

Please verify the contents of the packages!

Please read instructions entirely before starting installation. Be sure power is turned off before installing or modifying the system.

Call Tivoli, LLC tech support with questions.

Caution: Versiline™ Seat Light is designed to work with listed Class 2 12V DC transformers only. Use of any other power source will cause damage, shorten the life of the fixture and will void the warranty.

Consult any and all applicable local and national codes for installation.

Do not conceal or extend exposed conductors through a building wall as per local electrical code.

Warning: With any luminaire for any application, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injuries. This lighting system should be installed by a certified professional.

Preparation Requirements before Installation



NOTE: THIS SEAT LIGHT IS INTENDED TO BE INSTALLED BY THE SEAT MANUFACTURER.

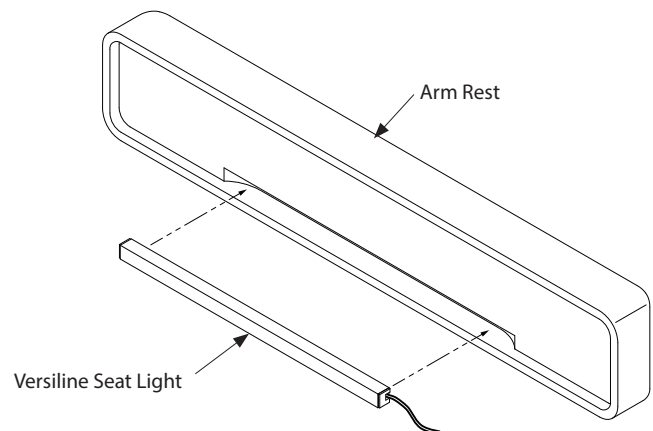
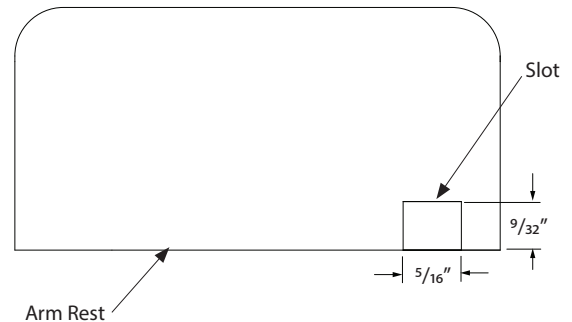
IMPORTANT! Versiline™ Seat Light is designed to be concealed inside the arm rest of a theater seat. Most often, it is necessary to mill a channel in the underside of the arm rest that is the size of the Versiline™ fixture. This step is usually performed when the seat is being manufactured.

Step 1: Mill a channel that is the size of the Versiline™ fixture, which is 5/16" wide and 9/32" deep.™ The length of the milled channel should be long enough to accommodate the length of the fixture. The Versiline™ Seat Light is available in multiple lengths, ranging from 3" to 11".

Step 2: Determine the Cable path and machine the arm rest and standard accordingly, and add channel and holes for cable routing.

Step 3: Apply clear silicone adhesive to mounting surface of Versiline™ fixture and insert into channel that was milled in the arm rest. (Adhesive by others)

Step 4: Run cable down seat standard to seat leg and secure in place.

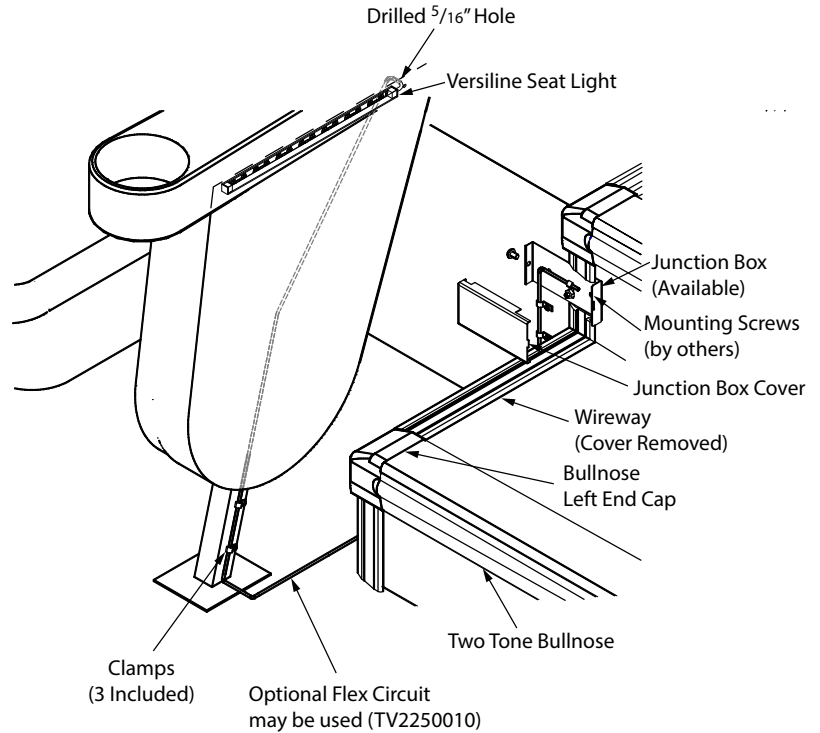


Installation Instructions (In Venue)

Installation with Junction Box in Riser

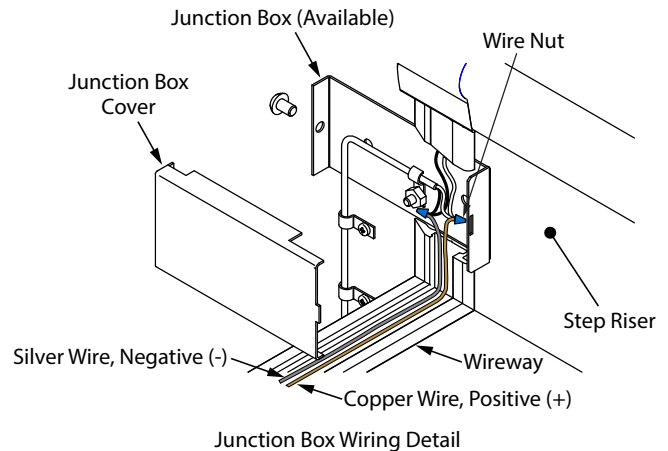
Step 1: The Versiline™ Seat Light should already be installed on the chair standard close to the bottom of the arm rest. Optimal height from floor is 18-21".

Step 2: Route the cable down to the leg of the chair to the floor. Secure at the bottom of the frame with clamps (3) provided.



Step 3: The junction box (available separately) must align with the wireway and be mounted on the vertical rise of the step, so that the cutout of the junction box lines up with the wireway, see detail. Mounting screws by others.

Step 4: Feed the wires along wireway to junction box and make wire connections using wire nuts, making sure the Copper Strand Wire is connected to the positive (+) wire and that the Silver strand wire is connected to the negative (-) wire. Optional flex conduit may be used to protect wirerun between chair frame and junction box (available from Tivoli).



Installation Instructions (Continued)

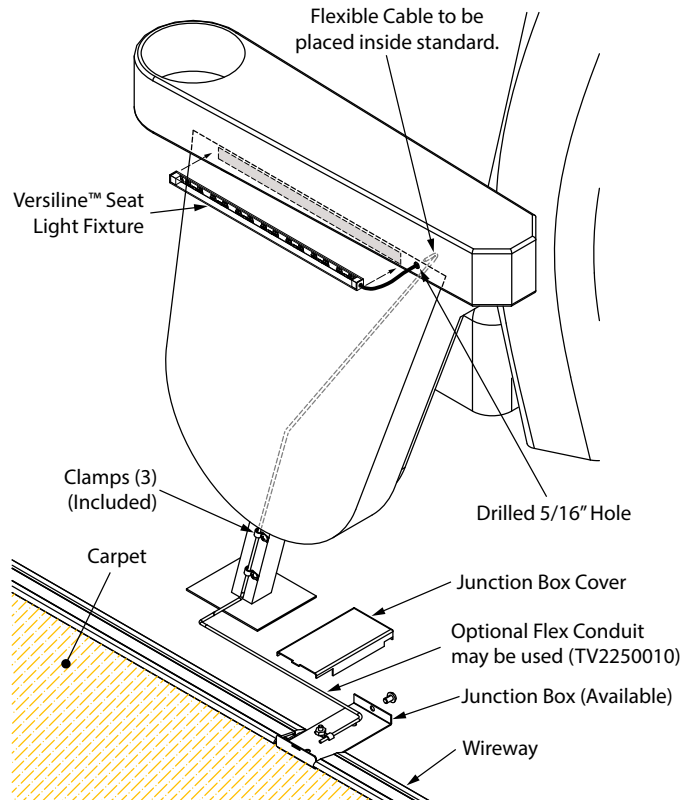
Installation with Junction Box On Floor

Step 1: The Versiline™ Seat Light should already be installed on the chair standard close to the bottom of the arm rest.

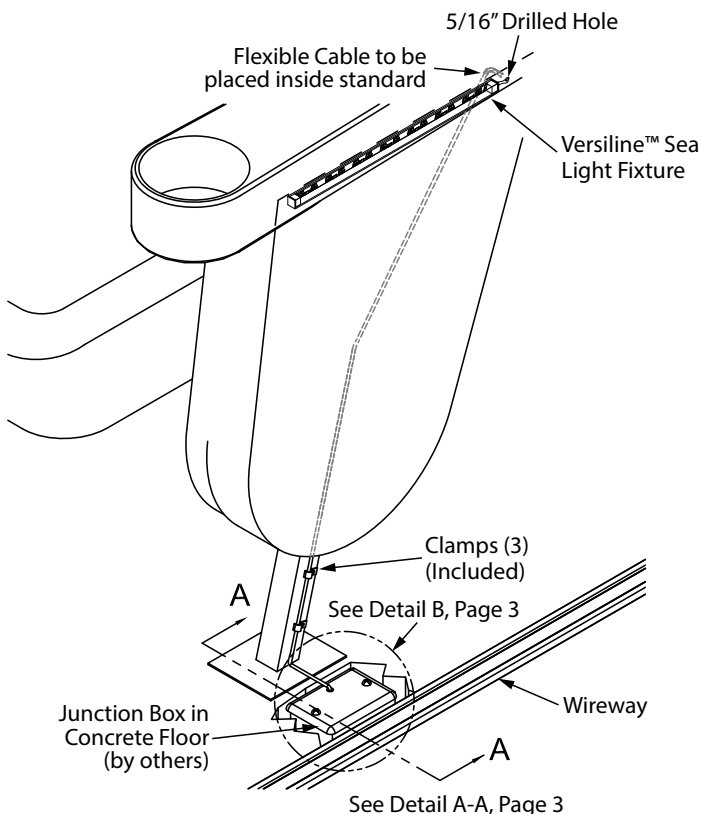
Step 2: Route the cable down to the leg of the chair to the floor. Secure at the bottom of the frame with clamps (3) provided.

Step 3: The junction box (available separately) must align with the wireway and be mounted on the bare finished floor, so that the cutout of the junction box lines up with the wireway, see detail. Mounting screws by others.

Step 4: Feed the wires along wireway to junction box and make wire connections using wire nuts, making sure the Copper Strand Wire is connected to the positive (+) wire and that the Silver strand wire is connected to the negative (-) wire. Optional flex conduit may be used to protect wirerun between chair frame and junction box (available from Tivoli).



Installation with Junction Box Recessed in Floor



Step 1: The Versiline™ Seat Light should already be installed on the chair standard close to the bottom of the arm rest.

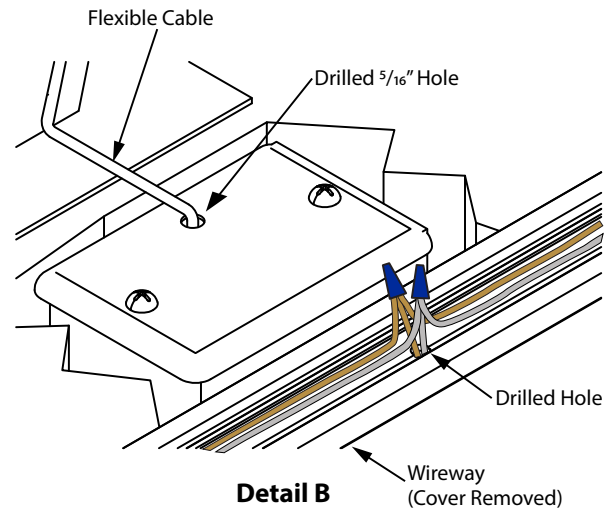
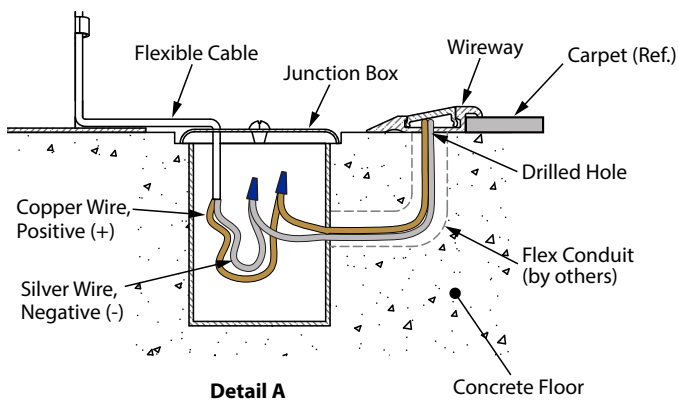
Step 2: Route the cable down to the leg of the chair to the floor. Secure at the bottom of the frame with clamps (3) provided.

Installation Instructions (Continued)

Step 3: Drill a $\frac{5}{16}$ " diameter hole into the junction box lid. Feed flexible cable through hole.

Step 4: Drill a $\frac{5}{16}$ " diameter hole into wireway extrusion. Be sure hole is aligned with flex conduit (Step 1).

Step 5: Feed wires along wireway and through hole and flex conduit to the junction box and make wire connections using wire nuts, making sure the Copper Strand Wire is connected to the positive (+) wire and that the Silver strand wire is connected to the negative (-) wire.



Product Specification Guide

In order to operate a Class 2 lighting system properly, it is important to select wires with the right gauge to minimize significant voltage drop. The following charts provide a reference for determining the wire size according to the maximum connection wire length from power supply to lighting fixtures.

Max Fixtures Per 55W Max Run

TUBE LENGTH	NO. OF LEDS	WATTS PER FIXTURE	FIXTURES PER BREAKER
3"	3	0.24W	229
4.5"	6	.48W	114
6.5"	9	.70W	78
9"	12	.92W	59
11"	15	1.15W	47

12V DC Class 2 Lighting System	
Wire Gauge	Max. Connection Wire Length (FT)
18	90
16	95
14	100
12	105