



Product Bulletin

Issue/Date:	11 th June, 2020	Bulletin Number:	AQ11062020
Subject:	Lamp Driver	Product Line:	OptiVenn, SCD-H, LS-HX, HX, Optima
Topic:	Lamp Driver Release (43474-3)		

Dear Aquafine Customers,

This bulletin is to notify you that Aquafine has introduced a new lamp driver to replace the 43474-1 used on OptiVenn, SCD-H, LS-HX, HX, and Optima product lines.

We have qualified the new lamp-driver (43474-3) for use on certain configurations (with 30" and 60" lamp units). Some units (OPV01CDS and OPV03CS) using 15" lamps are not compatible with this new driver.

This update is part of our commitment to provide best in class quality components for Aquafine UV systems as well as to improve reliability over the life of your system.

Going forward, please refer to the chart below when ordering lamp drivers:

Product	Description	Lamp Driver Part Number
OptiVenn	OPV01CDS and OPV03CDS Use 15 inch lamps	43474-1
OptiVenn	All models EXCEPT OPV01CDS and OPV03CDS Use 30 or 60" lamps	43474-3
HX (Mini Models)	HX01BDMU, HX02BDMU, HX02CDMU, and HX03CDMU Use 15 inch lamps	45040 (no change)
HX	All models EXCEPT HX01BDMU, HX02BDMU, HX02CDMU, and HX03CDMU Use 30 or 60" lamps	43474-3
SCD-H	All models	43474-3
LS-HX	All models	43474-3
Optima	All models	43474-3

The specifications for the new lamp drivers are attached. They have the same functionality but with several additional benefits including:

- Limit to ignition pulses to avoid premature failure
- End of lamp life protection, to prevent damage to the driver when the lamp reaches end of its life
- Certification: CCC in addition to UL and CE.

The change to use the new driver (43474-3) will apply to all quotes and orders shipped on and after 15th June, 2020. Thank you for giving us an opportunity to support with your water treatment needs. Please feel free to reach out to customerservice@trojantechnologies.com, if you have any questions or suggestions.

LAMP DRIVER SPECIFICATIONS

Product Specification: UV Lamp Driver, **Part Number 43474-1**

Item	Feature	Description*
1	Lamp driver (Ballast) Type	Electronic
2	Input Voltage	120 / 240 VAC +/- 10%
3	Input Current	2.45/1.2 A
4	Input Frequency	50/60 Hz
5	Starting Method	Instant start
6	Connector	2 connectors, 3 position and 4 position
7	Case	Aluminum
8	Case dimensions	11.7 x 3.1 x 1.8 inches
9	Lamp Connection	Parallel
10	Lamp supply	Powers 2 lamps
11	Lamp type	G36HO, G64HO HE/HX lamp type
12	Lamp wattage	80W/ 160W
13	Electrical Safety Certification	US and Canada, per applicable UL and CSA standards, cUL label

*Values stated are nominal

Product Specification: UV Lamp Driver, Part Number 43474-3

Item	Feature	Description*
1	Lamp driver (Ballast) Type	Electronic
2	Input Voltage	100 / 240 VAC +/- 10%
3	Input Current	<u>3.3@100V 1.4 @ 240V-</u> for 2 G64 lamps
4	Input Frequency	50/60 Hz
5	Starting Method	Instant start
6	Connector	2 connectors, 6 position and 12 position- a separate input and output wiring harness is required
7	Case	Aluminum
8	Case dimensions	11.7 x 3.1 x 1.8 inches
9	Lamp Connection	Parallel
10	Lamp supply	Powers 2 lamps,
11	Lamp type	G36HOT5L, G64HOT5L HE/HX lamp type
12	Lamp wattage	80W/ 160W nominal
13	Electrical Safety Certification	US and Canada, per applicable UL and CSA standards, cUL label, CCC

*Values stated are nominal