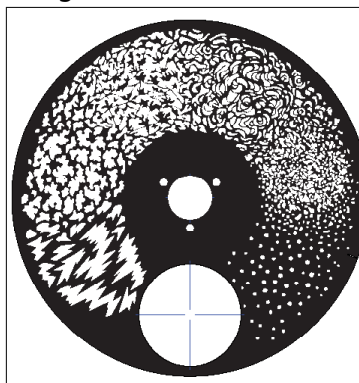


5 - Geometric

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 Glass Borofloat

Ani-gobo Wheel



Custom designed wheel with six (6) distinct breakup patterns. Usable for

- Indexed Standard Breakups
- Animation Effects
- Graphical Transitions
- Gobo Morphing
- Out of Focus pattern effects

PHOTOMETRY INFORMATION

Relevé Spot - Color Temperature 3200k

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

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

Narrow Zoom - 18 Degrees

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

Medium Zoom - 36 Degrees

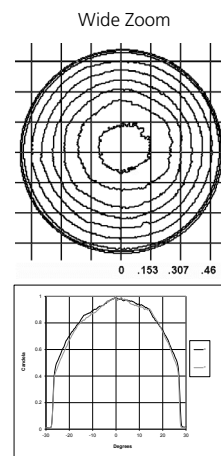
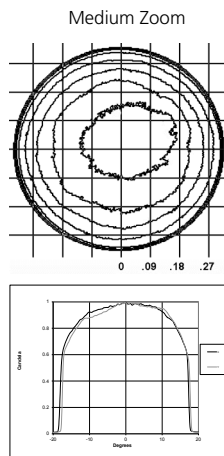
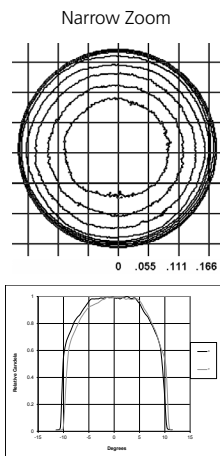
Throw Distance (d)	10ft 3.0m	15ft 4.6m	20ft 6.1m	25ft 7.6m	188.7ft 57.5m
Field Diameter	14.5ft 4.4m	21.8ft 6.64m	29ft 8.8m	32ft 11m	274ft 83.5m
Illuminance (fc)	229	102	57	37	0.64
Illuminance (lux)	2467	1097	617	395	7

Wide Zoom - 54 Degrees

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



Relevé Spot - Color Temperature 5600k

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

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

Narrow Zoom - 18 Degrees

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

Medium Zoom - 36 Degrees

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

Wide Zoom - 54 Degrees

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

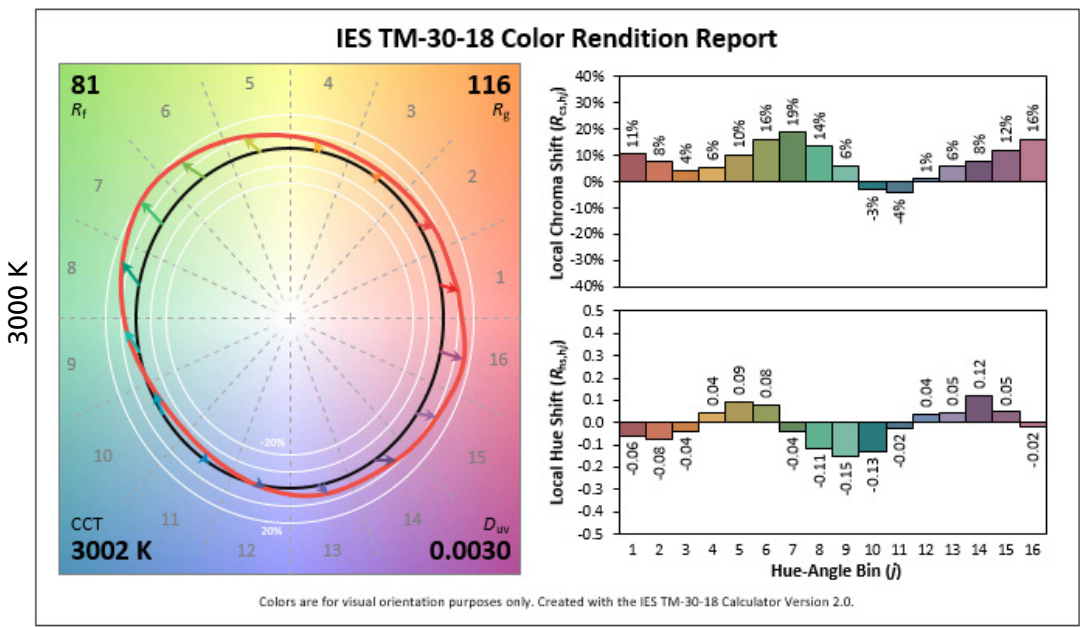
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared

For field diameter at any distance, multiply distance by 0.491
For beam diameter at any distance, multiply by 0.274

COLOR METRIC INFORMATION

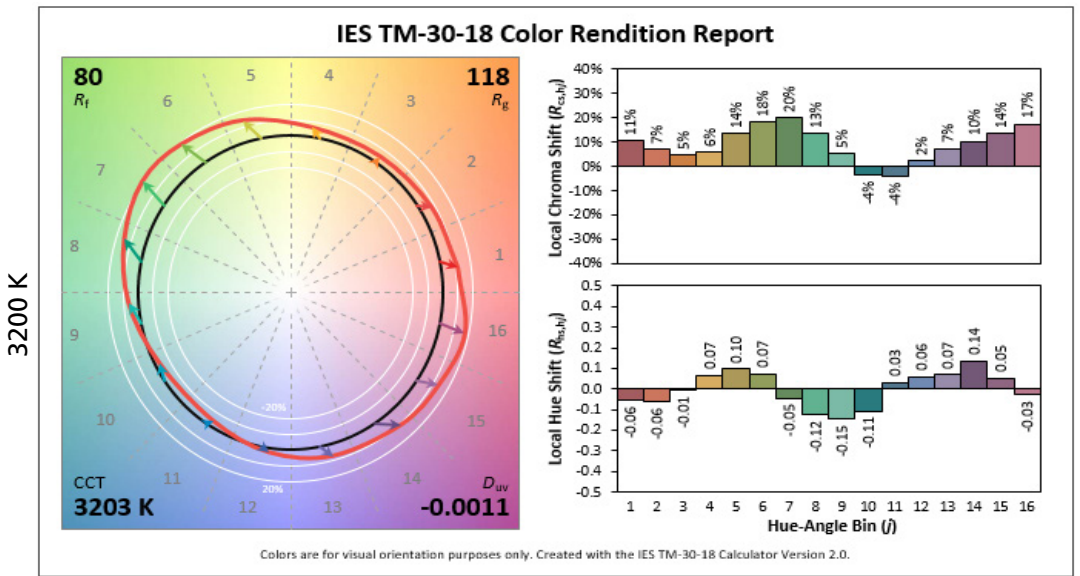
The Relevé Spot's all new LED engine is designed to give bright and vibrant colors in every combination. By building a light engine with a custom array of LED colors, ETC has designed the fixture for the brightest reds, most vibrant greens, deepest indigos, and the extreme power of a wide-band lime emitter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

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



Additional Color Metrics

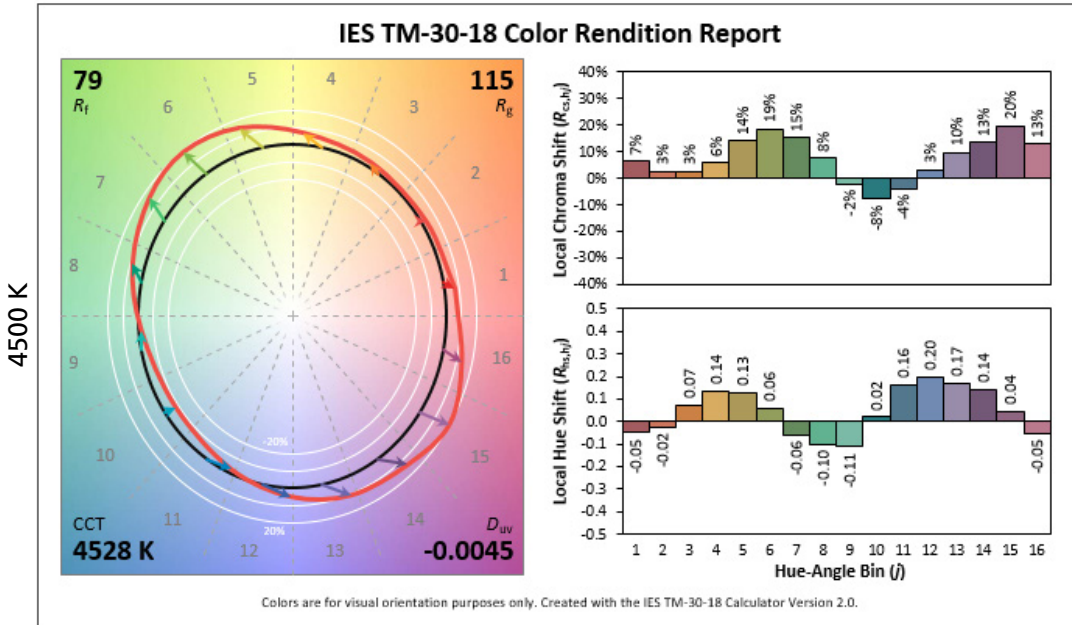
3000 K	
CRI R_a (R_g)	75 (8)
TLCI	56



Additional Color Metrics

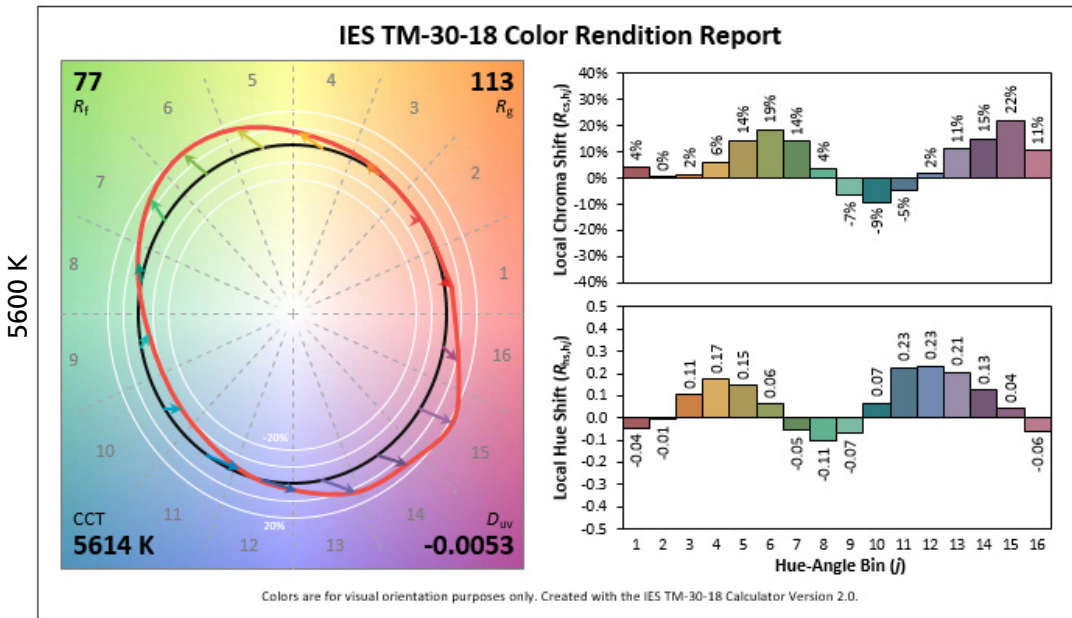
3200 K	
CRI R_a (R_g)	75 (8)
TLCI	56

COLOR METRIC INFORMATION



Additional Color Metrics

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



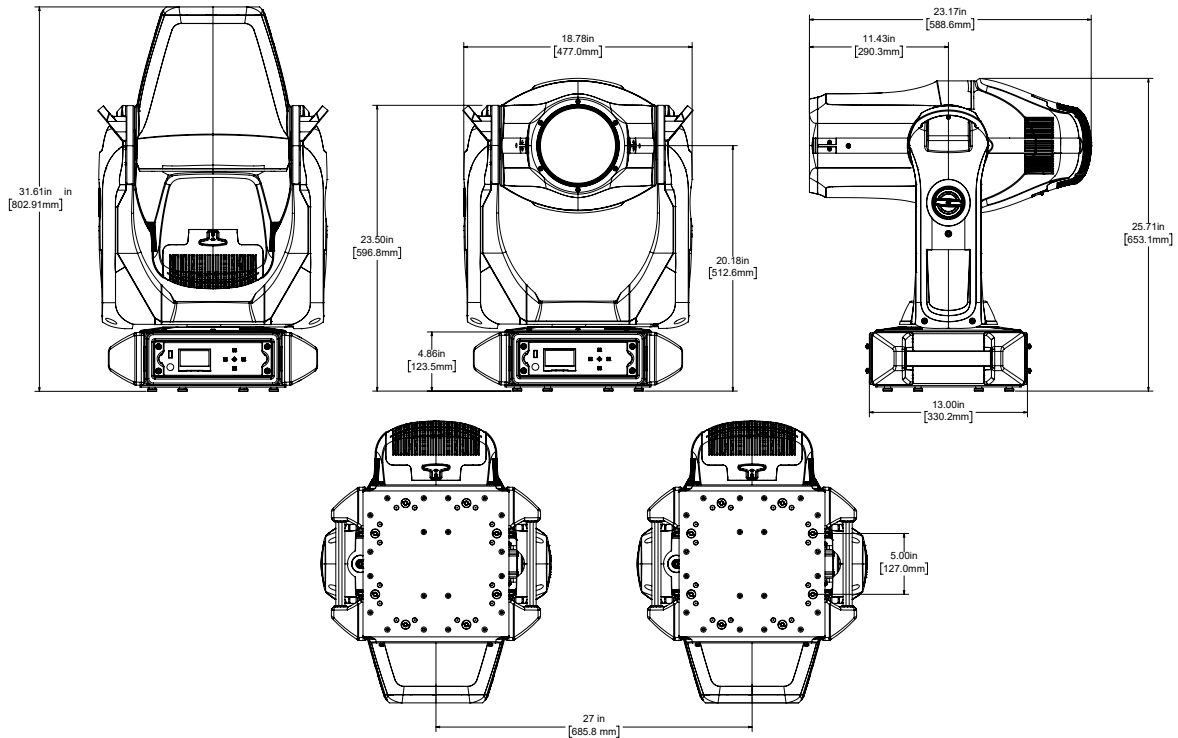
Additional Color Metrics

5600 K	
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
Relevé Spot in Roadcase	41.8	1061	22.0	559	26.8	680	200	90.7

*Does not include mounting hardware



Additional Accessories

MODEL	DESCRIPTION
RELFROST114	Optional Frost Accessory (R114), Not installed
RELFROST119	Optional Frost Accessory (R119), Not installed
RELFROST124	Optional Frost Accessory (R124), Not installed
RELFROST132	Standard Frost Accessory (R132)
RELTOPHAT	Top Hat
RELGOBOKIT	Gobo Carrier Kit
7060A1022	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



Corporate Headquarters • Middleton, WI USA

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