

## **T5/HO versus HID**

Something seems to be happening in the HID world. Some HID manufacturers are just beginning to see the industry move to T-5/HO for high bay applications as a threat to their HID business. The latest move is to tout new 450 watt Pulse Start Metal Halide High Bay Fixtures with claims of "Performance Beyond T5 Fluorescent". Interesting. So let us analyze this last blast from the blasted bugler. The old adage "Figures don't lie but liars figure" may be appropriate here.

*Whereas the re-stabilization data for the amalgam-based flux of the pulse igniter was corrected for a non-linearity sequence, several inadequacies are evident in the angular responsivity curves and the Flacouma factor noted in Section 2; inherent in this type of study is a modulated superimposition of correlation residuals, such as the type referred to in the Blachman study, Journal of Obfuscative Science and Marketing Scat, Volume 5.*

The foregoing makes as much sense (maybe more) as some of the HID manufacturer's claims.

We wonder who wrote their gibberish? We have seen some very ...creative...marketing in our day, and many shady distorted factoids in advertising, but some of this new stuff absolutely takes the cake! They contain completely baseless references in documents that infer that some type of recognized reference data has been used to establish something. What, we're not sure. Some of the new catch phrases; "Thermal Factor"? "Focus Factor"? "Dirt Factor"?

Take the statement "In high bay applications, at least 15% of the light from a T5 luminaire is lost before it hits the intended target compared to metal halide luminaires". What happens to those lumens? Do they dissolve? Does the pulse igniter in the MH lamp propel the lumens with more force?

"Dirt affects fluorescent luminaires at least twice as much as metal halide luminaires". Okay ....this is a rather unsupported statement that makes absolutely no sense.

Some go so far as to claim "less re-lamping and general maintenance". They show no data to illustrate lumen degradation over life, or indeed lamp life data at all.

We have seen one with a section titled "Better Optics". In this the bullet items apply only to T5, and they lose credibility when you look at the photo next to the verbiage.

We have every confidence that you'll see through these rather lightly camouflaged attempts to muddy the water and maintain the status quo. The fact remains T5/HO is a viable and energy efficient replacement for all types of HID sources in nearly every industrial application and is fast becoming the replacement for T8 fluorescent in many commercial and architectural applications.

Attempts to paint T5/HO as a poor source for HID replacement in High Bay Applications is contrary to logic and contrary to actual performance in real world applications. Case in point; nearly all manufacturers of HID High Bay Fixtures are scrambling to introduce their own versions of the T5-HO High Bay Luminaire. They're not doing it to shoot themselves in the foot. They are doing it to maintain their market share.

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