

Linear

TruGroove

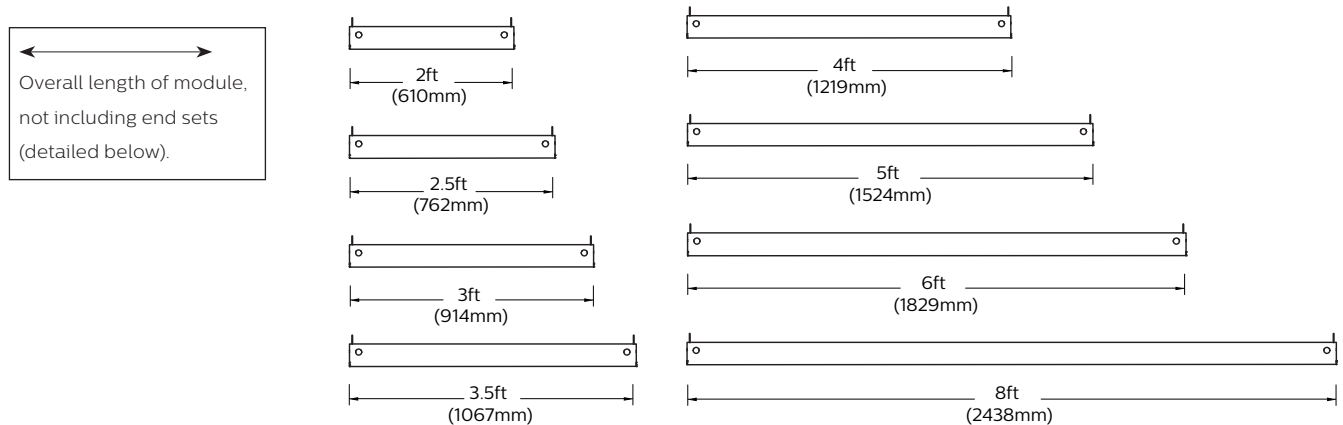
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Row Configurations

Standalone or continuous run configurations

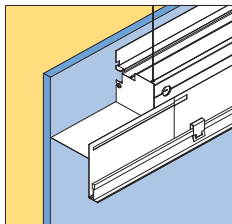
Module Lengths

TruGroove Perimeter modules are available in the following lengths (exact, without end sets):

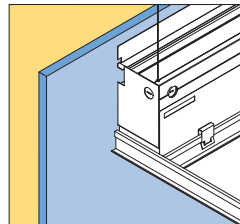


End Sets

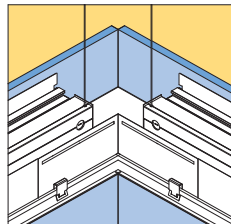
Module lengths do not include end sets. Use fixed / pocket end sets for slot lengths in 6" steps and add the end plate thickness at each end to get overall slot length. Use variable / wall end sets for other lengths, cutting the blanking plate to close the slot opening. See page 3 for exact details.



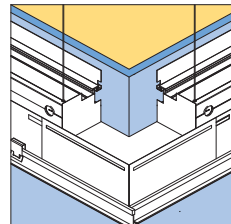
Variable / Wall T-Grid or Drywall



Fixed / Pocket T-Grid



Variable Inside Corner T-Grid or Drywall



Variable Outside Corner T-Grid or Drywall

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Row Configurations - Perimeter Straights

The table to the right shows how TruGroove Perimeter modules can be combined (in any order) to handle slot/cove lengths starting from 2ft.

To get module counts for slots longer than 16ft:

1. Divide slot length by 8ft to get quotient & remainder
2. If remainder is zero, quotient is no. of 8ft modules
3. Otherwise, base number of 8ft modules is quotient - 1
4. Add 8ft to the remainder
5. Look up the rest of the run in the table (8.5-16ft section)

Example: 45.5ft:

1. 45.5ft/8ft = 5 remainder 5.5
2. Remainder is not zero
3. Base no. of 8ft modules = 5 - 1 = 4
4. Rest of run = 5.5ft + 8ft = 13.5ft
5. Lookup 13.5ft in table: 1 x 6ft, 1 x 4ft, 1 x 3.5ft

Total run: 4 x 8ft, 1 x 6ft, 1 x 4ft, 1 x 3.5ft

Slot/Wall Length	Total Module Length	Module Count								Total Module Count
		2'	2.5'	3'	3.5'	4'	5'	6'	8'	
2' - 2.49'	2'	1								1
2.5' - 2.99'	2.5'		1							1
3' - 3.49'	3'			1						1
3.5' - 3.99'	3.5'				1					1
4' - 4.49'	4'					1				1
4.5' - 4.99'	4.5'	1	1							2
5' - 5.49'	5'						1			1
5.5' - 5.99'	5.5'	1			1					2
6' - 6.49'	6'							1		1
6.5' - 6.99'	6.5'		1			1				2
7' - 7.49'	7'			1		1				2
7.5' - 7.99'	7.5'				1	1				2
8' - 8.49'	8'								1	1
8.5' - 8.99'	8.5'		1					1		2
9' - 9.49'	9'			1				1		2
9.5' - 9.99'	9.5'				1			1		2
10' - 10.49'	10'					1		1		2
10.5' - 10.99'	10.5'		1					1		2
11' - 11.49'	11'			1					1	2
11.5' - 11.99'	11.5'				1			1		2
12' - 12.49'	12'					1		1		2
12.5' - 12.99'	12.5'		1			1		1		3
13' - 13.49'	13'						1	1		2
13.5' - 13.99'	13.5'				1	1		1		3
14' - 14.49'	14'							1	1	2
14.5' - 14.99'	14.5'		1		1			1		3
15' - 15.49'	15'			1		1		1		3
15.5' - 15.99'	15.5'				1	1			1	3
16' - 16.49'	16'								2	2
16.5' - 16.99'	16.5'		1					1	1	3
17' - 17.49'	17'			1				1	1	3
17.5' - 17.99'	17.5'				1			1	1	3
18' - 18.49'	18'					1		1	1	3
18.5' - 18.99'	18.5'		1						2	3
19' - 19.49'	19'			1					2	3
19.5' - 19.99'	19.5'				1				2	3
20' - 20.49'	20'					1			2	3
20.5' - 20.99'	20.5'		1			1		1	1	4
21' - 21.49'	21'						1		2	3
21.5' - 21.99'	21.5'				1	1		1	1	4
22' - 22.49'	22'							1	2	3
22.5' - 22.99'	22.5'		1			1			2	4
23' - 23.49'	23'			1		1			2	4
23.5' - 23.99'	23.5'				1	1			2	4
24' - 24.49'	24'								3	3

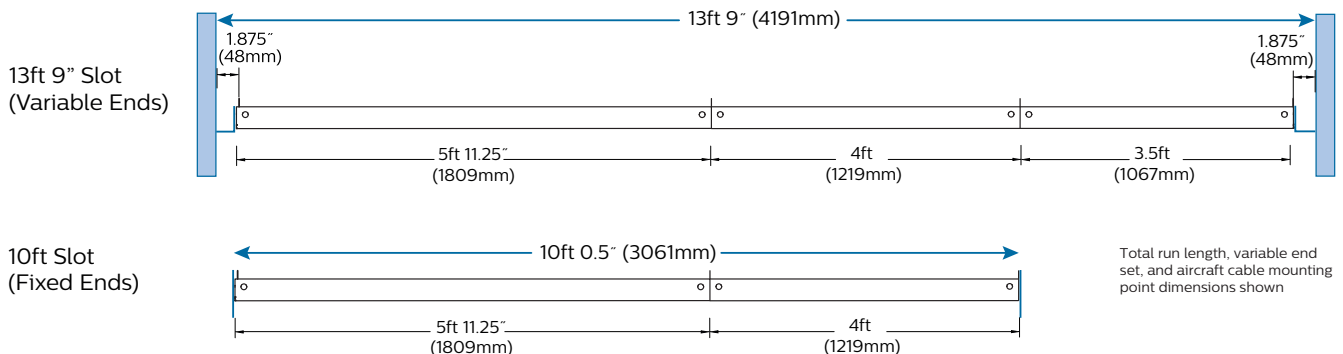
Mount & Power Feed Locations

On the wall side, modules are supported by the included j-rail; while on the ceiling side, modules are suspended from the building structure using an aircraft cable and gripper system.

Slot panels and end sets use clips to attach directly to the T-bar for T-grid ceiling installations. For drywall ceiling installations, aluminum trim or trimless (mud-in) extrusions are screwed directly to the ceiling structure to finish the slot.

Refer to installation instructions for details.

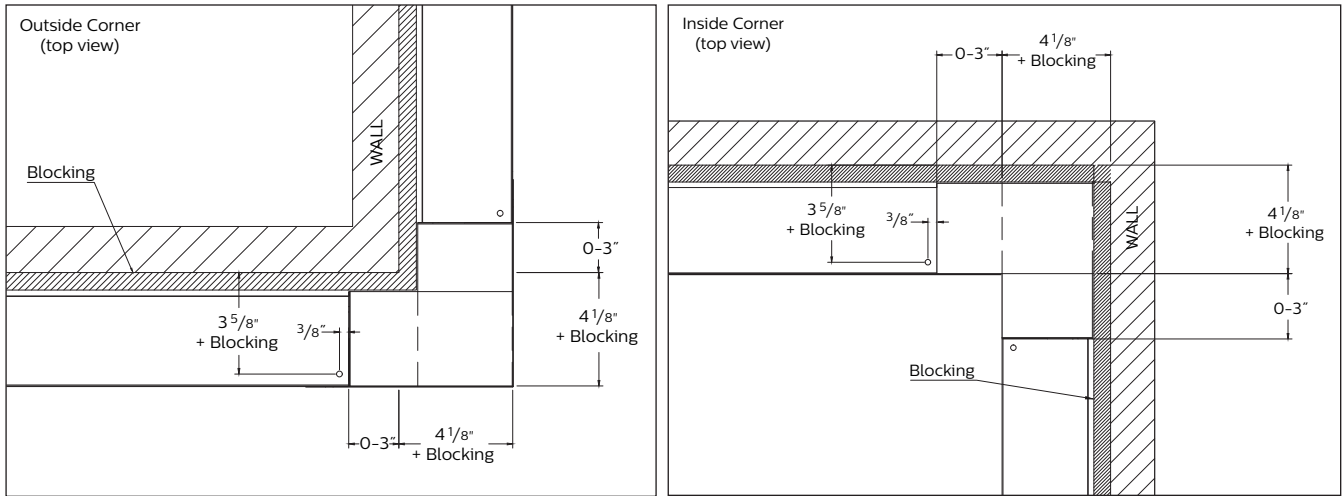
Example Row Layouts (Side View)



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Row Configurations - Corner and End Set Detail



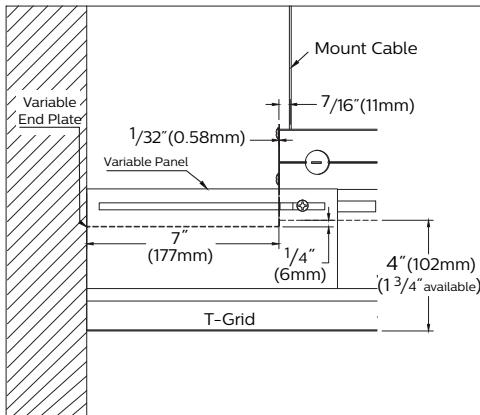
Outside Corner - Top View (example)

Inside Corner - Top View (example)

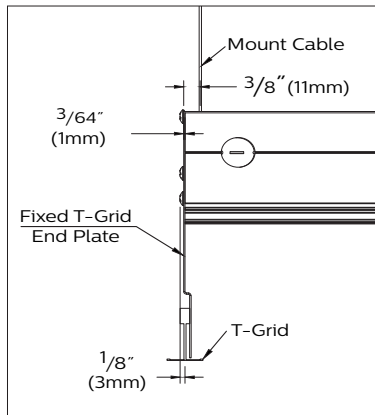
Blocking in Corners:

When installing TruGroove perimeter, blocking is the variable dimension of the space between the luminaire and the wall structure. In most cases this added dimension is between 0-1/4" but significant increases to the blocking can change which module lengths are required to complete straight runs coming into corners. Any increase in blocking will increase the total linear run length for a straight run coming into an outside corner, and will reduce the length coming into an inside corner.

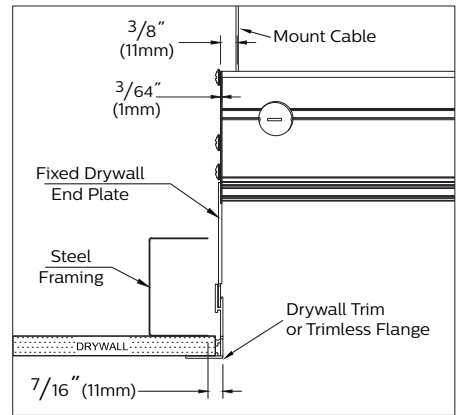
As an example, in addition to unique building requirements, blocking might be required to compensate for the additional thickness of a textured wall used with TruGroove perimeter graze.



Variable/Wall End Set Detail
T-Grid and Drywall



Fixed/Pocket End Set Detail
T-Grid



Fixed/Pocket End Set Detail
Drywall

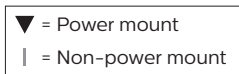
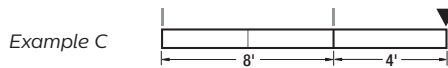
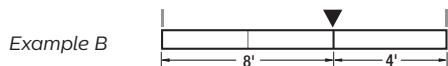
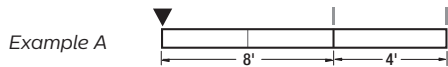
! ATTENTION: Install in accordance with national and local building and electrical codes.

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Power Feed

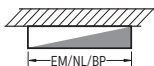
Power for the entire row can be placed at either end or any joint. Power feed entrances are located as knock-outs in the end caps or wire access covers on the room side of the luminaire. See examples below.



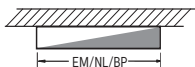
Emergency Circuit (EM), Night Light (NL) or Battery Pack (BP) Option

Ambient version modules are available with an optional EM/NL circuit or BP. Each EM/NL/BP circuit powers the length of a 4', 5' or 6' module, or one 4' section of an 8' module. Note: As standard the EM/NL/BP is located on the right side when facing the wall.

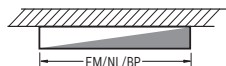
4ft module



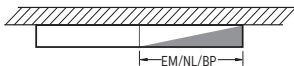
5ft module



6ft module

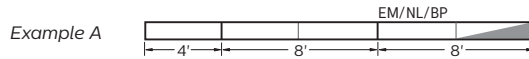


8ft module

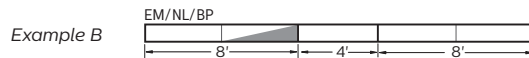


Emergency Circuit (EM), Night Light (NL) and Battery Pack (BP) placement in rows

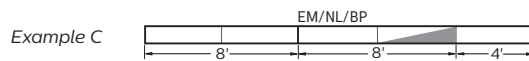
Ambient version EM/NL/BP modules can be placed anywhere in the row. See examples below of EM/NL/BP installed in 20ft rows.



-OR-



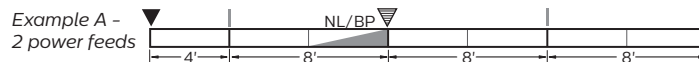
-OR-



IMPORTANT: When an EM/NL/BP circuit is specified in a row with different length modules, it will be installed in one 4' section of an 8' module. Site restrictions requiring the EM/NL/BP circuit in a 4' module can be handled by request.

Power feeds for rows installed with Night Light (NL) or Battery Pack (BP)

For NL and BP installation, power can be installed adjacent to normal power or in a separate location. See examples A and B below.



-OR-



Power feeds for rows installed with Emergency Circuit (EM)

For EM installation, in all instances, code restrictions require two separate power feeds, one for normal power and one for EM power. EM power must be installed in a location different than the normal power. See example A below.

