lumenwhite

white light

a time coherent, phase coherent, resonance coherent 5 driver, 3 way ultra precision monitor frequency response: 28 hz- 35 khz (with diamond tweeter 28 hz-100khz) sensitivity: 91,5 db (2,83v, 1 meter), nominal impedance: 4 ohms

driver arrangement: 1” concave ceramic inverted dome tweeter, (1” pure diamond tweeter optional), 3,5” concave ceramic inverted dome midrange in proprietary biconcave sealed cabinet, 3 x 7” concave ceramic inverted dome woofers in proprietary “jetvalve”-vented cabinet all drivers resonance-unified

cabinet: constructed from 1,2” proprietary, formular plywood, no mdf, no damping, standard finish: maple; additional color options; availabe on request

wiring: single wire connectors; internal wiring with synergistic research cable, “active shielding” ready

dimensions: height: 118 cm; width: 28 cm; depth: 62 cm, weight: 52 kg

we may change product specifications without prior notice if we believe it will serve their quality and performance

new light on sound

loudspeakers continue to be the weakest link in todays high end sound systems, underperforming current state of the art electronics by a significant margin due to their complex electromechanical nature. the whitelight monitors are commercial offsprings of the whitelight studio reference monitors, a cost-no-objective undertaking to close this gap and redefine the state of art in dynamic transducer design.

whatever high end speakers your are currently listening or aspiring to, if you cherish the truthful reproduction of the original, we are confident that a few minutes with these speakers will alter your goals.

magic silence - pure sound

featuring numerous innovative technologies, the whitelight monitors offer superlative low noise and ambient retrieval, transient speed and resolution at the theoretical limits, ultra wide bandwidth, vanishing passband ripple and outstandig spectral purity combined with octave to octave energy equilibrium and freedom from compression. they reveal, in a time-, phase- and resonance-coherent manner, the most subtle details of the recording and original event against a background of magical, pitch black silence.

their ultrafast rise and settling times open to experience the area where sound emerges from and vanishes into silence, a so far veiled realm of profound psychoacoustic stimulus where music touches the soul deeply. listening to the lumenwhite speakers instantaneously reveals a new holistic synergy of these technical parameters as the transducers vanish completely behind the music and connect the listener closer to the original event than ever.

quality signal

top of the line front end equipment and source material are mandatory as these speakers reveal any deficencies in the input signal. mediocre performance will be highlighted as what it is as will excellence. provided with a high quality signal, these reference transducers will make you experience music with such naturalness, depth, ease, purity and magic as was not available befor at any price.

this wholeness, purity and precision of information retrieval may within minutes lead to such depth of enjoyment as hours of listening through lesser quality speakers may never be able to convey. our speakers are engineered to liberate silence and the soul of music from the limitations of technically reproduced sound.

selected technological highlights

the whitelight monitors feature a series of novel technologies wihich significantly increase coherent driver performance and dramatically reduce driver and cabinet resonances resulting in superlative sonic precision and purity.

ultra-hard ceramic membranes, resonace coherent drivers

lumenwhite transducers exclusively employ dynamic drivers featuring saphire-hard ultra-thin ceramic high tech membranes.this costly and difficult to produce space age material exhibits the most benign resonace behavior of all known membrane technologies to date. to further minimize residual membrane resonances we apply advanced proprietary resonace unification technologies which unify residual resonances and move them outside the hearing band. as a result, our drive units approach the theoretical ideal of resonance free transducers over the whole frequence range.

in designing the cost-no objective whitelight studio reference monitors we measured and listened to the creme del la creme in high-end transducer technologies employing state of the art electronics form spectral, dcs, nagra, accuphase, audio research and more. whatever the price and technological route taken, in the end, the competing technologies sounded clouded, veiled, distorted or time-smeared compared to the technologies chosen for whitelight monitors.

airflow optimised, resonance coherent cabinets

the superlative performance of our driver arrays demand sophisticated cabinet acoustics to perform at their best. as any kind of damping materials inevitably results in the loss of micro information and thus musical content, we eliminated them totally. the same applies for the use of any sort of mdf or fiberboard which by their very structure act as absorbers.

our cabinets are build of specially formulated plywood of 3 cm strength. their naturally curved shapes follow function housing an advanced venting mechanism which leaves behind the compromises of seald box, horn or reflex topologies. based on cutting edge dynamic airflow and wave propagation research, it allows the membranes resistance free horizontal movement resulting in ultra-fast rise and settling times and resonance patterns which are both minimal and coherent at once.

our cabinet design minimizes resonance components in our speakers by a novel degree, thus providing the ideal environment for their advanded driver arrays to perform at their best.

minimalist crossover design

the whitelight monitors employ highly minimalist crosssover design. adding and subtracting as little as possible with respect to the original signal is the natural path to truthful reference performance. reducing the numer of components affecting the signal is mandatory along this line, as any component, even those of ultimate quality, alter the signal.

the whitelight crossover employs a mere 5 components - an industry first for a three-way, 5 driver high end design. superlative driver performance, resonance elimination at the source and advanced crossover topologies have made this achievement possible, resulting in minimal crosssover intrusion on the signal.

art, science & music

built entirely by hand in europe, the production of the lumenwhite monitors follows the tradition of the artisan instrument makers of yore. combining avantgarde acoustic research, state of the art materials, components and topologies, the whitelight monitors represent the cutting edge current high-end loudspeaker design. they liberate music from the boundaries of technology and allow ist true beauty to shine forth.

listen and enjoy

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renowned audio-critic chip stern in "stereophile" magazine, october 2001 reporting on the "home entertainment show 2001 in new york":

"then there were the alluring curves and angelic luminescence of the new 4 ohm/91.5db lumen white “whitelight” speakers from distributor acoustic dreams. very sexy, sure, but handsome is as handsome does. instead of mdf, the lumen white “whitelights” are built from 1/2” of real maple plywood; internal wiring is by synergistic research (active shielding-ready), and the cabinets beveled backside reflects the designer’s desire to control resonances with his own variation on a venting mechanism.

the “whitelights” inverted-dome tweeter, inverted-dome midrange, and line source array of three 7” concave drivers were all high-tech ceramic designs from accuton. very pricey components. My lasting impression of this brief assignation was of ungodly clarity and transparency."

leo fung, renowned recording engineer, audio critic and chief editor of hong kong high-end webzine “yohifi” on the lumen white “white light” monitors (www.yohifi.com):

“The “white light” is not only extraordinary in cabinet design, but also unbelievably pure in sound quality; the experience of realism is most pleasing.

according to the literature, the speaker cabinet is made out of pure maple plywood, with absolutely no damping! All drivers (5 per speaker) are ceramic makes.

the “white light” is indeed superb in design; a dream product for the purists, developed by the perfectionists of lumen white."

renowned audio critic michael fremer lists lumenwhite under “best sound of CES 2001” in the april issue of US magazine “stereophile” (www.stereophile.com).

renowned audio critic ken kessler gives lumenwhite “best sound of CES 2001” vote in the april issue of UK audio magazine “hifi-news” (www.enjoythemusic.com/hfnrr).

dirk sommer, chief editor of german high-end magazine “image hifi” summarizing his review of the white light monitors in issue 4/2001 (www.image-hifi.de):

“for me the “white light” monitors simply are the high-end discovery of recent years.”

implementing a minimalist crossover with meticulously selected components, premium drivers and a fundamentally new cabinet technology, they do not only deliver a highly sovereign, deep and equally weightless bass but at the same time provide a level of resolution, speed and transparency which, until now, was available - albeit restricted to certain frequency bands - from electrostats only.

with their high efficiency rating and fuss free impedance curve, lumen white’s first and fully convincing creation should prove irresistible to both tube lovers and solid state fans. pure high-end magic!
image hi-fi”, germany - dirk sommer reporting from the “whiteligth” premiere at the “high-end” vienna show in issue 1/2001 (www.image-hifi.de):

“in vienna i broke my golden rule which is never to attempt serious listening under show conditions. what made me do so ?

the “lumenwhite” speakers presented by distributor living sound. these comparably compact speakers are truly outstanding in every sense.

...the speaker’s most outstanding feature however aren’t ist very expensive drive units but the innovative cabinet design which allows to do away with any kind of damping.....

...the “advanced venting mechanism” makes ultra fast cone movements possible while simultaneously providing the needed damping. despite the relatively small cone surface of its three 17 inch ceramic bass drivers, the “lumenwhite” features an efficiency of more than 91 decibel and its low frequency response extends down to well below 30 hertz.

truly fascinating are the speaker’s utter transparency, its tremendous speed and fantastic resolution.