

Re: ballasts

Source: <http://sci.tech--archive.net/Archive/sci.electronics.repair/2007-09/msg00808.html>

- *From:* Sam Goldwasser <sam@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* 19 Sep 2007 19:00:07 -0400
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zekor@xxxxxxxxxx (G) writes:

In article <6wbqzbzlfm1.fsf@xxxxxxxxxxxxxxxxxxxxxx>, Sam Goldwasser <sam@xxxxxxxxxxxxxxxxxxxxxx> wrote:

zekor@xxxxxxxxxx (G) writes:

In article <[fcon10\\$2qn\\$1@xxxxxxxxxxxxxxxxxxxxxx](mailto:fcon10$2qn$1@xxxxxxxxxxxxxxxxxxxxxx)>, zekor@xxxxxxxxxx (G)

wrote:

In article <[fcok0f\\$266\\$1@xxxxxxxxxxxxxxxxxxxxxx](mailto:fcok0f$266$1@xxxxxxxxxxxxxxxxxxxxxx)>, zekor@xxxxxxxxxx (G) wrote:

In article <[fc0h4b\\$19e\\$1@xxxxxxxxxxxxxxxxxxxxxx](mailto:fc0h4b$19e$1@xxxxxxxxxxxxxxxxxxxxxx)>, zekor@xxxxxxxxxx (G) wrote:

In article <[M6GHi.3333\\$Ap2.2805@trndny05](mailto:M6GHi.3333$Ap2.2805@trndny05)>, "James Sweet" <jamessweet@xxxxxxxxxx> wrote:

"G"
<zekor@xxxxxxxxxx>
wrote
in
message
[news:fcma73\\$fpq\\$1@xxxxxxxxxxxxxxxxxxxxxx](mailto:news:fcma73fpq1@xxxxxxxxxxxxxxxxxxxxxx)

Re: ballasts

I
have
a
system
that
worked.

Had
a
lamp
and
a
ballast.

It
quit
working.

I
replaced
lamp
and
ballast,
check
everything
except
the

voltage

between
the
ends
of
the
tube.
The
filiments
light.
My
question,
its
a

two

lamp
ballast
that
has
two
unused
wires.
Having

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only
one
lamp
connected,

could

this
cause
a
reduced
starting
voltage
across
the
lamp.
I
am
suspecting
some
weak
link
and
not
a
hard
core
problem.

greg

Are
you
sure
the
ballast
is
wired
right?
Most
North
American
twin
lamp
autotransformer
ballasts
wire
the
lamps
in

Re: ballasts

series,
the
output
of
the
secondary
is
on
the
red
and
blue
wires,
the
yellow
wires
are
only
a
small

winding
to
provide
cathode
heat
to
the
middle
cathodes.

Yellows on
one side,
one lamp to
reds and
another if
present to
blues on

the

other sides.
120 vac. I
checked
voltages
except the
actual drive,
supposed

Re: ballasts

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to be about
380 vac
unloaded. I
will
measure
that next. I
had to
defeat
contacts to
get access.
Its all in a
big hood. It
worked,
now it still

does

ot

even with
new parts. I
don't
imagine
there is a
problem
with the
socket

since

the
filiments
light. Its
also a UV
lamp.

I wired up a
strobe once.
It would not
work in the
dark. As
soon as you

gave

it enough
light it
would fire.

I am reading the lamp FAQ.

Re: ballasts

The measurements on the original ballast are off. I may have a bad new

ballast

I am looking at the original ballast and another single lamp with RR BBUWG

On the later I measure HV when the lamp is inserted, but there is no HV open, and the lamp is a perfectly working model. I'm not sure I understand the no HV concept. Its not present on the original non working model 2 lamp ballast.

I ordered another ballast, slightly different. The second ballast didn't seem

to have enough oomph. I did read a open starting voltge almost 200 volts. It just got loaded down with the tube even though its for a bigger tube ??

I had wonderd if a UV lamp has slightly different requirments, as I found an old separate listing for Advance UV ballasts. Don't know.

Don't know for sure but a UV lamp is just a normal lamp without the phosphor and probably in a quartz envelope?

BTW, how sure are you that the lamp is good? Sorry if this was mentioned already.

I am not totally convinced they are good. We tried 3.

I assume you have tested for continuity of the filaments at both ends?

--- sam | Sci.Electronics.Repair FAQ: <http://www.repairfaq.org/>
Repair | Main Table of Contents: <http://www.repairfaq.org/REPAIR/>
+Lasers | Sam's Laser FAQ: <http://www.repairfaq.org/sam/lasersam.htm>
| Mirror Sites: http://www.repairfaq.org/REPAIR/F_mirror.html

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Important: Anything sent to the email address in the message header above is ignored unless my full name AND either lasers or electronics is included in the subject line. Or, you can contact me via the Feedback Form in the FAQs.