

SpectraSync™
Color Tuning Technology

Frequently Asked Questions

PERFORMANCE

Q: What CCT choices are there?

A: Dim to Warm travels from 3000K to 2200K as it dims. Tunable White and Scheduled White smoothly range from a warm 2700 to your choice of 5000K or 6500K at the cool end.

Q: Why do the spec sheets show multiple efficacy and lumen values?

A: Cooler (higher Kelvin) CCT LEDs perform more efficiently than warmer (lower Kelvin) LEDs, so Tunable White efficacy varies over color. Hubbell publishes selected Kelvin settings to provide a sense of those predictable and unavoidable performance variations.

Q: Does SpectraSync™ follow the black body curve (Planckian locus) as it sweeps through the color range?

A: It is very near the black body curve at its extremes, but dips slightly below the curve in the middle portion of its path—a quality that is deemed more pleasing to the human eye by many experts.

Q: Are versions available with DLC listings?

A: No. DLC does not currently have a category covering Tunable White.

CONTROL

Q: Does SpectraSync require an NX controller?

A: SpectraSync can be used with any NX based system control but also can be paired with any 0-10v controller system.

Q: What kind of control system do I need to operate SpectraSync's Tunable White?

A: SpectraSync's unique, open architecture makes it compatible with any control format that can deliver 0-10V control. It could operate on a system as basic as two slide dimmers on the wall (one for intensity and one for color), to a third party system, to the robust and powerful NX Distributed Intelligence™ system from Hubbell Control Solutions (HCS).

Q: Can I control intensity and CCT separately?

A: For Tunable White and Scheduled White, yes. Two independent 0-10V inputs can control either intensity or CCT—or both. On Dim to Warm, the color transition is locked to intensity via a single 0-10V input.

Q: Are SpectraSync switch stations available?

A: Yes. Hubbell Control Solutions, through its NX Distributed Intelligence system, offers a 6-button switch station with CCT raise/lower and presets, as well as a variety of programmable preset switch stations.

Q: How do I create time schedules for SpectraSync's "Scheduled White"?

A: Hubbell Control Solutions' NX Distributed Intelligence platform provides an intuitive interface for scheduling both CCT and intensity changes for SpectraSync enabled luminaires. Simply set presets based on CCT and intensity and schedule for activation.

Q: Can SpectraSync be operated wirelessly?

A: With a compatible control system, yes. For example, HCS's NX system provides both wired and wireless capabilities.

Q: Does this work with my existing Triac/Phase Dimming Systems?

A: No. SpectraSync requires a 0-10v low voltage dimming control system.

Q: How do I install and connect a SpectraSync enabled fixture?

A: It wires just like any 0-10V dimming fixture, except that Tunable White and Scheduled White require a second pair of low-voltage dimming leads. Please reference the installation guide on the product web page.

Q: Can I commission or control SpectraSync with a smartphone app?

A: Yes. The "NX Device Setup Tool" for Hubbell Control Solutions' NX Distributed Intelligence platform is available in both iOS and Android via the Apple and Google Play stores.

SUPPORT

Q: Where can I find information on SpectraSync enabled product from Hubbell Lighting?

A: See SpectraSync online.

Q: Is SpectraSync available with multiple fixtures?

A: Yes. Initially, SpectraSync will be an option on more than 20 HLI product families, with more to follow in the future.

Q: Who do I contact for Technical Support?

A: Contact your Hubbell Lighting Representative.

Q: Who do I contact for Warranty Support?

A: Contact your Hubbell Lighting Representative.

Q: Who do I contact from controls and layout Support?

A: Contact your Hubbell Lighting Representative.

Q: Are other CRI ranges offered besides those listed on the spec sheets?

A: Hubbell will entertain custom opportunities of sufficient size. Please contact your Hubbell Lighting representative.