

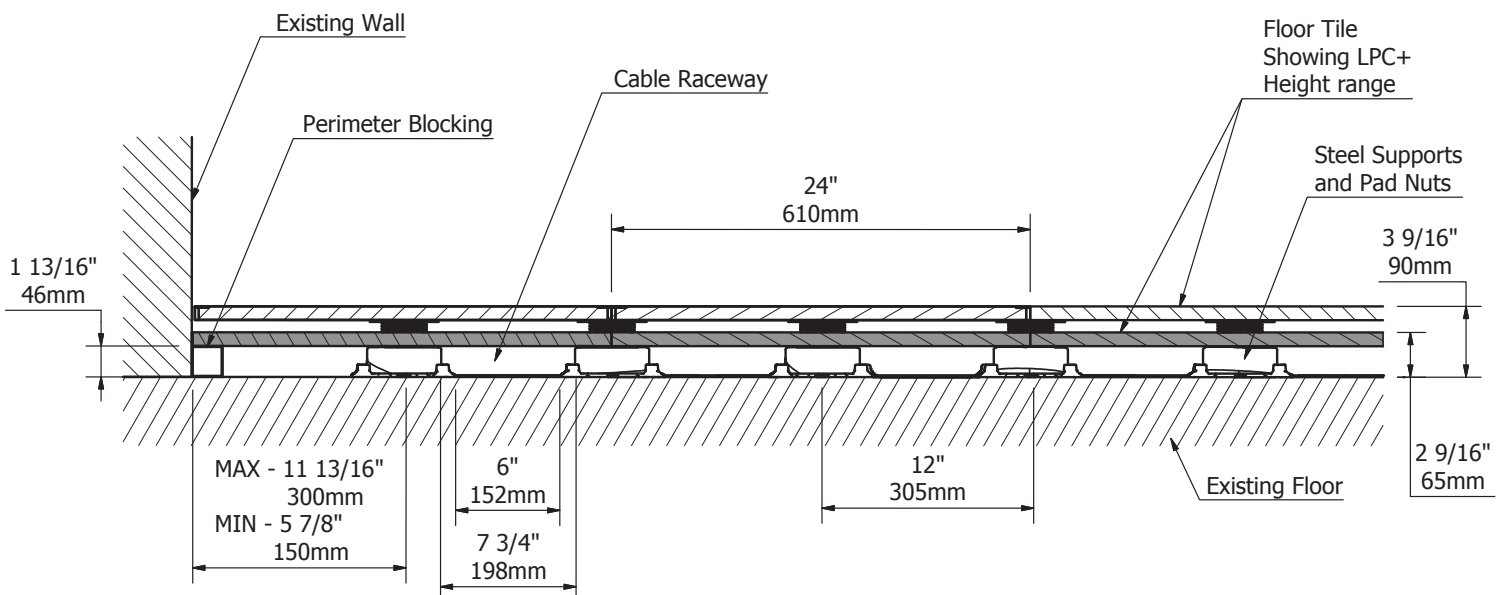
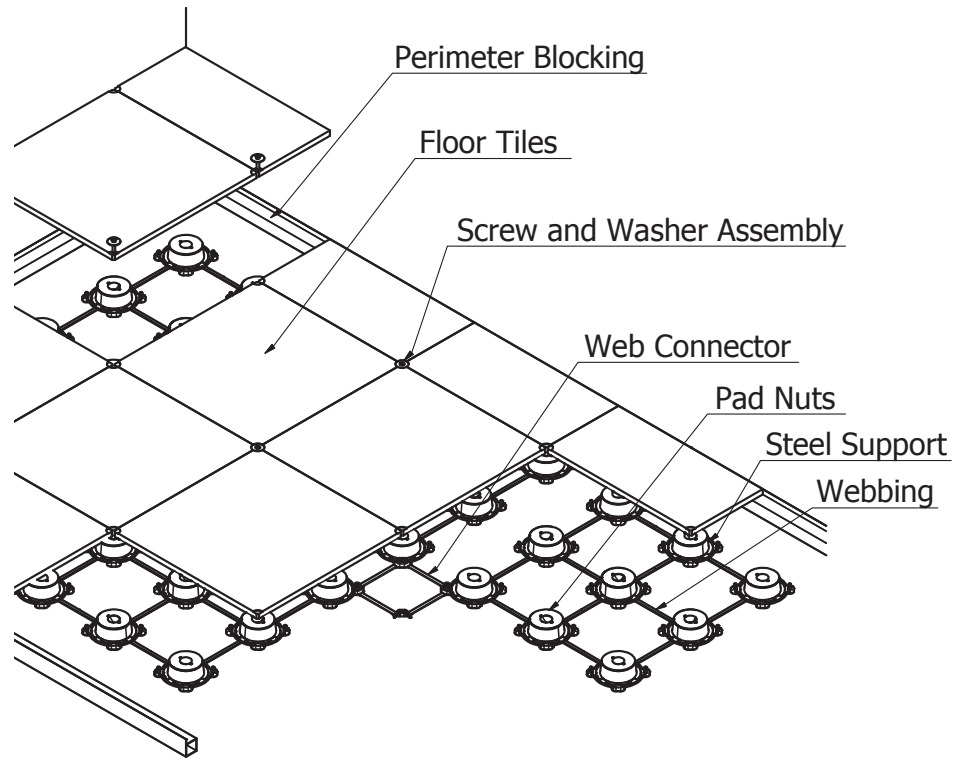
LPF+ Flooring Specifications



Height Adjustable Low Profile Flooring is a simple, cost effective alternative to traditional standard access flooring. It's quick and simple to install, helping to reduce occupancy and ownership costs and maximizing return on investment. The floor can also be easily reconfigured as needed, as your office evolves.

Key features & benefits:

- No invasive coring means you can easily make changes to cabling and wiring once installed.
- MgO tiles are strong and fire retardant.
- Flooring can be cut on-site with standard woodworking tools.
- Floor webbing is a standard size and shape for quick installation.
- The webbing is made from polypropylene and steel and the perimeter blocking is made from aluminium, all of which are 100% recyclable.



COMPONENTS & MATERIALS

Floor Tiles

MgO Board (Magnesium Oxide Boards)

Supports

20 gauge (0.81mm) stamped steel
zinc plated to prevent corrosion

Webs and Pad Nuts

V-0 Polypropylene
Colour: White
Quick Connect System

Screws and Washers

Steel, zinc plated

Perimeter Blocking

Aluminium, extruded, clear anodised

Perimeter Fasteners

Steel, black phosphate finish

DIMENSIONS & DETAILS

Cavity

Module Size 7 $\frac{3}{4}$ " W x 7 $\frac{3}{4}$ " L x 1 $\frac{13}{16}$ " H
(198mm W x 198mm L x 46mm H)
Cable Raceway 6" W x 1 $\frac{13}{16}$ " H
(152mm W x 46mm H)
Capacity Example - 196 CAT5e cables per
raceway

Floor Tiles

Tile Size 24" x 24" (610mm x 610mm)
Tile Weight 21.5 lbs (9.75 kgs) each

Steel Supports

Support Height 2 $\frac{5}{8}$ " (67mm) to bottom of carpet
Floor Cavity Height 1 $\frac{13}{16}$ " (46mm)
Base to underside of tile
Component Size: 5 $\frac{1}{4}$ " diameter x 1 $\frac{11}{16}$ " H
(133mm diameter x 43mm H)
4" (102mm) diameter top

Webbing

Webbing Size 24" x 24" (610mm x 610mm)
 $\frac{1}{8}$ " (2.5mm) thick (typical)

Pad Nuts

Pad Nut Size 4" diameter x $\frac{1}{16}$ " thick
(102mm diameter x 1.6mm thick)

Screw & Washer Assembly

Washer Size 1 $\frac{1}{2}$ " diameter x $\frac{1}{16}$ " thick
(38mm diameter x 1.6mm thick)
Philips Screw $\frac{1}{4}$ " x 2" long
(6.3mm x 50mm long)

Perimeter Blocking

Blocking Size 2 $\frac{9}{16}$ " H x 1 $\frac{13}{16}$ " W x 19'-0" L
(64mm H x 46mm W x 5791mm L)

Perimeter Fasteners

Philips Screw $\frac{1}{4}$ " x 2 $\frac{1}{4}$ " long
(6.3mm x 57mm long)

Standard access flooring versus low profile access flooring installation methods

Standard access flooring	Low profile raised access LPC+
<p>Specialist expertise required: Standard access flooring requires professional knowledge to organise the distribution of cables, vents, wires and equipment.</p>	<p>Simple: On the other hand, raised access flooring requires no specialist knowledge or expertise to install or modify at a later date.</p>
<p>Time consuming: Installing standard access flooring is a much lengthier process, significantly increasing the time taken to complete your project.</p>	<p>Fast: LPC flooring installation requires no invasive trenching or coring and follows the natural contours of the floor, saving you weeks of time on your project.</p>
<p>Expensive: Due to the expertise needed to install the flooring and time lost from using this slower method, standard access flooring is a significantly more expensive option.</p>	<p>Cost-effective: Costs are much lower with this simple solution and project time is reduced, allowing your building to be occupied faster, saving you time and money.</p>
<p>Harder to access: Once installation is complete it becomes challenging and messy to make any further alterations.</p>	<p>Easy to access: Making changes to the cable or wiring system is simple and mess-free. You can work on one section of the floor without disturbing the entire area.</p>
<p>Less space: With standard access floors, there is less space between the floor and ceiling and less flexibility on where you position ducts, vents and electrics.</p>	<p>More free space: With low profile raised access floors, you have space to accommodate wires, lighting, cables and anything else that needs to go under the floors.</p>
<p>Not reusable: With standard access flooring, should you move to a new building, you are unable to take the floor with you.</p>	<p>Reusable: LPC flooring is a long-term investment. Should you need to move offices in the future, you can take the flooring with you!</p>

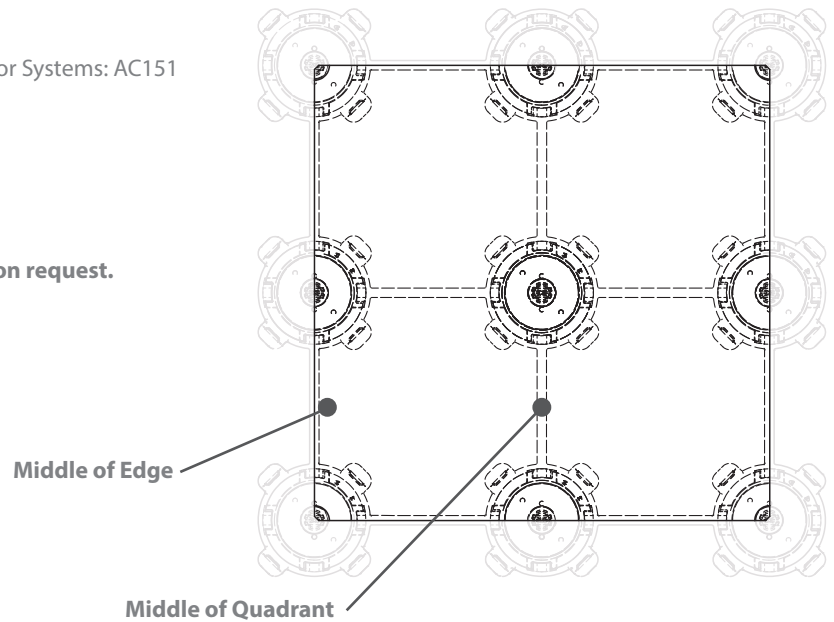
TESTING & APPROVALS

Acceptance Criteria for Fixed Height, Low Profile, Raised Floor Systems: AC151

Inclusive of the following tests: ASTM D 635, ASTM D 1929, ASTM D 2843-99, ASTM E 84, ASTM E 119, ASTM E 2322-03

Los Angeles Research Report (General) LARR-25858

Testing Reports, Details and Approvals are available upon request.



CISCA Test Results					
Property	Test no.	Location	Ultimate Load		Ultimate Failures
			lbf	kgf	
CISCA Section 1 Concentrated Load	1	Middle of Quadrant	897	406.9	Indenter depressed into panel
		Middle of Edge	623	282.6	3" x 7" (76.2 x 177.8mm) section broke off edge
	2	Middle of Quadrant	890	403.7	Board cracked
		Middle of Edge	590	267.6	1" x 2" (25.4 x 50.8mm) section broke off edge
	3	Middle of Quadrant	881	399.6	Indenter depressed into panel
		Middle of Edge	567	257.2	1" x 1" (25.4 x 25.4mm) section broke off edge
	4	Middle of Quadrant	860	390.1	Indenter cracked panel
		Middle of Edge	600	272.2	1" x 1" (25.4 x 25.4mm) section broke off edge
	5	Middle of Quadrant	887	402.3	Panel cracked parallel to edge at indenter
		Middle of Edge	573	259.9	1" x 1" (25.4 x 25.4mm) section broke off edge

ICC-ES AC151 Test Results				
Property	Test no.	Load		Observations
Uniform Load	1	900 psf	4394.2 kg/m ²	No sign of damage
	2	900 psf	4394.2 kg/m ²	No sign of damage
	3	900 psf	4394.2 kg/m ²	No sign of damage
	4	900 psf	4394.2 kg/m ²	No sign of damage
	5	900 psf	4394.2 kg/m ²	No sign of damage
Concentrated Load Over 2 ft x 2ft / 609.6 x 609.6mm	1	10127 lbf	4594 kgf	No sign of damage
	2	10127 lbf	4594 kgf	No sign of damage
	3	10127 lbf	4594 kgf	No sign of damage
	4	10127 lbf	4594 kgf	No sign of damage
	5	10127 lbf	4594 kgf	No sign of damage