

Re: HID and MH lamps are absent from interior lighting!

# Re: HID and MH lamps are absent from interior lighting!

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*Source:* <http://sci.tech-archive.net/Archive/sci.electronics.design/2005-09/msg02354.html>

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- *From:* "Ban" <[bansuri@xxxxxx](mailto:bansuri@xxxxxx)>
  - *Date:* Sun, 11 Sep 2005 16:05:23 GMT
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Chris Carlen wrote:

> Hi:  
>  
>  
> Every once in a while I get interested in HID and metal-halide (MH)  
> lighting systems. My recent spurt of interest was triggered by the  
> possibility that I might get to acquire a xenon short-arc lamp for my  
> job. Oh will that be fun! But I have learned that there is almost no  
> way that xenon short arcs to be attractive for consumer lighting. They  
> aren't even particularly efficient. Just have the closest  
> approximation to a white light point source.  
>

Lets compare: a halogen front light in cars uses 55W and produces 1550lm, which is 28 lm/W  
a HID mercury lamp for the same application has 43W(with ballast) and is good for 3000lm, which is almost 70lm/W. Why do you think this isn't particularly efficient? (Source Osram)

> But I have often wanted to get my paws on a miniature HID (automobile  
> or smaller size) for portable or task/desk lighting use.  
>  
> Yesterday I discovered this:  
>  
> <http://www.walamp.com/lpd/lamptype/index.tpl?LTSKU=12413818101355&cart=1126201406819984>  
>  
> The I found a portable dive light employing the 10W Solarc device very  
> reasonably priced compared to the component prices from WelchAllen:  
>  
> [http://www.uwkinetics.com/D\\_LC100.htm](http://www.uwkinetics.com/D_LC100.htm)  
>  
> This is truly the coolest flashlight I have ever seen. A must have!  
>  
> But I am surprized at the lack of small HID or MH lamp fixtures for  
> interior lighting.  
>  
> I will continue looking for a small HID/MH desk lamp or table lamp, or  
> other interior fixture.

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- >
- > Heh, heh, when I was a kid I came across both a 50W HP sodium and a
- > 175W mercury vapor lamp fixture. I took them apart and then used to
- > run them completely open. That is, no enclosure around the ballast
- > transformers; the Hg lamp would stand up on its own on a table on the
- > ballast core, and the Na lamp I put into a ceramic wall mount socket
- > a few inches from the ballast that I could station somewhere on top
- > of a bookcase.
- > Man did those things light up the room! And the combined Na+Hg made
- > for a decent color balance.
- >

Hopefully the UV radiation at 234nm has not damaged your eyes when running the lamp without glass filter.

—  
ciao Ban  
Bordighera, Italy

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- *Follow-Ups:*

- ◆ ***Re: HID and MH lamps are absent from interior lighting!***  
◇ From: Chris Carlen

- *References:*

- ◆ ***HID and MH lamps are absent from interior lighting!***  
◇ From: Chris Carlen

- Prev by Date: ***Re: Construction of an ultrasonic cleaner tank***
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