

Qatar National Exhibition Centre



In the fall of 2008, Burns & McDonnell approached Flex Lighting Solutions (formerly known as LightWild), the manufacturer of Flex Lighting Solutions Commercial and Industrial Lighting products, about an extension to the Qatar National Exhibition Centre in Doha, Qatar, that would add 2.5M additional square feet to the facility.

Under the general direction of the Qatar National Foundation (the primary investment vehicle of the Thani royal family) and specific wishes of Her Highness Sheikha Mo-zah bint Nasser Al-Missned, the extension had to be built in a manner that would achieve a LEED (Leadership in Energy & Environmental Design) Gold rating — something that had never been accomplished for a convention center.

Burns & McDonnell challenged FLS to develop a solid-state lighting solution that could be mounted at 40 ft (12 m), withstand a constant ceiling temperature of 115° F (46° C), deliver at least 50 fc (footcandles, a common lighting measurement), and use only 103 watts per fixture.

The prototype and demonstration exceeded all of the requirements. FLS then helped write the lighting specification for the extension and was listed as the specified fixture. Despite this progress, FLS still faced fierce

competition from industry giants Philips and Cooper Lighting, who Burns & McDonnell had also invited to bid on the project.

FLS continued to advance the product design, achieved UL listings and CE marks, performed crucial photometric testing, and passed EMC testing. After multiple trips to Doha, difficult competitor pricing and positioning, stringent testing cycles and mock-ups in Doha, FLS was awarded the project. The award was for 4,750 Flex Lighting Solutions Bay fixtures which were delivered in October 2010. To the delight of FLS' key contacts at Burns & McDonnell, the final product achieved 60 fc at 92 watts of power and achieved LEED Gold status.



Qatar National Exhibition Centre & Flex

The final product achieved 60 footcandles (fc) at 92 watts of power and achieved Leadership in Energy & Environmental Design (LEED) Gold status.



We Are Flex

We are 200,000 dedicated innovators, working across 30 countries to create a smarter, more connected world. Leading the way in the development of innovative technologies, sketch to scale thinking, state-of-the-art manufacturing, and global citizenship sets Flex apart—a leader in a market of one.

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