GREENCREATIVE

TRUE CHROMA

Superior Color Accuracy

TRUE CHROMA, maintaining the highest standards!

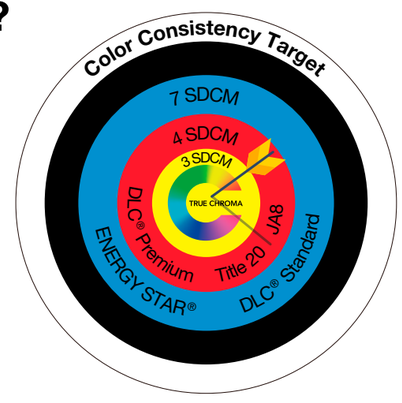
CRI ≥ 95 Rf ≥ 93 R9 ≥ 50 SDCM ≤ 3

Products with TRUE CHROMA will have the highest color accuracy standards per CRI and the new IES TM-30 method, which evaluates additional calculations when determining color accuracy.

Is precise color critical to your project?

LEDs used in TRUE CHROMA products are binned within 3 SDCM to guarantee consistent color

TRUE CHROMA products guarantee industry-leading color consistency level of SDCM≤3. One SDCM, also known as one step of MacAdam ellipse, defines a unit of 'just noticeable' color difference. The more the steps, the bigger the differences. Tighter tolerances shall and can be met, especially for applications where light color consistency is critical for creating overall appealing and aesthetic lighting environments, or in order to meet the expectations and requirements of lighting designers and end users.



Want exceptional color rendering?

TRUE CHROMA products utilize TM-30 test data to insure colors appear as intended in your application

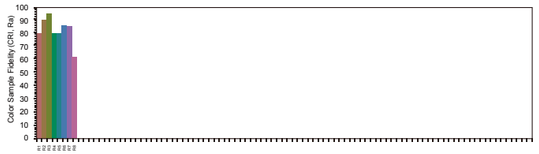
TRUE CHROMA products guarantee industry-leading color fidelity level of Rf ≥ 93 based on testing results of 99 color samples from TM-30. These color samples were statistically selected from a library of approximately 105,000 spectral reflectance function measurements for real objects, which included paints, textiles, natural objects, skin tones, inks, and more. Unlike the limited 8 color samples from CRI, the 99 wider color samples mitigate selective optimization, so the output values are a better prediction of real-world performance.

Typical 80 CRI

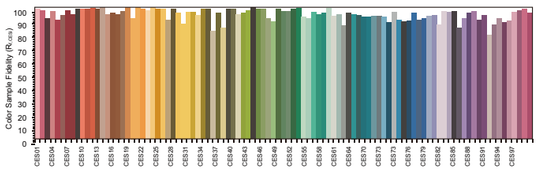
TRUE CHROMA

Rf 93

CRI 8 Color Samples



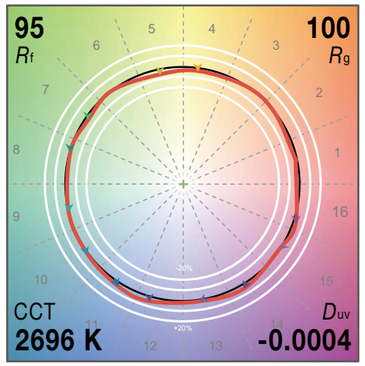
TM-30 99 Color Samples



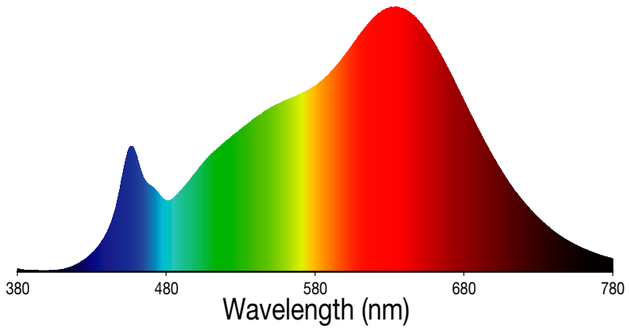
The best decisions are made with the best information!

All TRUE CHROMA products include complete TM-30 measures in their LM-79 reports

TM-30 metrics not only measures color fidelity (Rf) with 99 color samples, but also provide the result of color gamut (Rg) and a color vector graphic (CVG), thus a comprehensive tool for lighting designers to evaluate more aspects of color rendition for their best lighting decisions.



CVG — A visual representation of hue and saturation changes between the test source (red circle) and reference illuminant (the black circle)



TRUE CHROMA Series - SPECFIT Commercial Downlight

SPECFIT SERIES

Select Drive

TRUE CHROMA

HIGH CRI LED TECHNOLOGY

ENERGY STAR

ETL CLASSIFIED Intertek

Intertek

Both Retrofit and New Construction

Retrofit Round
4"/ 6"/ 8" / 9.5"

New Construction Round
4"/ 6"/ 8" / 9.5"

New Construction Square
4"/ 6"

Comprehensive Reflector Choices

4" ○ □ 6" ○ □ 8" ○ 9.5" ○

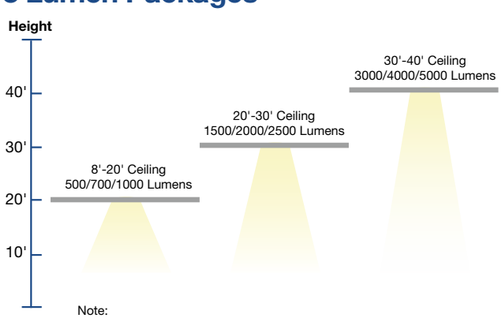
CC Clear Diffuse Trim and Flange

BL Matte Black Trim and Flange

WH Matte White Trim and Flange

CW Clear Diffuse Trim, White Flange

3 Lumen Packages



Note:
Small light engine is available for 4", 6" & 8" downlights.
Medium light engine is available for 4", 6", 8" & 9.5" downlights.
Large light engine is available for 6", 8" & 9.5" downlights.

Additional Controls

Standard Drivers

Select Drive

DIMMABLE DIMMABLE

Driver & Control Options

signify

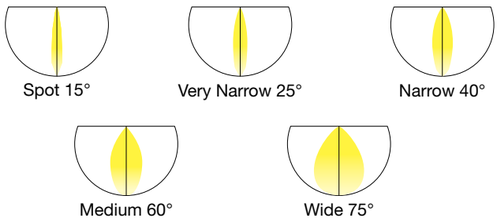
EasySense

eldoLED

enlighted A Siemens Company

LUTRON LIGHTING CONTROLS

Various Beam Angles and Color Temperatures with TRUE CHROMA in 3000K



Day Light 5000K	90+ CRI
Cool White Light 4000K	90+ CRI
Neutral White Light 3500K	90+ CRI
Warm White Light 3000K	TRUE CHROMA
Soft White Light 2700K	90+ CRI

TRUE CHROMA Series - PXCYL Cylinder Downlight

PXCYL SERIES

Select Drive

TRUE CHROMA

HIGH CRI LED TECHNOLOGY

ENERGY STAR

ETL Intertek

TITLE 24 JA8

Comprehensive Mounting Choices

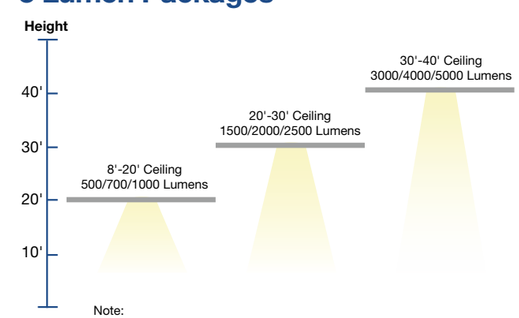
Pendant Suspension Surface Wall & Wall Uplight

Multiple Sizes

2" 4" 6" 8"

Coming Feb. 2022

3 Lumen Packages



Note:
Small light engine is available for 2", 4", 6" & 8" cylinders.
Medium light engine is available for 4", 6" & 8" cylinders.
Large light engine is available for 6" & 8" cylinders

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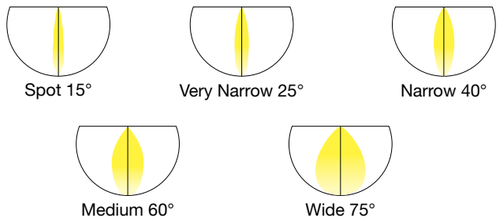

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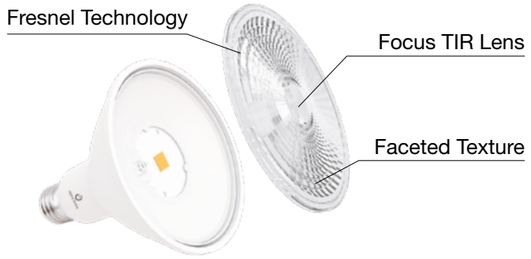
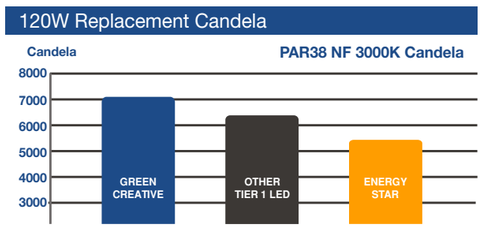
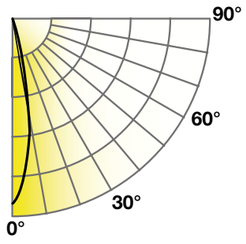
TRUE CHROMA Series - REFINE PAR Lamps

Proprietary REFINE lens

GREEN CREATIVE's proprietary REFINE lens efficiently delivers powerful light with intense center beam candle power and even light distribution, while eliminating uncomfortable glare.







Degree	Candela
0	7,000
5	6,095
15	1,658
25	408
35	137
45	64

Comprehensive Choices

50W Equivalent PAR20
2700K / 3000K / 4000K CCT
15° / 25° / 35° beam angles

75W Equivalent PAR30
2700K / 3000K / 4000K CCT
15° / 25° / 35° beam angles

75W Equivalent PAR30 SN
2700K / 3000K / 4000K CCT
15° / 25° / 35° beam angles

120W Equivalent PAR38
2700K / 3000K / 4000K CCT
15° / 25° / 35° beam angles
120-277V & GU24 versions available

TRUE CHROMA Series - REFINE MR Lamps

Proprietary REFINE lens

GREEN CREATIVE's proprietary REFINE lens efficiently delivers powerful light with intense center beam candle power and even light distribution, while eliminating uncomfortable glare.

Comprehensive Choices

42W GU5.3 halogen replacement
2700K / 3000K / 4000K CCT
10° beam angle

50W GU5.3 halogen replacement
2700K / 3000K / 4000K CCT
15° / 25° / 35° beam angles

50W GU10 halogen replacement
2700K / 3000K / 4000K CCT
25° / 35° beam angles

75W GU5.3 halogen replacement
2700K / 3000K / 4000K CCT
15° / 25° / 35° beam angles

Low operation and maintenance cost

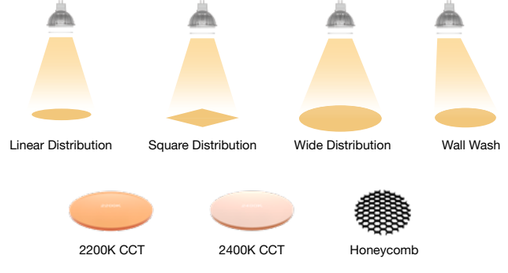
REFINE has models replacing up to a 75W halogen source while realizing 90% energy savings, with L70 rated lifetime of 25,000 hours and are backed by an industry leading 5-year warranty.

Smooth dimming

REFINE MR16 series will smoothly dim to off with most dimming controls, perfect for retail, hospitality, art galleries, and high-end residential applications.

Designed to work with TRUE BEAM accessories

REFINE MR lamps are designed to work with GREEN CREATIVE's TRUE BEAM accessories which enable professionals to precisely realize any lighting design that can be imagined.



GREENCREATIVE

Your Partner for Professional Lighting Solutions

TRUE CHROMA SERIES