

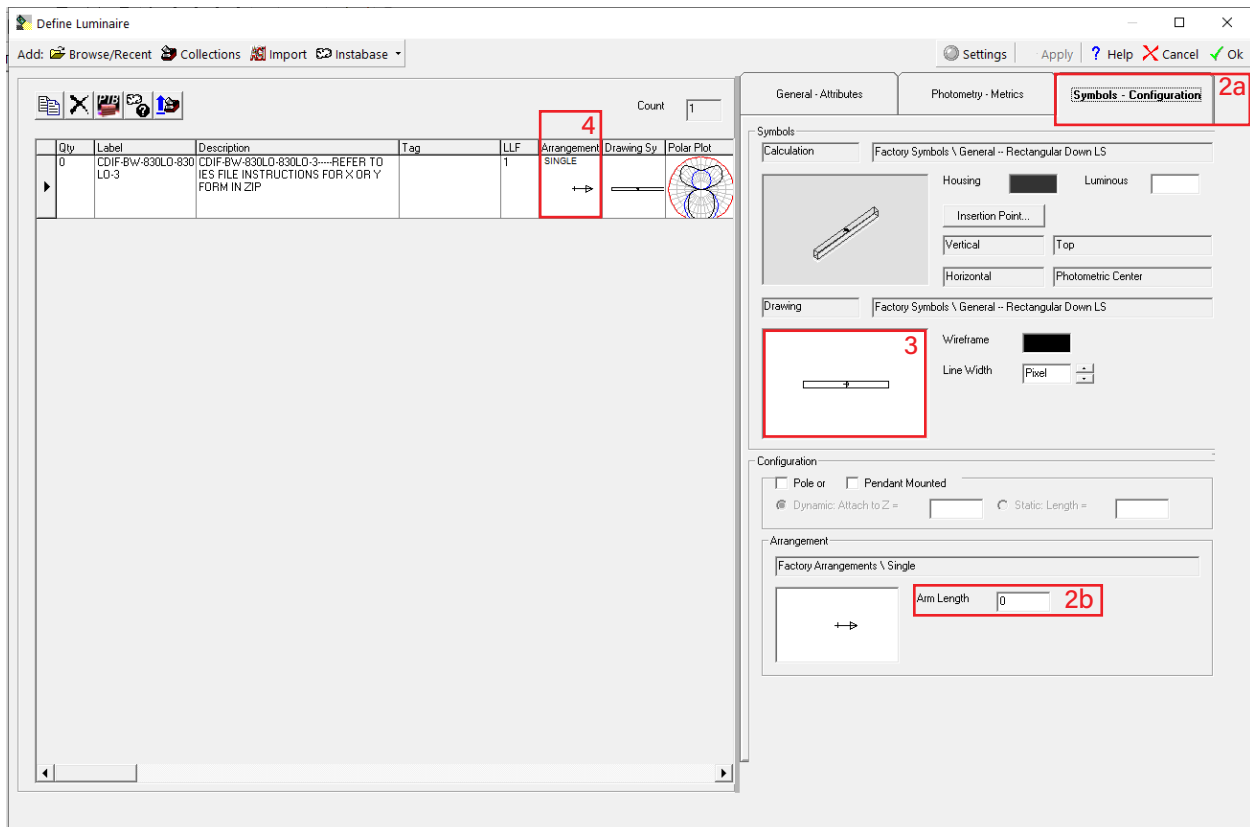


HOW TO CREATE A CHUTE FORM FIXTURE USING AGI32 OR VISUAL

For accurate light calculations of Chute Forms using lighting design software, Pinnacle recommends assembling an arrangement from individual 2-foot or 3-foot Leg Chute Form IES files. Use the steps below to assemble a Chute Form in AGI32 or Visual software.

ASSEMBLING A CHUTE FORM IN AGI32 AGI32 V20 SHOWN

- Determine the fixture configuration needed and drag-drop/open your IES file as with a typical luminaire:
 - Choose Chute Form IES file with Leg length of 2' or 3' as required
- Change Arm Length and fixture symbol, by clicking the 'Symbols - Configuration tab' and changing the Arm Length value:
 - For a 2' Leg Form (Y2 or X2), enter 1.1 in the Arm Length field
 - For a 3' Leg Form (Y3 or X3), enter 1.6 in the Arm Length field
- Next, click the Drawing Symbol to change the fixture symbol from default and choose your preferred symbol or use those recommended below:
 - Suspended Direct: Category > General > Rectangular Down
 - Suspended Direct-Indirect: Category > Suspended Linear > Rectangular UpDown 3
- Finally, click the Arrangement Icon and choose your required arrangement:
 - For Y Form, choose '3 @ 120 DEGREES'
 - For X Form, choose '4 @ 90 DEGREES'





Luminaire Arrangements

Factory	Custom	All	
10 @ 36 DEGREES 	12 @ 30 DEGREES 	2 @ 90 DEGREES 	3 @ 120 DEGREES 4b
3 @ 90 DEGREES 	4 @ 90 DEGREES 4b	6 @ 60 DEGREES 	8 @ 45 DEGREES
BACK-BACK 	SINGLE 	TWIN 	TWIN BACK-BACK

5. Click 'Apply' to save the changes; the form is now assembled. If desired, you can now remove the reminder that shows in the fixture schedule Description by updating the 'Description' section within the 'General - Attributes' tab.

Note: You do not need to update fixture wattage as AGi32 will calculate total watts for the arrangement in a schedule.



SUPPLEMENTAL IMAGERY

AGi32 Define Luminaire default screen

The screenshot shows the 'Define Luminaire' window in AGi32. The main table lists the luminaire details:

Qty	Label	Description	Tag	LLF	Arrangement	Drawing Sy	Polar Plot
0	CDIF-BW-830LO-830LO-3	CDIF-BW-830LO-830LO-3—REFER TO IES FILE INSTRUCTIONS FOR X OR Y FORM IN ZIP		1	SINGLE		

On the right, the 'General - Attributes' tab is active, showing the following fields:

- Label:** CDIF-BW-830LO-830LO-3
- Description:** CDIF-BW-830LO-830LO-3—REFER TO IES FILE INSTRUCTIONS FOR X OR Y FORM IN ZIP
- Tag:**
- Filename:** CDIF-BW-830LO-830LO-3IES

Below these fields is the 'Attributes' table:

Display Name	Value
Filename	CDIF-BW-830LO-830LO-3IES
(MANUFAC)	PINNACLE ARCHITECTURAL LIGHTING
(LUMCAT)	CDIF-BW-830LO-830LO-3—REFER TO IES FILE INSTRUCTIONS FOR X OR Y FORM IN ZIP

AGi32 Luminaire symbol selection

The screenshot shows the 'Luminaire Symbols' window. The 'Selection Options' section on the left shows the 'Factory Symbols' folder selected. The main table lists various luminaire symbols with their dimensions and counts.

Name	Folder	Category	Surfaces	Size (X, Y, Z)
General - Circular Down	Factory Symbols	General	14	Ft: 2, 2, 0.3 Inch: 24, 24, 3.6 m: 0.61, 0.61, 0.09 mm: 610, 610, 91
General - Circular Down LS	Factory Symbols	General	28	Ft: 1, 1, 0.45 Inch: 12, 12, 5.4 m: 0.3, 0.3, 0.14 mm: 305, 305, 137
General - Circular Up	Factory Symbols	General	14	Ft: 2, 2, 0.3 Inch: 24, 24, 3.6 m: 0.61, 0.61, 0.09 mm: 610, 610, 91
General - Circular Up LS	Factory Symbols	General	28	Ft: 1, 1, 0.45 Inch: 12, 12, 5.4 m: 0.3, 0.3, 0.14 mm: 305, 305, 137
General - Null	Factory Symbols	General	1	Ft: 0.02, 0.02, 0.01 Inch: 0.2, 0.2, 0.1 m: 0.01, 0.01, 0 mm: 6, 6, 3
General - Rectangular Down	Factory Symbols	General	6	Ft: 1, 1, 0.3 Inch: 12, 12, 3.6 m: 0.3, 0.3, 0.09 mm: 305, 305, 91
General - Rectangular Down LS	Factory Symbols	General	12	Ft: 1, 1, 0.45 Inch: 12, 12, 5.4 m: 0.3, 0.3, 0.14 mm: 305, 305, 137
General - Rectangular Up	Factory Symbols	General	6	Ft: 1, 1, 0.3 Inch: 12, 12, 3.6 m: 0.3, 0.3, 0.09 mm: 305, 305, 91
General - Rectangular Up LS	Factory Symbols	General	12	Ft: 1, 1, 0.45 Inch: 12, 12, 5.4 m: 0.3, 0.3, 0.14 mm: 305, 305, 137

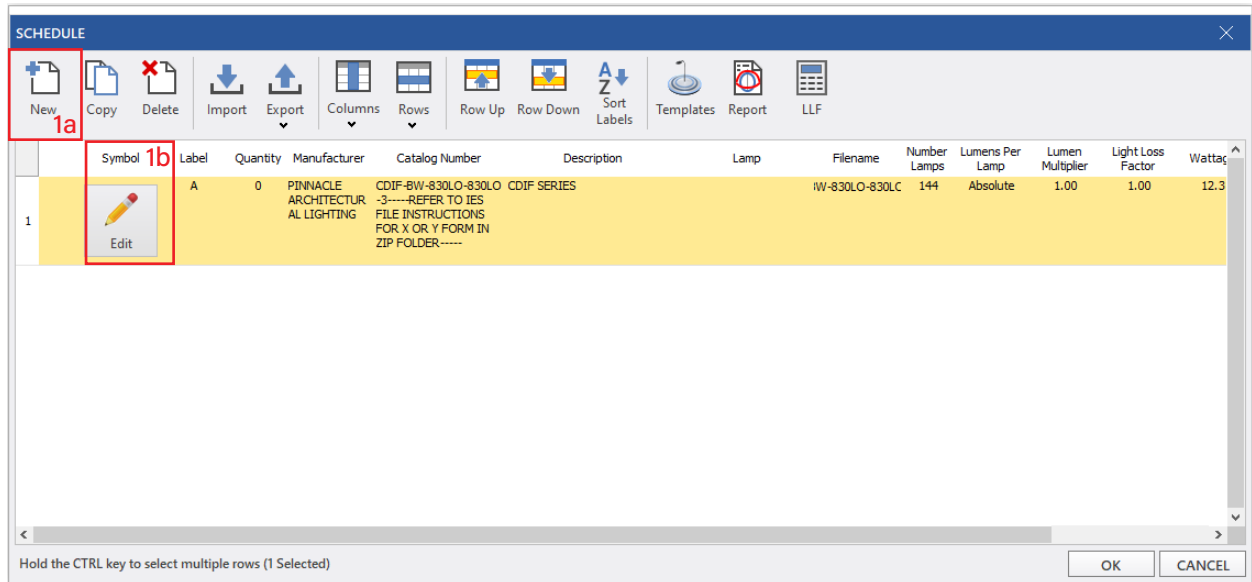
On the right, the 'Calculation Symbol' section shows the 'Factory Symbols \ General - Rectangular Down LS' symbol selected. The 'Housing' and 'Luminous' boxes are shown, along with the 'Insertion Point' settings (Vertical: Photometric Center, Horizontal: Photometric Center). The 'Photometric Center Offset From Insertion Point' is set to X: 0, Y: 0, Z: -0.375. The 'Luminous Box' size is set to X: 3, Y: 0.21, Z: 0.214. The 'Symbol Size' is set to X: 3, Y: 0.21, Z: 0.45. The 'Drawing Symbol' section shows the 'Factory Symbols \ General - Rectangular Down LS' symbol selected.



ASSEMBLING A CHUTE FORM IN VISUAL LIGHTING 2020 (2.11.0094) SHOWN

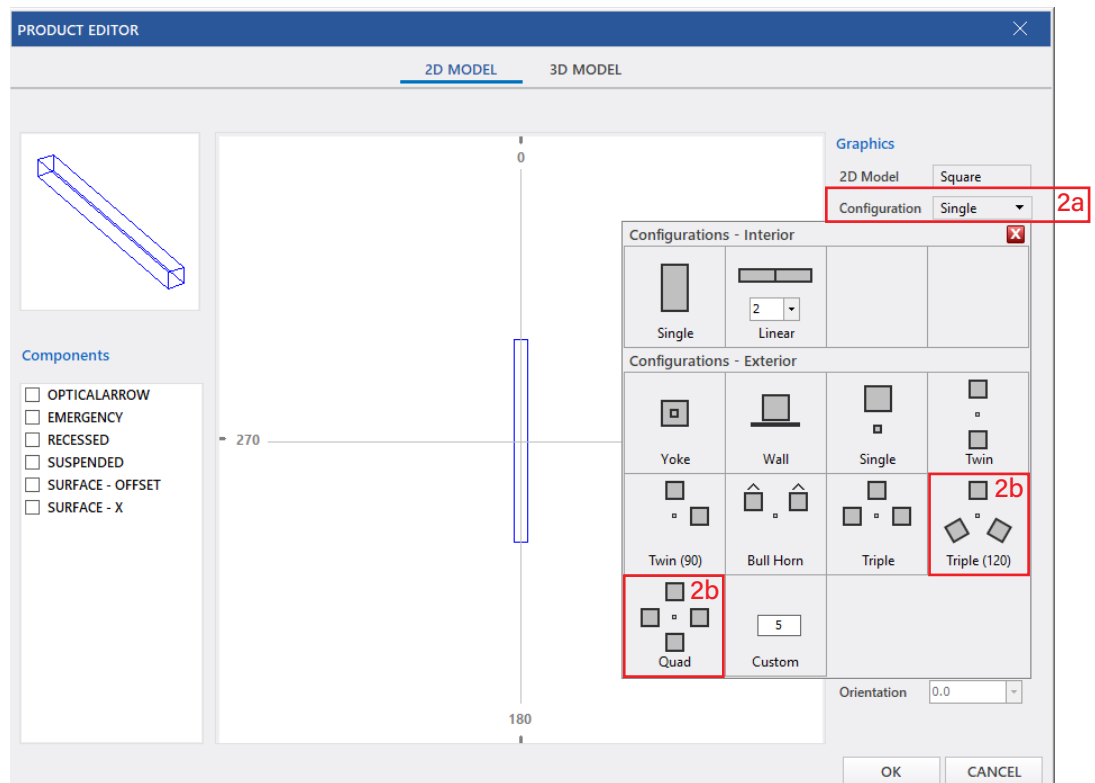
1. Determine the fixture configuration needed and drag-drop/open your IES file as with a typical luminaire:

- Choose Chute Form IES file with Leg length of 2' or 3' as required
- Hover over the Symbol icon and click 'Edit'



2. Under the 'Configuration' dropdown, select the desired Chute Forms arrangement:

- For Y Form, choose 'Triple (120)'
- For X Form, choose 'Quad'
- Click OK





3. Next, under 'Support' change the Length to "0.15". Then uncheck the 'Pole' option under 'Graphics.'
Note: The 'Length' field will become non-editable; recheck the 'Pole' option if changes are needed to the Length.

4. Click 'OK' to save the changes; the form is now assembled. If desired, you can now remove the reminder that shows in the fixture schedule Catalog Number by updating the 'Catalog Number' section within the Schedule.

Note: You do not need to update fixture wattage as Visual will automatically adjust the total watts for the arrangement in a schedule.

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Filename	Number Lamps	Lumens Per Lamp	Lumen Multiplier	Light Loss Factor	Wattage
1	A	2	PINNACLE ARCHITECTURAL LIGHTING	CDIF-BW-830LO-330LO-3-REFER TO IES FILE INSTRUCTIONS FOR V OR Y FORM IN ZIP FOLDER	CDIF SERIES		W-830LO-830LC	144	Absolute	1.00	1.00	36.9