

Normally-Off Steel Egress Luminaire

WARNING:
Risk of Electrical Shock.
Disconnect Power before Installation.

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. All servicing should be performed by qualified service personnel.
2. All unused wires must be capped to prevent shorting.
3. Do not use outdoors.
4. Do not let power supply cords touch hot surfaces.
5. Do not mount near gas or electric heaters.
6. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition and void warranty.
8. Do not use this equipment for other than intended use.
9. Unit to be installed only as per configuration described in this instruction sheet.

Important: Maximum installation height: See tables, page 2.

CAUTION: DO NOT LOOK DIRECTLY INTO ILLUMINATED LUMINAIRE.

SAVE THESE INSTRUCTIONS

Installation Instructions

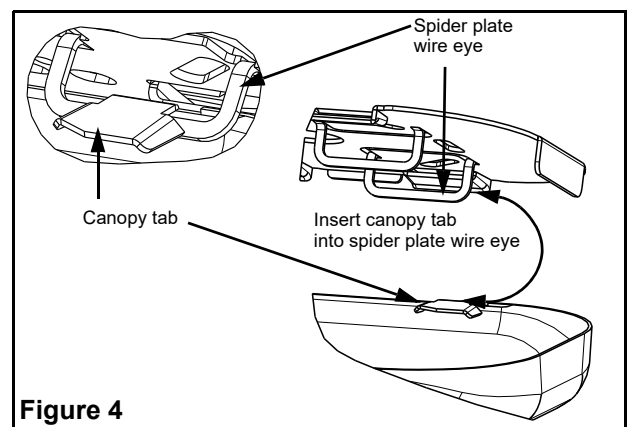
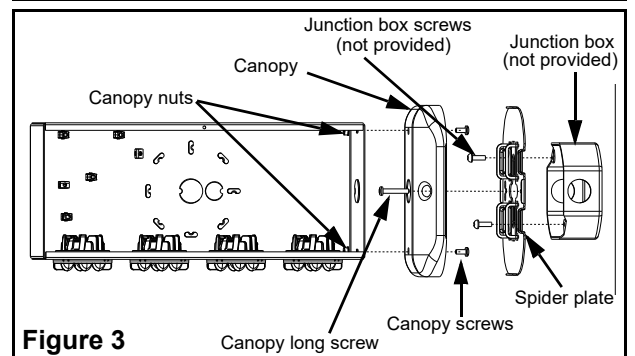
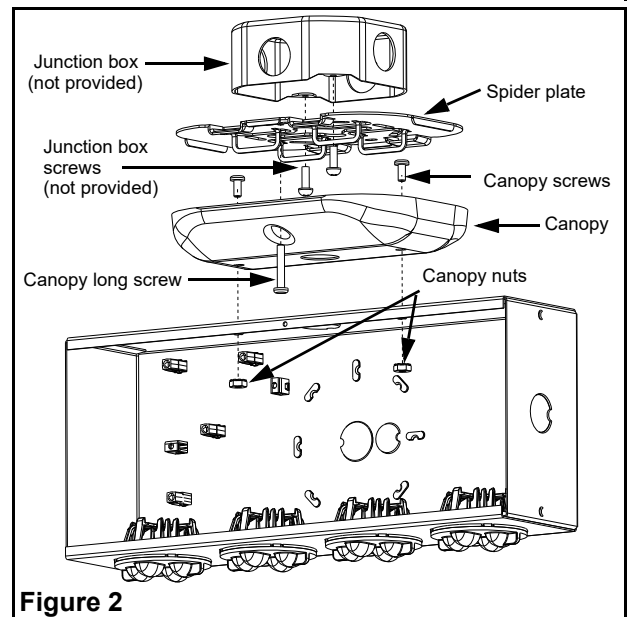
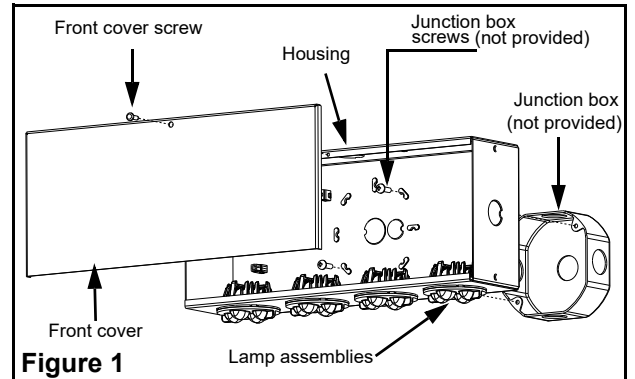
1. Turn off unswitched AC power.
2. Feed AC unswitched circuit of rated voltage into junction box and leave 6" of wire length.
3. Remove front cover and reserve screw.

Wall Mounting

- a. Place the housing back side down on a flat surface. Use a flat head screwdriver to remove the large knockout and the proper knockout pattern corresponding to a standard junction box. (See fig. 1)
Note: To facilitate the removal on the knockouts, place a roll of tape or other means to raise the unit up off the flat surface.
- b. Install bushing through large knockout.
- c. Feed AC wires through the installed bushing into the housing.
- d. Mount housing to the junction box.
- e. To connect AC supply: see "Electrical Connections"

Canopy - Ceiling or End mount (Figure 2 & 3)

- a. Determine the desired location of luminaire. Refer to (page 2) for maximum installation height.
- b. Fasten the spider plate to the junction box using the junction box screws.
- c. Remove three knockouts on the top or side depending on your installation orientation.
- d. Install bushing through large knockout.



- e. Using the screws and nuts provided, fasten the canopy to the housing. (See fig. 2 & 3)
- f. Hang the canopy-housing assembly using the tabs on canopy and wire eyes on the spider plate. (See fig. 4)
- g. Feed AC wires through the installed bushing into the housing.
- h. To connect AC supply: see “Electrical Connections”

Pendant mounting kit option: see installation instruction sheet 750.2293 supplied with kit.

Electrical Connections

1. Make the proper connections: the system can accept input voltages of 120 VAC to 277 VAC. Connect the black to 120 VAC or 277 VAC and white (common) leads to the building utility. Connect the green wire to the ground. (See fig. 5)
2. Align canopy tab with spider plate indentation and slide into final position. (See fig. 6)
3. Fasten the canopy-housing assembly to the spider plate using canopy long screw.
4. Replace the unit cover and screw into place.
5. Rotate lamps in either direction to orient the beam to the path of egress. Lamps have a full rotation of 355 degrees. (See figure 7)
6. Energize AC.

Manual Testing

Unit must be tested according to the Life Safety and local Codes.

Important: Unit operating temperatures:
 2 & 3 lamps units: -40°C to 40°C (-40°F to 104°F).
 4 lamp units: -40°C to 50°C (-40°F to 122°F)
 Operating temperatures outside those limits will void warranty.

Warranty: For the complete warranty information, please refer to the home page of our website (<https://tnb.ca.abb.com/en/products/emergency-lighting/>).

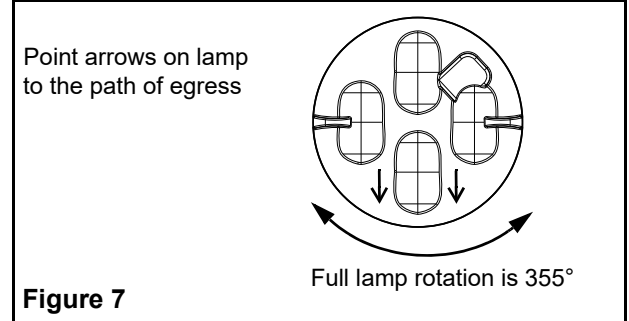
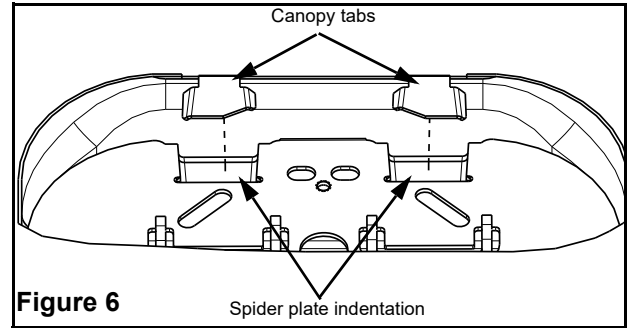
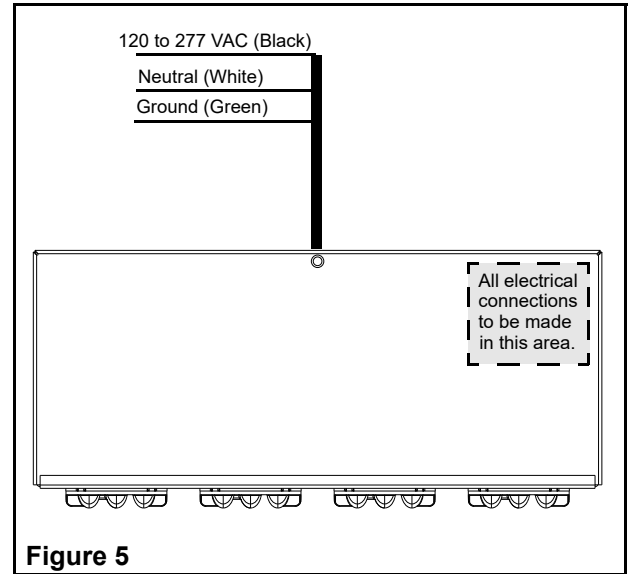


Table 1: Single Luminaire Coverage (L_S) (fig. 8)

Height (H) Feet [Meters]	2 lamp Luminaire		4 lamp Luminaire	
	Center of aisle	Wall Mounted	Center of aisle	Wall Mounted
20 [6.1]	74ft [22.6m]	67ft [20.4m]	78ft [23.8m]	28ft [8.5m]
30 [9.1]	118ft [36m]	102ft [31.1m]	114ft [34.7m]	110ft [33.5m]
40 [12.2]	96ft [29.3m]	56ft [17.1m]	168ft [51.2m]	164ft [50.0m]
50 [15.2]	-	-	182ft [55.5m]	168ft [51.2m]
60 [18.3]	-	-	132ft [40.2m]	116ft [35.4m]
70 [21.3]	-	-	60ft [18.3m]	34ft [10.4m]

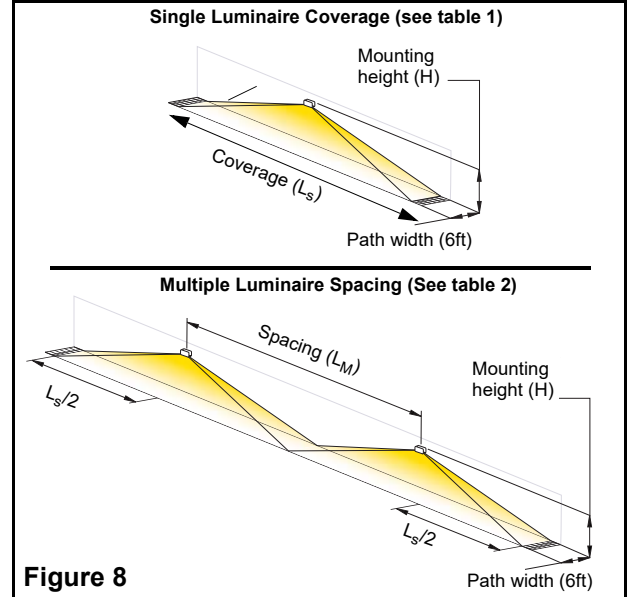


Table 2: Multiple Luminaire Spacing per unit (L_M) (fig. 8)

Height (H) Feet [Meters]	2 lamp Luminaire		4 lamp Luminaire	
	Center of aisle	Wall Mounted	Center of aisle	Wall Mounted
20 [6.1]	82ft [25.0m]	74ft [22.6m]	82ft [25.0m]	70ft [21.3m]
30 [9.1]	118ft [36.0m]	110ft [33.5m]	118ft [36.0m]	118ft [36.0m]
40 [12.2]	108ft [32.9m]	94ft [28.7m]	190ft [57.9m]	190ft [57.9m]
50 [15.2]	88ft [26.8m]	78ft [23.8m]	188ft [57.3m]	172ft [52.4m]
60 [18.3]	62ft [18.9m]	50ft [15.2m]	160ft [48.8m]	148ft [45.1m]
70 [21.3]	-	-	132ft [40.2m]	128ft [39.0m]