

A view of Earth from space, showing the planet's curvature and city lights at night. The text "REQUIREMENTS ROADMAP" is centered in white.

REQUIREMENTS ROADMAP

BLUE LIGHT
SUMMIT 2020



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Designed for Human Health



High-Energy Blue Light



Maximum Energy






Color Performance

**Developed with world
leaders in healthcare to
signify achievement of
industry leading health and
safety requirements.
Certification allows access
to this mark:**






eyesafe.com/standards

Eyesafe Display Requirements

	ITEMS	REQUIREMENTS
 High-Energy Blue Light	Blue light emission in the 415 to 455nm toxic region	The ratio of light in the range from 415-455nm compared to 400-500nm must be less than 50%
	Weighted blue light toxicity emissions based on ICNIRP Guidelines	The Blue light toxicity of weighted blue light vs total lux must be less than 0.085
 Maximum Energy	Photobiological Safety requirement based on IEC/EN 62471	The blue light emission of the product must meet exempt group limits (Must be lower than 100 W.m-2.str-1)
 Color Performance	Color Gamut Coverage %	For product with sRGB color mode: ≥95% of standard sRGB color space in CIE 1931; For product with Adobe RGB color mode: ≥90% of standard Adobe RGB color space in CIE 1931; For product with DCI-P3 color mode: ≥90% of standard DCI-P3 color space in CIE 1931; For product with NTSC color mode: ≥72% of standard NTSC color space in CIE 1931
	Color Temperature	The Correlated Color Temperature (CCT) shall be within the range of 5500K and 7000K

Eyesafe Display Requirements Roadmap

EYESAFE DISPLAY CERTIFICATION 1.0	EYESAFE DISPLAY CERTIFICATION 2.0	TIMEFRAME
 High-Energy Blue Light	Cumulative exposure limit	Eyesafe 2.0 Pre-release for review and comments in Dec 2020
 Maximum Energy	Age-based recommendations	Eyesafe 2.0 will be released early 2021
 Color Performance		Certification starts second half of 2021

Eyesafe 2.0 Pre-release December 2020