



October Update

MEINHARDT IN FOCUS

Getting the lighting right can make all the difference to a project’s success. **Lighting** does not only enhance the appearance of a building or landscape, but with wise design choices, you can also save energy and operational costs. **Meinhardt’s Specialist Lighting Design Department has been established 10+ years.** Our team gives priority to our clients’ needs, to create distinctive designs across all type of projects, from façade through to interiors.

“Having a lighting studio within an engineering consultancy ensures that our lighting design is well coordinated with other design disciplines and well integrates into the overall building design solution.”



Theera Wattanasup
Director



PROJECT IN FOCUS

Terminal 21 is one of Thailand's premier shopping mall destinations for both locals and tourists. Terminal 21 has just opened its **3rd branch in Pattaya.** As with Terminal 21’s other developments, the mall features 8 different country themes. Terminal 21 Pattaya consists of a 6-storey retail and cinema center with the total CFA of 131,246 sqm. **Meinhardt Thailand Lighting Studio provided Interior Lighting Design Services** for this latest development along with Terminal 21 Bangkok.

“It is always satisfying to work with a repeat customer such as Terminal 21. This project has given us plenty of challenges in designing, communicating each unique theme through the right lighting designs.”

Charlie Tancharoen
Executive Lighting Designer

STAFF IN FOCUS

This month we feature our award winning Executive Lighting Designer, Khun **Charlie Tancharoen.** Having an architectural background, training as a lighting designer in Germany, Charlie was awarded a gold medal from Rangsit University, Bangkok, Thailand. Charlie holds a master degrees in architectural lighting. Prior to joining Meinhardt, he worked 10 years in Germany and New York. Charlie’s knowledge and professional experiences in lighting equipment and technology are second to none.

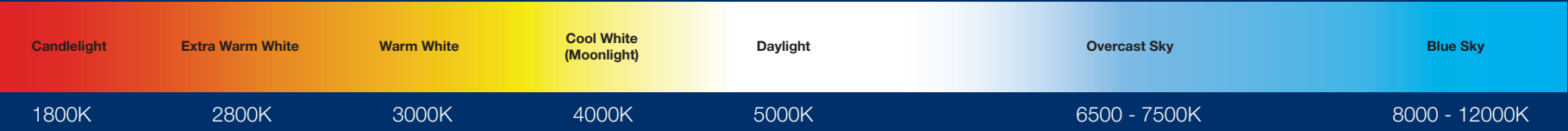


Charlie Tancharoen
Executive Lighting Designer

FACT IN FOCUS

Did you know that: Colour temperatures are measured in Kelvin (while brightness is measured in lumens) on a scale from 1,000 to 10,000, and is symbolized by the letter K. The higher the Kelvin rating, the whiter and then bluer the light appears. For example, Incandescent and Halogen lights are found around 2500K – 3000K. Direct sunlight has the equivalent of 4800K. Daylight is typically found around 5600K. A cloudy sky or cool white can be found between 6000K-7500K. A clear blue sky can be found at 10,000K.

Colour Temperature Chart



Source: Westinghouselighting.com. (2018). Color Temperature (Kelvin). [online] Available at: <http://www.westinghouselighting.com/color-temperature.aspx> [Accessed 12 Oct. 2018].
The Beat: A Blog by PremiumBeat. (2018). Understanding Set Lighting and Color Temperature. [online] Available at: <https://www.premiumbeat.com/blog/understanding-set-lighting-and-color-temperature/> [Accessed 12 Oct. 2018].

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