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FILE 231/405

COMPLETELY CLEAR/UNCOATED SYLVANIA 28W T5 HE DEMONSTRATION TUBE



this is a tube that was very kindly given to me by James many years ago!

I realised I have never uploaded a picture of it however so I figured I would dig it out of storage and attempt to light it

its quite the sight to behold!, but sadly both electrodes on this tube are broken, however they are each attached to 1 electrode lead still so with careful selection of which pins I apply power to, I can light the tube safely, however I do worry that one of the cathodes may detach completely, which is another reason I got it out and lit it, so I could enjoy it before that happened!

as due to the broken cathodes, I have never really been able to light it before now (most normal T5 ballasts wont light a lamp with broken cathodes sadly) so here im using US instant start ballast on its lowest power setting to run the tube, and I made sure to carefully monitor the tube voltage and current with my oscilloscope!









LIGHT INFORMATION

Manufacturer:	Sylvania
Model Reference:	FHE28W/T5/860
Lamp	
Lamp Type:	"fluorescent" tube
Base:	G5
Shape/Finish:	T5
Electrical	
Wattage:	28W
Physical/Production	
Factory Location:	Germany

FILE INFORMATION

Download:	Download this File
Filename:	IMG_0688_4.JPG
Album name:	LightBulbFun / My lights
Keywords:	Lamps
File Size:	422 KB
Date added:	Mar 13, 2022
Dimensions:	2304 x 3072 pixels
Displayed:	211 times
Date Time:	2022-03-13 16:23:24
Date Time Original:	2022-03-13 16:23:24
Exposure Bias:	-1.11735694967 EV
Exposure Time:	1/248 sec
FNumber:	f2.4
Flash:	No Flash
Focal length:	3.3 mm
ISO:	25
Make:	Apple
Model:	iPad mini 4
Software:	15.1
White Balance:	0
URL:	https://www.lighting-gallery.net/gallery/displayimage.php?pos=-211863
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COMMENTS

dor123
Member


Gender: ♂
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Other loves are computers, office equipment, A/Cs



Mar 13, 2022 at 12:01 PM

Is this a demonstration tube or a germicidal lamp?

I'm don't speak English well, and rely on online translating to write in this site.
Please forgive me if my choice of my words looks like offensive, while that isn't my intention.

I only working with the international date format (dd.mm.yyyy).

I lives in Israel, which is a 220-240V, 50hz country.

trojniejski
Member


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Mar 13, 2022 at 12:09 PM

Faraday dark space is very noticeable here.

FrontSideBus
Member


Gender: ♂
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Mar 13, 2022 at 01:00 PM

That is quite neat. I'd love to get hold of a half or uncoated lamp and get some nice macro shots of the electrodes when lit.

Bulbs are for planting: Lamps are for lighting!
<http://www.lighting-gallery.net/gallery/index.php?cat=11271>



Rommie
Guest

Mar 13, 2022 at 01:01 PM

Quote from dor123 on 13 Mar 2022 at 12:01

☹☹

Is this a demonstration tube or a germicidal lamp?

It's in the title 😊

LightBulbFun
Member


Gender: ♂
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Mar 13, 2022 at 01:02 PM

Yeah that would be awesome!

I have 1 4ft 40W T12 half coater in the collection, (which I was offered some very nice lamps for recently in-fact, but I am never parting with it as I know the chances of me getting/finding another is roughly nil!)

My other hobby is buses, especially the Routemaster (formerly Bulb Freak)

Rommie
Guest

Mar 13, 2022 at 01:04 PM

I'd love a half-coated tube. Or better still, an MV lamp like [this one](#) 🦋

FrontSideBus
Member


Gender: ♂
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Mar 13, 2022 at 01:04 PM

I might just have to get a germicidal T8 heh.

Bulbs are for planting: Lamps are for lighting!
<http://www.lighting-gallery.net/gallery/index.php?cat=11271>


rjuna2
Member
Online
Gender: e*
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Robert

Mar 14, 2022 at 06:55 AM

Cool 😊

I still have yet to find clear version of linear fluorescent light bulb (not the germicidal kind).

Pretty, please no more Chinese failure.


bryanb
Member
Online
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Mar 14, 2022 at 10:12 AM

[Quote from FrontSideBus on Mar 13, 2022 at 01:04 PM](#)
ee
I might just have to get a germicidal T8 heh.

Just be careful with the UVC exposure. Demo tubes use regular glass, which blocks UVC and germicidals use quartz.


arcblue
Member
Online
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Mar 14, 2022 at 03:42 PM

That looks great. I have a 28w actinic blue T5 HE in a fixture under my kitchen eating bar as an accent light...it would look even better if it were a clear lamp, I think. But the color is fairly similar.

I'm lampin...

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<https://getfireshot.com>

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