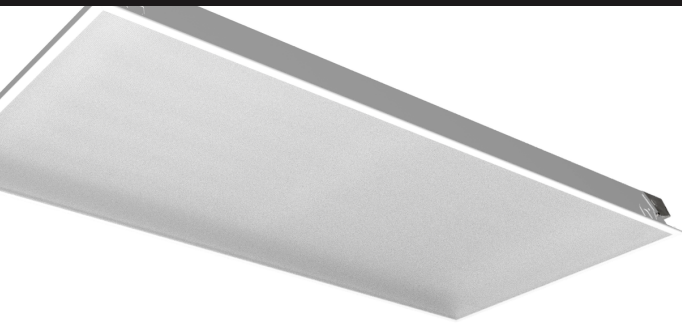




**365DisInFx™**  
UVA technology



## UVA Disinfection Technology Delivered to South Bend NICU

Erik Swenson, General Manager of Nichia America Corporation, recently wrote a feature for UV Solutions Magazine detailing how the partnership between Nichia and GE Current, a Daintree company led to UVA disinfection technology being delivered to a South Bend NICU.

UVA solutions such as the 365DisInFx™ UVA technology from GE Current, a Daintree company can help reduce bacteria and fungi on surfaces. Current's in vitro testing with eight hours of exposure has shown significant reductions in common pathogens associated with hospital-acquired infections (HAIs), such as MRSA, Staphylococcus aureus, Enterococcus faecalis, Escherichia coli, Acinetobacter baumannii, Pseudomonas aeruginosa, Candida albicans and auris.<sup>2</sup>



The UVA technology was made possible with help from chemical engineering and manufacturing company Nichia. Nichia and Current have a long history together, dating back well before the adoption of white LEDs. Consequently, when Current was exploring disinfection solutions, it turned to this established partner, integrating this UV LED into Current's UVA fixtures.

The UV Solutions Magazine article highlights the experience of Dr. Robert White, director of the regional newborn program at Beacon Children's Hospital in South Bend, Indiana, with UVA technology. Dr. White was originally contacted about the opportunity to pilot the UV technology, at no cost, by the Lighting Research Center (LRC). He and the LRC had collaborated several times over the years to uncover ways to create an optimal healing environment for babies.

With Dr. White and the LRC on board, Current's UVA technology was tested using in vivo sampling and in vitro inoculated culture plates. The NICU specifically looked at the lighting's effect on staph aureus, E. coli and Enterococcus faecalis – bacteria that pose significant threats to patients. Results and methodology of the study were first published in Lighting Research & Technology in February 2020.