

OSRAM KREIOS FLx 90W Dimming Performance on Electronic Theatre Controls Dimming Systems:

[Note: All % levels given represent control input – not light output level.]

SENSOR 3 dimmers

D20 & ELV10 - The fixtures turn on at 1% after a delay of about 3 seconds. Automated fades up from 0% skip over the lower end of the dimming range. The light does not flicker while steady on any level, and fades between levels are otherwise smooth.

****Note**** Because they do not have Smoothing control, on legacy **Sensor** and **Sensor+** fades between levels have visible steps, but all other performance is the same.

ECHO

EVLD – Lights turn on between 2-4% after a delay of about 2 seconds. At levels below 6%, variation in light output could occur between fixtures. Automated fades up from 0% skip over the lower end of the dimming range. The light does not flicker while steady on any level, and fades between levels are otherwise smooth.

UNISON Legacy dimmers

D20- Not Compatible

ELV10 – Dimming between 2% and full. Automated fades up from 0% skip over the lower end of the dimming range. The light shimmers while steady on any level below about 40%, doing so more severely at lower levels. Fades between levels have visible steps

UNISON DRd

D20 & ELV10- The fixtures turn on at 1% after a delay of about 3 seconds. Automated fades up from 0% skip over the lower end of the dimming range. The light shimmers while steady on any level below about 50%, and fades between levels are otherwise smooth.



Recommended settings for best performance:

SENSOR 3

D20 - Dimmer module should be in Normal firing, with Smoothing control, a mod-linear curve, 1% threshold, a min scale of 6%, and no regulation.

ELV10-s - Dimmer module should be in Reverse firing, with Smoothing control, a mod-linear curve, 1% threshold, a min scale of 7%, and no regulation.

ECHO

ELVD - Dimmer should be in Normal mode, with Auto or Reverse phase.

UNISON Legacy dimmers – N/A

UNISON DRd

D20 - Dimmer module should be in LED Smoothing Forward Phase mode, with a linear curve, 0% threshold, a min scale of 6V, and transformer mode on.

EVL10 - Dimmer module should be in LED Smoothing Reverse Phase mode, with a linear curve, 0% threshold, a min scale of 9V, and transformer mode on.

All testing performed by ETC in Middleton, WI on September 24, 2015

