

INFINITY

200 COLOR

INFINITY 200 LED PANEL RGBW



INFINITY COLOR is a professional RGBW LED soft light designed for television studios, film and video production, live broadcasting and Pro-AV applications.

Its advanced RGBW LED engine combines high-quality tunable white light with full-color capabilities, delivering a soft and uniform beam, natural skin tones and accurate color reproduction. In addition to continuously adjustable color temperature and green/magenta correction, INFINITY COLOR provides precise control of hue and saturation, allowing users to create anything from subtle pastel tones to rich, saturated colors.

Multiple color control modes and built-in lighting effects offer maximum creative flexibility, while high-resolution 16-bit dimming ensures smooth and accurate adjustment throughout the entire range, including at very low light levels. Adjustable PWM frequency provides flicker-free performance for broadcast and high-speed camera applications.

INFINITY range is equipped with a unique onboard accelerometer. The fixture's tilt angle is shown in real time on the display and can be memorized for quick, accurate and repeatable repositioning.

All functions can be managed directly from the intuitive onboard control panel or remotely via DMX and RDM. Designed and manufactured by Cosmolight in Italy, the INFINITY COLOR range combines professional light quality, reliable construction and easy operation for both studio installations and location work.



KEY FEATURES

- Advanced RGBW LED engine for high-quality white light and full-color output
- Continuously adjustable color temperature 2500 K – 10000 K
- Green/magenta correction
- High color rendition with excellent CRI, TLCI and TM-30 performance
- Onboard gel library, source emulation and lighting effects
- Smooth low-end dimming with no visible steps or color shift
- Adjustable PWM frequency for flicker-free camera operation
- Intuitive onboard control through graphic display and encoders
- Display positioned on the underside of the fixture, ensuring clear visibility from the studio floor.
- Control options via DMX, W-DMX, ArtNet, RDM
- Unique onboard accelerometer with tilt-angle display and position memory, ensuring accurate and repeatable repositioning
- Adjustable active cooling for quiet operation
- Designed and manufactured in Italy
- Stand alone lighting effect with customizable parameters
- Adjustable color wheel chromatic center



Control panel



Pole operated yoke



Manual operated yoke

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Specifications

SOURCE

Light source:	RGBW LED Light Engine
Color Rendition	CRI ≥ 95 @3200 K, ≥ 91 @5600 K TLCI ≥ 86 @3200 K, ≥ 90 @5600 K TM30 Rf ≥ 92 @3200 K, ≥ 86 @5600 K
Luminous flux	33303 lm @3200 K, 29613 lm @5600 K
Led control	Flicker free variable PWM 1000-25000 Hz
L70 rating (hours to 70% output)	> 50000 hours

COLOR SYSTEM

Color modes	CCT, HSI, RGBW, XY, Gel, Source Emulation
CCT	Variable CCT from 2500 K to 10000 K with full +/- Green

OPTICS

Beam angle	130° with standard diffusion
Lens type	Medium density diffusion panel
Aperture Size	483x296 mm

CONTROL OPTIONS

Protocols	ArtNet, DMX-512, RDM, CRMX
On-board control	Local control via push encoders, LCD graphic display and push buttons
Software interface	USB-C port, DMX XLR 5 pin connector

ELECTRICAL

Power consumption	200 W
AC Voltage range	100-240 Vac, 50/60 Hz
AC Power connection	PowerCON TRUE1 TOP in/out
DC Voltage range	48 Vdc (100% Output)
DC Power connection	XLR 4-pin
Signal connection	XLR 5-pin in/out connectors
Data connection	EtherCON RJ45 in (Optional)
Dimming	16 bit 0-100% high resolution low-end dimming

MECHANICAL

IP rating	IP20
Mounting options	Manual operated or pole operated yoke, 28 mm spigot
Weight	10,4 kg manual operated version 11,3 kg pole operated version
Cooling	Active, super silent operation with preset fan speed
Ambient operating temp	0° C / + 40° C
Housing material	Metal
Housing color	Black
Tilt angle	+/- 90°
Included accessories	Yoke with junior pin 28mm, front medium diffusion filter, NEUTRIK POWERCON TRUE1 power cord

ORDERING CODE

RC 5200C	Infinity 200 RGBW manual operated
RC 5202C	Infinity 200 RGBW pole operated

ADDITIONAL ORDERING CODE

RC 5200BB	Barndoor
RC 5200HC40	Honey Comb
FF3100	Studio pipe clamp 28mm
FF3871	Steel safety cable Ø4mm 70cm length

Photometrics data

TYPICAL PERFORMANCE BASED ON 3200 K - 5600 K - 200W

Distance		3 m		4 m		5 m		7 m		9 m	
CCT (Tunable from 2800 K to 6500 K)		3200 K	5600 K	3200 K	5600 K	3200 K	5600 K	3200 K	5600 K	3200 K	5600 K
OUTPUT MEDIUM	9180 cd (T)	1020 lx	907 lx	574 lx	510 lx	365 lx	327 lx	187 lx	167 lx	113 lx	101 lx
DIFFUSION	8163 cd (D)	95 fc	84 fc	53 fc	47 fc	34 fc	30 fc	17 fc	15 fc	11 fc	9 fc
Beam angle at 50% of center value											

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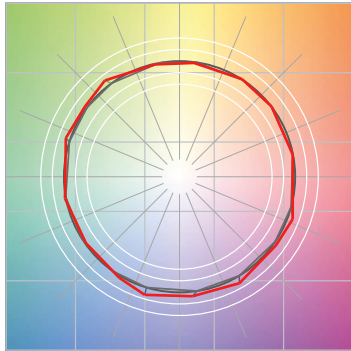
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Color information

TM-30 DETAILS 3200 K

IES TM-30-18 color rendition



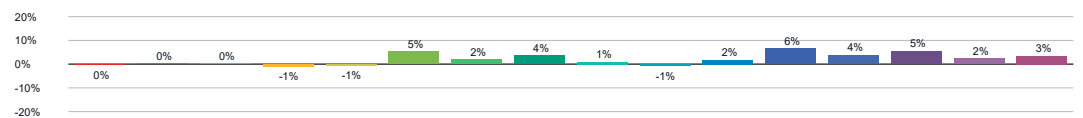
Rf 92,4

Fidelity index Rf

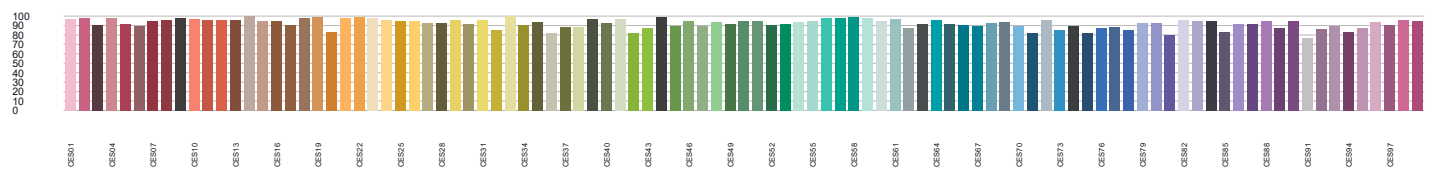
Rg 103,9

Gamut index

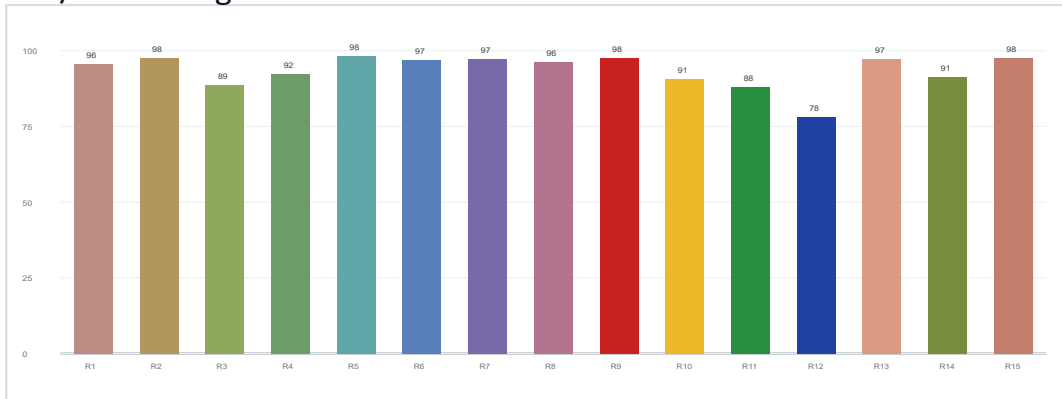
Chroma shift by hue



Fidelity index Rf



CRI / Rendering indexes 3200 K



Summary

CRI Ra

95,4

CRI R9

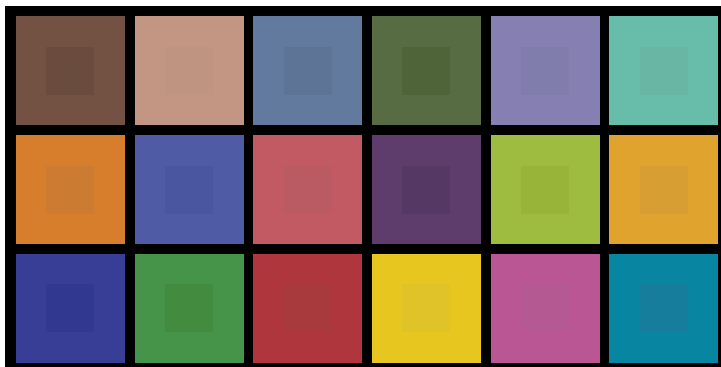
98

CCT Typ

3201 K

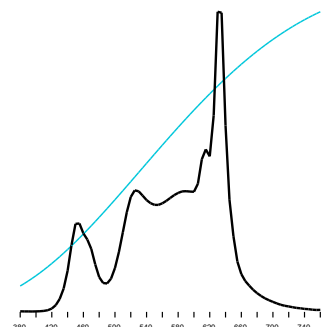
TLCI 3200 K

TLCI_3200K: CCT = 3201 Duv 0.000033



TLCI Qa: 86 (P3201)

Sector	Lightness	Chroma	Hue
R	0	0	0
R/Y	0	0	-
Y	0	0	+
Y/G	0	+	0
G	0	++	0
G/C	0	++	-
C	0	+	---
C/B	0	0	0
B	0	0	0
B/M	0	0	0
M	0	++	0
M/R	0	+	---



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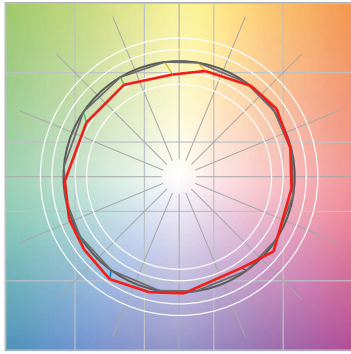
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Color information

TM-30 DETAILS 5600 K

IES TM-30-18 color rendition



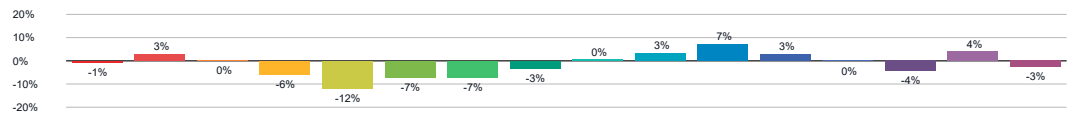
Rf 86,0

Fidelity index Rf

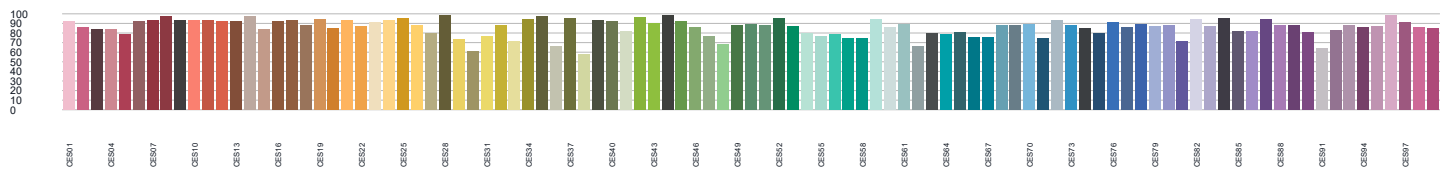
Rg 95,9

Gamut index

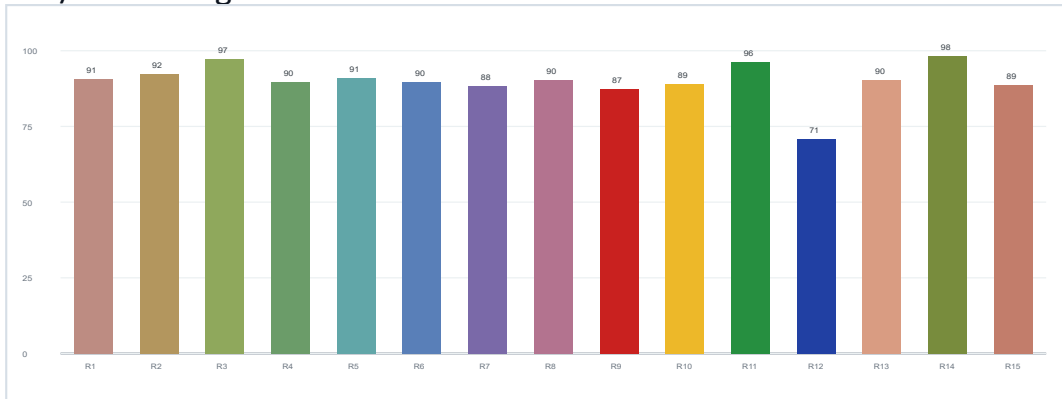
Chroma shift by hue



Fidelity index Rf



CRI / Rendering indexes 5600 K



Summary

CRI Ra

91,2

CRI R9

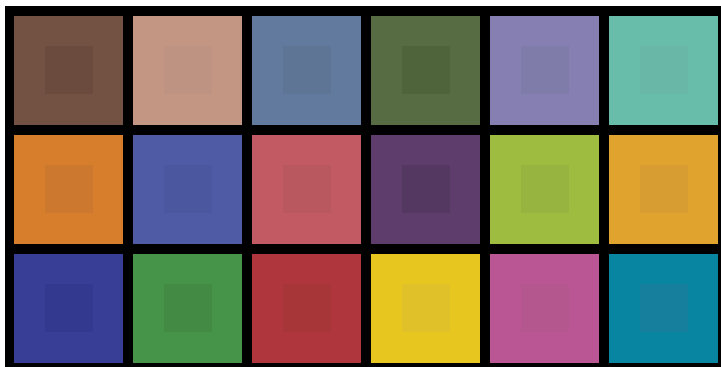
90

CCT Temp

5599 K

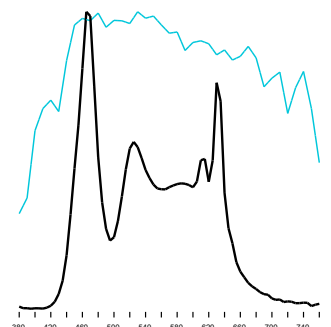
TLCI 5600 K

TLCI_5600K: CCT = 5599 Duv = 0.000078



TLCI Qa: 90 (P5599)

Sector	Lightness	Chroma	Hue
R	0	-	+
R/Y	0	0	0
Y	0	0	0
Y/G	0	0	0
G	0	0	+
G/C	0	0	0
C	0	-	++
C/B	0	0	0
B	0	+	+++
B/M	0	0	0
M	0	+	0
M/R	0	--	-



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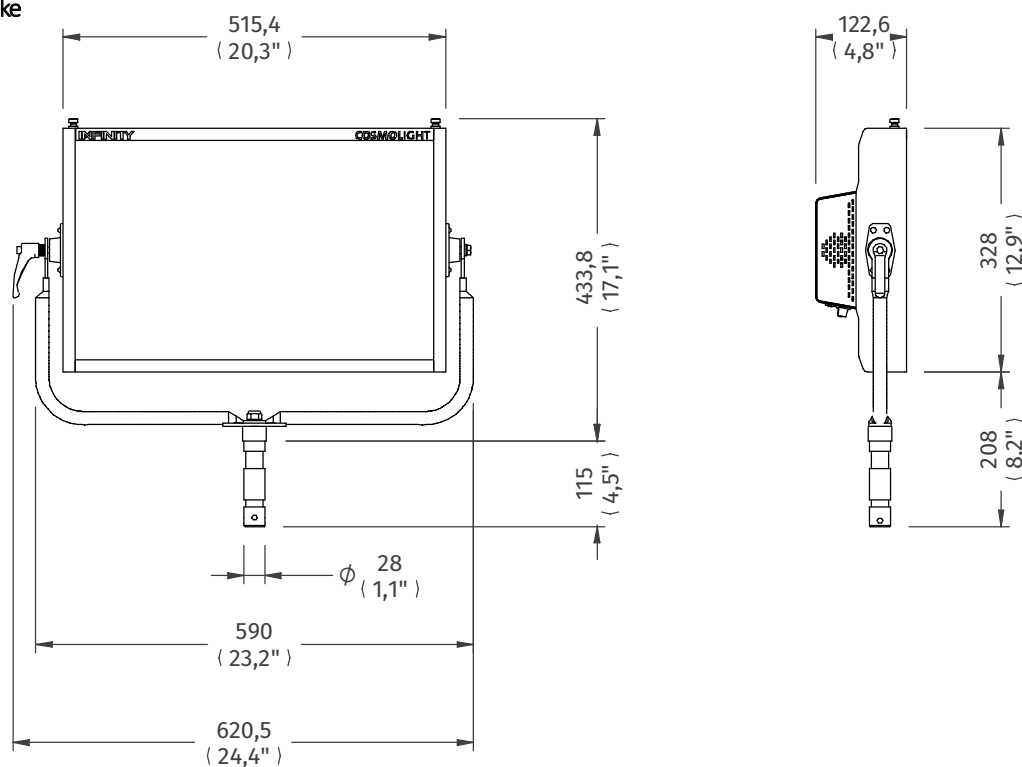
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COSMOLIGHT

Technical drawings

Manual Operated Yoke



Pole Operated Yoke

