

MODEL



DPC Array - Directivity Pattern Control
U.S. patent No. 12,047,738 B1



TPCD - Thin Ply Carbon Diaphragms



TECHNICAL SPECIFICATIONS

Enclosure Alignment	4-way bass reflex / acoustic suspension
Driver complement	DPC Array: 28mm Beryllium 28mm(2) Textreme TPCD Woofers: 180mm(4) Textreme TPCD
Sensitivity	91.4dB / 2.83v / 1.0m
Impedance	4Ω nominal / 3.2Ω min
Response Linearity	80 - 20kHz +/-1.5dB window
Frequency Response (-10dB)	bass reflex: 22 - 37kHz acoustic suspension: 32 - 37kHz
Typical In Room bass extension	bass reflex: 16Hz acoustic suspension: 23Hz
Dimensions (HxWxD)	1332.5 x 365.0 x 475.8mm 52.5 x 14.4 x 18.7"
Weight	112.3kg (247.0 lbs.)
Recommended Amplifier Power	100 - 600W RMS
SPL capability (100-20kHz)	119.4dB peak 117dB peak <2% - 2nd, 3rd Harmonics
Available finishes	satin black anodized aluminum

DESCRIPTION

MODEL S7T Black Edition - Trickle down technology from the groundbreaking S7T Limited Edition. When the highest fidelity is what matters most. Featuring our proprietary DPC-Array controlling Mid/High frequencies, centered by our finest 28mm Beryllium dome and dual 28mm TPCD ultra-lightweight domes. All transducers are developed ground up by our engineers - bringing decades of research, culminating in this world class design. We teamed up with companies in the USA and Sweden to bring modern material science to hi-fi. Utilizing advanced Comsol acoustical modeling, our DPC-array is the result of 18 months of painstaking simulations and prototyping. The result is one of the most technologically advanced loudspeakers available. This new tweeter/waveguide DPC-Array delivers amazing accuracy, smoothness, and directivity control to handle the critical vocal range and delicate treble. All S-Series speakers share the same DPC-Array and benefit from our unique timbre matching technique across the entire series. Custom bass drivers made from thin-ply carbon diaphragms (TPCD) can be configured as bass reflex or acoustic suspension and adjusted for listener preference. True full range performance with unparalleled dynamic range and musical finesse.

1

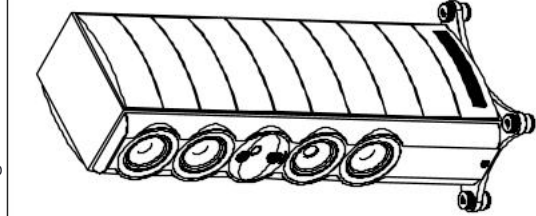
2

3

4

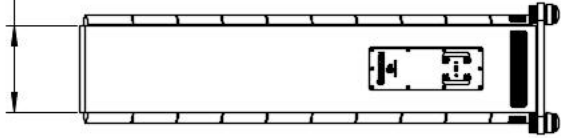
REVISIONS		
REV.	DESCRIPTION	DATE
1	initial drawing	4/5/2025

D

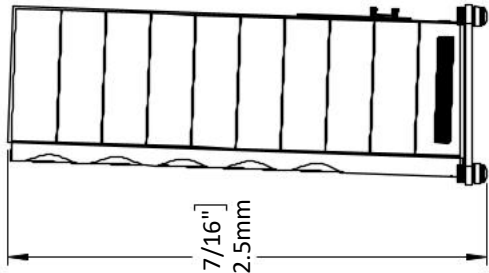


C

[9 7/16"]
240.0mm

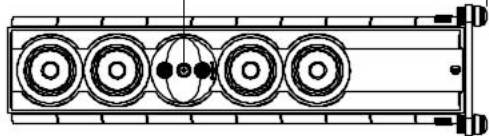


B

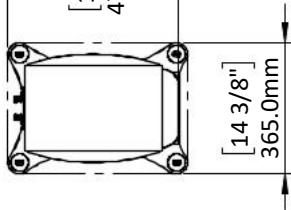


[52 7/16"]
1332.5mm

[33 1/8"]
842.1mm



[18 3/4"]
475.8mm



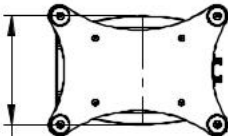
[14 3/8"]
365.0mm

D

C


B

[11 7/8"]
302.0mm



A

Notes:

NAME	DATE	 <small>perlisten audio llc</small>
	4/7/2025	
TITLE:		Sheet 1
SIZE	DWG. NO.	REV
A	S7t-Black Edition_Architectural	1
SCALE: 1:20		SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS
 DRAWING IS THE SOLE PROPERTY OF
PERLISTEN AUDIO, LLC. ANY
 REPRODUCTION IN PART OR AS A
 WHOLE WITHOUT THE WRITTEN
 PERMISSION OF **PERLISTEN AUDIO, LLC** IS
 PROHIBITED.

DIMENSIONS ARE IN MILLIMETERS
 DO NOT SCALE DRAWING

1

2

3

4