June 30th, 2025

Jessica Browning
Technology Associate I
C +1 216 462 4540
jessica.browning@currentlighting.com

TO: Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046, USA

RE: Model Differences for FCC ID: YH9NXSMP3SMI

Please be notified that we, the undersigned, HLI Solutions, Inc, declare that the differences among the product models of the NXSMP3SMI family to be as described below.

Table 1 shown below summarizes the differences between the different models (HVINs).

Table 1: Summary of Model Differences

Model (HVIN)	Short Description (PMN)	Printed Circuit Board Assembly	Housing Assembly	Color Options
NXSMP3-SMI	NX Slide Mount Indoor Sensor Module	93167589-2002	SMI	White, Black, Gray
BTXSMP-SMI	BTX Slide Mount Indoor Sensor Module	93167589-2003		White, Black, Gray

Each model consists of one printed circuit board assembly, which contains both RF and non-RF circuitry.

Both models have an identical PCB layout and schematic, with differences only in the component population for the non-RF circuitry.

The BTXSMP model differs from the NXSMP3 model due to the depopulation of the following non-RF circuitry: the emergency lighting control circuit, real-time clock, and battery.

Details regarding the component population differences can be found in both the Schematic exhibit and the Internal Photos exhibit.

Each model's top-level assembly contains a housing back, housing cover, PIR lens, and printed circuit board assembly. The models in the NXSMP3SMI family share the same mechanical housing components. Details are provided in the Internal Photos and External Photos exhibits.

The NXSMP3SMI product family is available in three colors including white, gray, and black. Photos of the different colors can be found in the External Photos exhibit.

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HLI Brands
currentlighting.com

701 Millennium Boulevard
Greenville, SC 29607

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In conclusion, the models within the NXSMP3SMI product family have minor differences in non-RF circuitry components. If necessary, additional information about these models can be provided.

Sincerely,

Applicant Signature:

Jessica Browning

Applicant printed name:
Jessica Browning

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Greenville, SC 29607

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