


iMiD 2023

August 22-25, 2023 / BEXCO, BUSAN, KOREA



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Exhibitor Introduction	<p>Excyton is a startup company from the UK that has developed a novel display technology called TurboLED. TurboLED comprises a novel pixel design and drive algorithms to reduce display power by 50% while extending colour gamut. TurboLED displays comprise lighter and deeper RGB sub-pixels. Lighter RGB sub-pixels are more efficient and stable than deeper RGB sub-pixels due to the photopic response of the human eye. Lighter RGB sub-pixels are used to render most images, while Deeper RGB sub-pixels are only used when needed. This reduces power compared to standard displays, and colour gamut can be extended to Rec 2020 due to minimal use of the deeper RGB sub-pixels.</p>	

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Exhibit Description	Excyton will demonstrate red, green and blue TurboLED prototypes and display power simulation software.
Exhibit Product	TurboLED – Novel Power Saving Pixel Design and Algorithms