



LED FUNDAMENTALS

MAR 26, 2010

Answers provided by Greg Murphy (GM), MaxLite Product Manager and Webinar Presenter except where answers were provided by other attendees as noted.

- **James Guest:** *Who are the top 10 quality chip makers in your opinion?*
GM: In no particular order: Nichia, Osram Opto, Lumiled (Phillips), Cree, SSC.
- **Myriad Energy:** *Do we have LM80 reports available for each of our fixtures?*
GM: For most, those without LM80 data are all scheduled to complete LM80 testing within the next two months.
- **Buzz:** *Are all LED products on the website now?*
GM: All of our current products can be found at www.maxlite.com and a few more will be debuted in May, 2010 at LFI
- **Bob:** *How does freezing outdoor temperature affect LED?*
GM: They love the cold! In very cold temperatures one can expect longer life and slower light degradation.
- **Dave Holt:** *Very nicely done, great information!*
GM: Thank you on behalf of the great staff we have behind the scenes in preparing and airing these educational webinars. Mr. Blake Adams our webmaster and graphics maven has done a great job in utilizing this new forum.

- **Inicol:** ***Will we get a copy of this presentation?***
GM: This and all MaxLite educational webinars are followed by a transmission of all the materials including the PowerPoint as well as the Q&A and the actual video.

- **Lorraine:** ***Are the answers to questions sent to everyone?***
GM: This and all MaxLite educational webinars are followed by a transmission of all the materials including the PowerPoint as well as the Q&A and the actual video.

- **Rich:** ***Do you see the price of LEDs coming down at all in the next couple years?***
GM: Absolutely, as a matter of fact the cost per lumen has been falling steadily. We luminaries manufacturers have been faced with a choice with just about each LED purchase. We must decide whether to make the luminaries brighter at the same cost or lower the cost of my fixture. I am happy to say that in most cases our luminaries have reached the light output that is comparable with other light sources. This means that we will be able to drop the cost of the fixtures as the LED costs come down.

- **Joe Weppner:** ***Are our self-driven lightbar's damp or wet location rated?***
GM: They're UL certified to be used in dry applications but are able to be installed into a wet location rated fixture as a retrofit.