

FLS Flood/Shoebox Luminaire

Induction



Features



Wattage: 150-400W

Lamp: Round Tubular (RT) for 150-250W 2*Square Tubular (ST) for 300-400W

Lamp Life Rating: 100,000 hours

Lumen Maintenance: ≥70% at 60,000 hours

Ballast: Electronic Ballast

IP Rating: IP54

Installation: Two-bolt fixed arm bracket (pivoting slip fitter also available)

Ambient Temperature: -20 to +40°C (-4 to 104°F) *Tolerance of -40°C available upon request

Warranty: 10 years (see warranty for details)

Description

- Square welded aluminum housing with powder coating for corrosion resistance and durability
- Simple and traditional contour
- Hydro-formed aluminum reflector with vacuum coating (150-250W) or anodized aluminum reflector (300-400W) with good optical performance
- Flat, transparent tempered-glass lens with exceptional light penetration
- Two-bolt fixed arm bracket attachment for easy mounting (slip fitter for pivoting arm/adjustable projecting angle also available)
- Square slip fitter attachment for easy channel mount (slip fitter for pivoting arm/adjustable projecting angle also available)
- Split lamp and ballast compartments to ensure long life of components
- Generator is fastened with a spring clip for convenient assembly and maintenance

Induction Lamp Specifications

CCT: 5000K (2720-6500K available by order)
CRI: ≥80
Operating Frequency: 100-300 KHz
Lumen Maintenance: ≥70% at 60,000 hours
Rated Life: 100,000 hours

Electronic Ballast Specifications

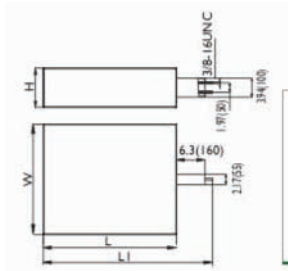
Voltage: 120-277V
Power Factor: ≥0.95
Input Frequency: 50/60 Hz
THD: ≤10%
Case Temperature: <65°C (149 °F)

Lamp Type	Wattage (W)	Rated Lumens (Lm)	Efficacy (Lm/W)	Input Power (W)	Input Current (A)
RT	150	12000-12750	80-85	158	1.31-0.59
RT	200	16000-17000	80-85	210	1.75-0.76
RT	250	21250-22500	85-90	263	2.19-0.95
ST	300 (2*150)	24000-25500	80-85	315	2.63-1.20
ST	400 (2*200)	32000-34000	80-85	420	3.50-1.52

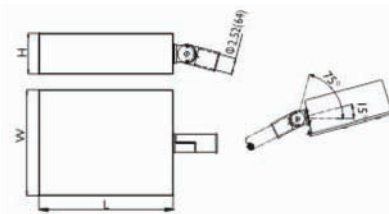
Dimensions

Wattage (W)	L (in./mm)	L1 (in./mm)	W (in./mm)	H (in./mm)
150/200	24.61 / 625	32.6 / 828	21.85 / 555	6.50 / 165
250/300/400	26.97 / 685	34.96 / 888	23.82 / 605	807 / 205

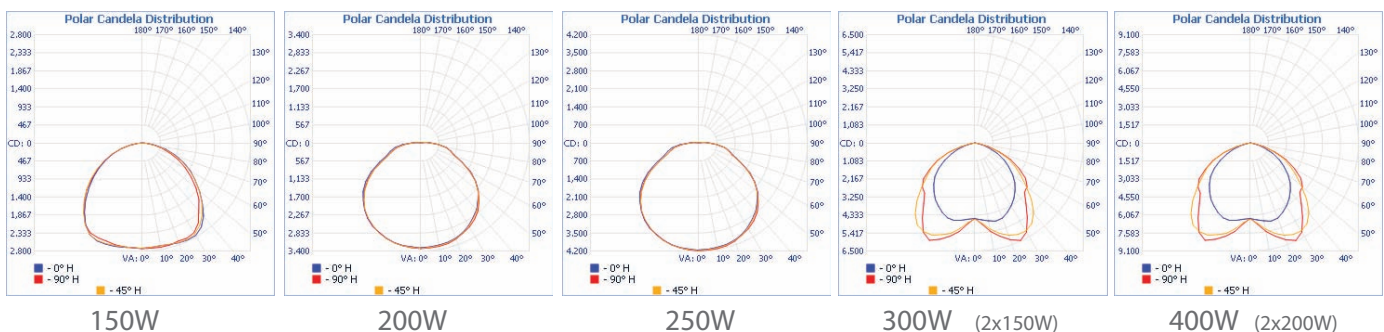
Two-Bolt Fixed Arm



Pivoting Arm Slip Fitter



Photometric Data

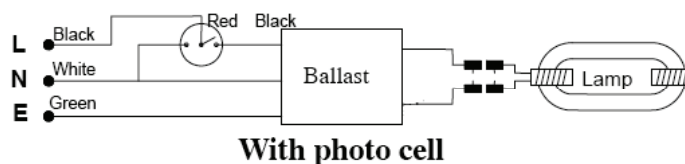
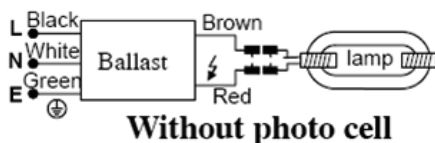


Ordering Information

example: NV- FLS-RT200W-SF

NV	-	[Fixture]	-	[Lamp]	-	[Optional Accessories]
		FLS		RT150W RT200W RT250W 2ST300W 2ST400W		SF - Slip Fitter Attachment With Pivoting Arm LS - Light Sensor/Photocell OS - Occupancy/Motion Sensor WR - Wireless Remote Control System AC - 0-10V Analog Control DC - Wall Pack Digital Control TC - Timing Control

Installation Instructions



NOTE: Efficient and reliable grounding is necessary for personal safety and the proper use and operation of the electronic ballast to meet EMC standards without interference to the equipment. Do not use this luminaire without proper grounding.

Important Safety Information:

1. This fixture must be installed in an area with good ventilation, no corrosive gases, and no combustible or explosive objects.
2. The supply voltage can vary by +20% and -18%. It will affect the operation of the lamp and damage the electronic ballast if it is outside of this range.
3. Maintenance should be done only after the power is cut off and the lamp has cooled down.
4. A three-core cable conductor is the best input lead of power supply. The insulation maximum temperature of the cable conductor should be 105°C (221°F).
5. Do not open the fixture cover or remove the lamp while the product is in use or the power is on.
6. This product should be installed and serviced by a certified electrician.

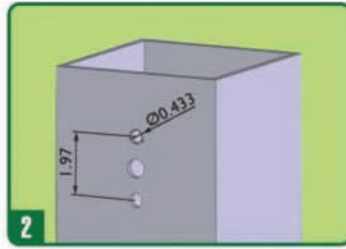
Installation Instructions

NOTE: Screws used to install lighting fixture must be 3/8-16 UNC; The distance between the screws is 1.97 inches

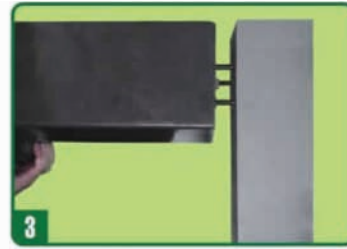
Two-Bolt Fixed Arm Installation



1 Remove the cover of lighting pole



2 Drill holes of above dimensions on the pole



3 Put wire leads of lighting fixture through the wire outlet hole of lighting pole.



4 Align the screws of lighting fixture with mounting hole of lighting pole and fasten them with stainless steel flat washer, spring washer and nut in place tightly.



5 Connect all wire leads as per wiring diagram and tape the connection with water resistant glue.



6 Put the cover back at the top of the pole.

Slip Fitter Pivoting Arm Installation



1 Unscrew the screw of the cover of the splitfitter and remove the cover.



2 Unscrew the hex bolt of the split fitter.



3 Detach the split fitter. Pull the cable from and through the hole of the split fitter. The cable shall be about 250mm long out of hole.



4 Pull the cable through the fixture. Set the angle and fasten the split fitter with the hex bolt.



5 Close the cover and fasten it with the screw.



6 Unscrew the 4 screws at the lamp compartment and Open the fixture.



7 Connect the wire to the terminal as per the diagram.



8 Close the fixture and fasten the four screws.



9 Assemble the pole with the fixture and tighten the two screws.

Warranty:

Nu Vue Lighting, LLC (Nu Vue) warrants that the induction lamp system shall be free from defect in material and workmanship for 10 years or 60,000 hours, whichever comes first when operated according to the conditions listed below. Warranty coverage period begins from original invoice date, if the original invoice cannot be found the warranty coverage begins from manufacture date (stamped on the electronic ballast and lamp tube).

Warranty Conditions:**Temperature Conditions:**

Induction lamp and ballast system (not including fixture): Maximum case temperature of the electronic ballast must be less than 65°C (149°F)

Induction lamp and ballast system (including fixture): Ambient temperature (where the induction lamp system is to be operating) must not exceed 40°C (104°F).

The temperatures stated above shall be determined by installing the induction lamp system in the field condition. After installation, if testing shows that the temperatures do not exceed the conditions described above, Nu Vue shall have the sole discretion to repair any parts of the product or to replace any defective induction lamp system free of charge to the place of original installation (provided that it is covered under the terms and conditions of this limited warranty). Please see full warranty for temperature check points. If Nu Vue replaced any defective product with new product the warranty coverage is from the original invoice date; not the replacement date. Any simulated field condition test concerning any induction lamp system which is claimed to be defective must be mutually agreed upon in writing. Nu Vue holds the right of being notified of and present at any such tests.

This limited warranty is only valid if the original purchaser or end user completes and submits a registration card with specific installation information within 30 days of product install. This constitutes the complete warranty for Nu Vue induction lamp systems and fixtures, unless other terms and conditions are established and agreed upon by both parties, in which case further documentation must be presented.

Nu Vue does not warrant the installation, maintenance, or service of induction lamp systems and fixtures. Nu Vue is not responsible for any ancillary equipment that was not provided by Nu Vue, which is attached to or used in connection with the induction lamp systems and fixtures, or for the operation of the induction lamps and fixtures with any ancillary equipment. All such equipment is to be excluded from this limited warranty. Further, Nu Vue shall not be responsible for any damage to the induction lamp systems and/or fixtures resulting from the use of any ancillary equipment with the induction lamp systems and fixtures.

If a retrofit kit (ballast and lamp only) is to have a valid 5 year warranty, a Retrofit Assessment Form must be submitted and approved by Nu Vue.

If Nu Vue does not approve of the specifications of the retrofit project the warranty is either voided or Nu Vue will honor a shorter warranty period that is assigned to the specific project.

What The Warranty Does Not Cover

This limited warranty is contingent upon the proper storage, installation, use and maintenance of the induction lamp systems and fixtures, as well as accordance with any further recommendations from Nu Vue. This limited warranty is not applicable to any induction lamp system that has been subjected to abnormal stresses and operating conditions such as temperatures in excess of maximum rated temperatures, under/over voltage, excessive switching cycles or operating hours or is not installed in accordance with Nu Vue's application guidelines and instructions. Nu Vue also will not cover any profile aluminum ballasts that were installed in existing High/Low Bay ballast compartments.

How to Obtain Warranty Service

If it appears that an installed induction lamp system and/or fixture does not meet the limited warranty set forth above, within the time periods stated above, the purchaser shall notify Nu Vue and make a warranty claim by calling 1-866-996-8883. After receiving proper authorization from Nu Vue, the defective induction lamp system and/or fixtures should be returned to the place of original purchase, unless otherwise directed by Nu Vue. If replacement parts or products are issued, clients have 14 days to return defective material upon receipt of replacement items. If defective material is not returned in the set time frame, a new invoice will be issued for the cost of replacement product.

General Provisions

This limited warranty sets forth the entirety of Nu Vue's responsibilities regarding the induction lamp systems and fixtures. Complete compensation for a defective induction lamp system and/or fixture consists only of the replacement of the defective lamp system and/or fixture. Limitations of liability: under no circumstances, whether as a result of breach of contract, breach of warranty, tort, strict liability or otherwise, will NU VUE be liable for consequential, incidental, special or exemplary damages, including but not limited to, loss of profits, loss of use or damage to any property or equipment, cost of capital, cost of substitute product, facilities or services, down time costs, or claims of claimant's customers. Nu Vue's liability for claims of any kind or for any loss or damages arising out of, resulting from or concerning any aspect of this warranty or from the induction products or services furnished hereunder, shall not exceed the price of the specific induction lamp system and the fixture products which gives right to the claim. IN NO EVENT SHALL NU VUE BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE INDUCTION LAMP SYSTEM, FOR ANY LOSS OF USE, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS, LOST PROFITS OR SAVINGS OR OTHER INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE SUCH INDUCTION LAMP SYSTEM AND THE FIXTURE TO THE FULL EXTENT THAT SUCH MAY BE DISCLAIMED BY LAW.