

Peak performance that guarantees
your next business success!



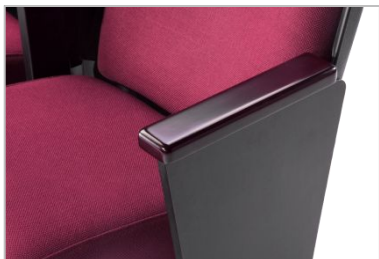
PERFORMER LS-13601 Series

This new *value-priced model* delivers higher standard of comfort, quick assembly and yet at much more competitive price. The ideal choice that built on rock-solid performance for auditoriums and churches!

■ **MAIN BENEFITS-Performer LS-13601NC:**

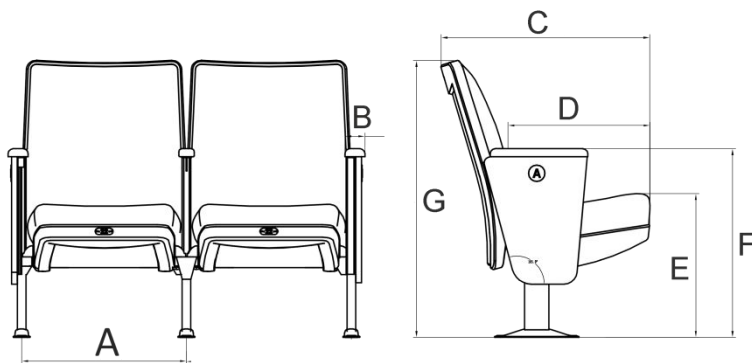
- **6-screw installation to save your labor cost** --- Upon chair parts arrival, you only need to assemble back to stanchions with two screws, assemble seat to stanchions with the other two.
- **Dual spring tip-up seat mechanism** to secure fast quiet return and the ever lasting operation.
- **Serpentine spring seat bottom** support delivers high standard of comfort that you feel to believe.
- **Wood armrest/end panel** to enhance your facility ambiance.
- **Plastic shells** helps for ease of daily maintenance.





Specification summary:

- C/C options (from armrest center to center): 20"- 22"
- Back pitch options: 16/20/22 DEG.



NO.	DESCRIPTION	MM	INCH
A	C/C (armrest center to center)	510-560	20-22
B	Arm width	62	2.4
C	Overall depth (at back pitch 16/20/22 DEG.)	650/680/710	25.6/26.8/28
D	Seat depth	440	17.3
E	Floor to seat height	445	17.5
F	Floor to armrest height	584	23
G	Overall height (at back pitch 16/20/22 DEG.)	855/840/825	33.7/33/32.5

*More options are just around the corner, we will keep you updated on our progress.
For more information, please contact your LEADCOM sales representative.*

■ Technical Specification

SCOPE

Seating shall be floor mounted, or riser mounted, with common upright support assemblies with upholstered seat and back cushions. The fixed back shall accommodate three pitch positions at 16°, 20° and 24°. The back cushion is protected by an injection-molded polypropylene back shroud. The seat cushion shall be counter-balanced with a gravity lift to ensure an automatic return to a full fold position, or dual spring lift to a 3/4 fold to full fold seat operation.

COMPLIANCE

"Performer" seating shall be designed and manufactured in compliance with BIFMA X5.4-2012 performance criteria.

GENERAL CONDITION

SIZES

Seating will be manufactured in two seat and back widths to accommodate three seat spacing (from armrest center to center) options of 508MM, 535MM, 560MM (20",21",22"). View lines will be accommodated as indicated on the seating plans.

MATERIALS

➤ *Back Cushion assembly*

Structural back shall be a 11-ply, 15MM thick moulded plywood bonded to polyurethane foam ranges from 38MM(Minimum)-55(maximum)thickness.

- Foam density shall be $55 \pm 5 \text{ kg/m}^3$.
- Foam Hardness shall be $35^\circ \pm 5^\circ$.
- Foam raw material originated from BASF (Germany company)
- The foam meets flammability requirements of CAL117/CAL133/BS5852

The upholstery fabric shall be attached to the foam and board using glue upholstery methods.

An injection-molded polypropylene back shroud wraps around the edge of the inner structure board and the foam. The fixed back assembly with integral shroud is mounted to the uprights by four screws bolted through the structural 18-gauge/2.0MM steel inner back brackets. Three pitch options shall be available, 16° , 20° , and 24° , to be set during installation. Overall back height shall be 845MM(33 1/3").

➤ *Seat Cushion assembly*

The seat assembly shall be constructed of an inner ABS seat frame with serpentine spring and covered with molded urethane foam cushion in thickness ranges from 30MM(Minimum)-110MM(maximum)thickness. The bottom shall be covered by an injection-molded polypropylene seat shroud. All pivoting and positioning shall be accomplished within the seat cushion assembly, thereby eliminating all pinch points.

- Foam density shall be $55 \pm 5 \text{ kg/m}^3$.
- Foam Hardness shall be $45^\circ \pm 5^\circ$.
- Foam raw material originated from BASF
(Germany company)
- The foam meets flammability requirements
of CAL117/CAL133/BS5852

➤ ***Armcap***

Solid wood arm caps shall be machined in 60MM(2 2/5") wide and 305MM (12") long and attached to the armcap support with two concealed screws.

Optional arm cap would be injection-molded engineering polypropylene in same size.

➤ ***Tablet arm***

Tablet shall be self-storing, gravity-activated, one-motion tablet arm, consisting of a storable writing table top constructed of a 11-ply plywood, 0.8MM high-pressure laminate on face, measuring 389.5MM * 263.9MM capable of supporting a laptop computer. The tablet arm mechanism shall consist of a pivot arm, pivot mount bracket, and support bracket constructed of 3MM(14-gauge) steel. Tablet arm will store between the seats, without interfering with the seat.

➤ ***Uprights***

Finish to be powder-coated according to the standard color offerings.

MANUFACTURER'S SYSTEM ENGINEERING DESCRIPTION

Structural performance

Engineer, fabricate and install fixed audience seating to the following structural loads without exceeding allowable design working stresses of materials involved, including anchors connection.

Manufactuer's system design criteria

1. Shall embody a timeless sculptured appearance to harmonize with any architectural form or room decor.
2. Shall exhibit moderate compound contours for supportive comfort avoiding excess anatomical pressures.
3. Seat shall self-centering, automatic three quarter life with over center retract feature, for ease of passage and janitorial access
4. Seat shall be tested and professionally certified through an independent test laboratory as follows.
 - Seating durability test - No loss of serviceability after 100,000 cycles impact. A weight of 125lbs free falls onto the seat from 3.6in. height for each seating.
 - Seating Drop test- No loss of serviceability when 225lbs weight free falls from 6 in. height to the center of the seat for each seating.
 - Back strength test- No sudden and major change in the structural integrity when 250lbs is applied simultaneously for 1 min. applied to each backrest position.
 - Back durability test (Horizontal-cyclic)- No loss of serviceability in 120,000 cycles with a 225lbs in the center of each seat and a force at 75lbf 90 degree to the center of the chair back

- Arm strength test (Horizontal, static)- No loss of serviceability when apply horizontally inward and outward to the armrest at the most forward point of the armrest with the following force, from 1in. a) For units with a distance between the arms less than 889MM (35in.), a force of 667N (150 lbf.). b) For Units with distance between the arms grater than or equal to 889MM (35in.), a force of 890N (22 lbf.)
- Leg strength test - No sudden and major change in the structural integrity when 133lbf weight free falls from 6in.height to the center of the seat for each seating.
- Seat durability test - No loss of serviceability after 100,000 cycles impact. "A weight of 125lbs free falls onto the seat from 3.6in. height for each seating.
- Drop test -Dynamic - No loss of serviceability when 225lbs. weight free falls from 6in. height to the center of the seat for each seating.
- Drop test-Dynamic- No sudden and major change in the structural integrity when 300lbs weight free falls from 6in.height to the center of the seat for each seating.

For more test information, pls refer to appendix A.

