Flip Chip Opto Announces 2400 Watt Broadcasting LED COB with 96+ Ra and R9 Values

May 2nd, 2016 – FREMONT, CA – Flip Chip Opto introduces a first-in-class broadcasting LED COB, producing just over 2433 watts with the industry's highest Ra and R9 values. The Titan 2400 features the company's patented 3-PAD Pillar Metal Core Printed Circuit Board technology, which allows incredible thermal dissipation and a reduction in junction temperatures to as low as 0.003˚C/W. With advanced methods in material science and a dedicated phosphor division, the R9 values on correlated color temperatures of 5600K and 3200K are 98.4, 99.0 respectively.

The Titan 2400 represents a disruptive technology that allows new manufacturing methods and applications in broadcasting science, allowing smaller form-factors and thermal solutions to be applied into Flip Chip Opto's 3-PAD patented technology. With luminous flux reaching over 230,000 lumens, it is ideal for broadcasting applications that require long range, high luminance, daylight replication and operations where form-factor, thermal requirements, or power availability are a limiting factor. The Titan 2400 is unique due to its 3-PAD thermal properties, allowing designers to maximize lumens-per-dollar by reducing form-factor of the light fixture, the fixture optics, and the number of fixtures required.

Table 1.1

96+ CRI	5600K	3200K
R1	97.4	98.7
R2	97.8	97.4
R3	95.0	91.8
R4	96.0	92.5
R5	95.0	97.5
R6	92.9	96.9
R7	98.8	94.5
R8	98.2	95.8
R9	**98.4**	**99.0**

Table 1.1 displays the correlated color temperatures and its associated R1 to R9 figures under 96+ CRI.

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