

**THE
HALLED
SERIES**

- Downlight

Our **Downlights** - **HALLED** generate a **full colour spectrum of white**, from sunlight to tungsten light from halogen bulbs.

Downlights - **HALLED Series** has the ability to transform the look and feel of a space by introducing a high quality white light, designed for a wide range of different applications such as **Orchestra Shell, House, Working Spaces, Shop Windows, Malls, Museums, Exhibitions, Art Galleries** but also **TV studios, Cinemas, Theatres.**

HALLED Series is the ideal solution for installations where **silence, energy saving and maintenance cost reduction** are key factors.



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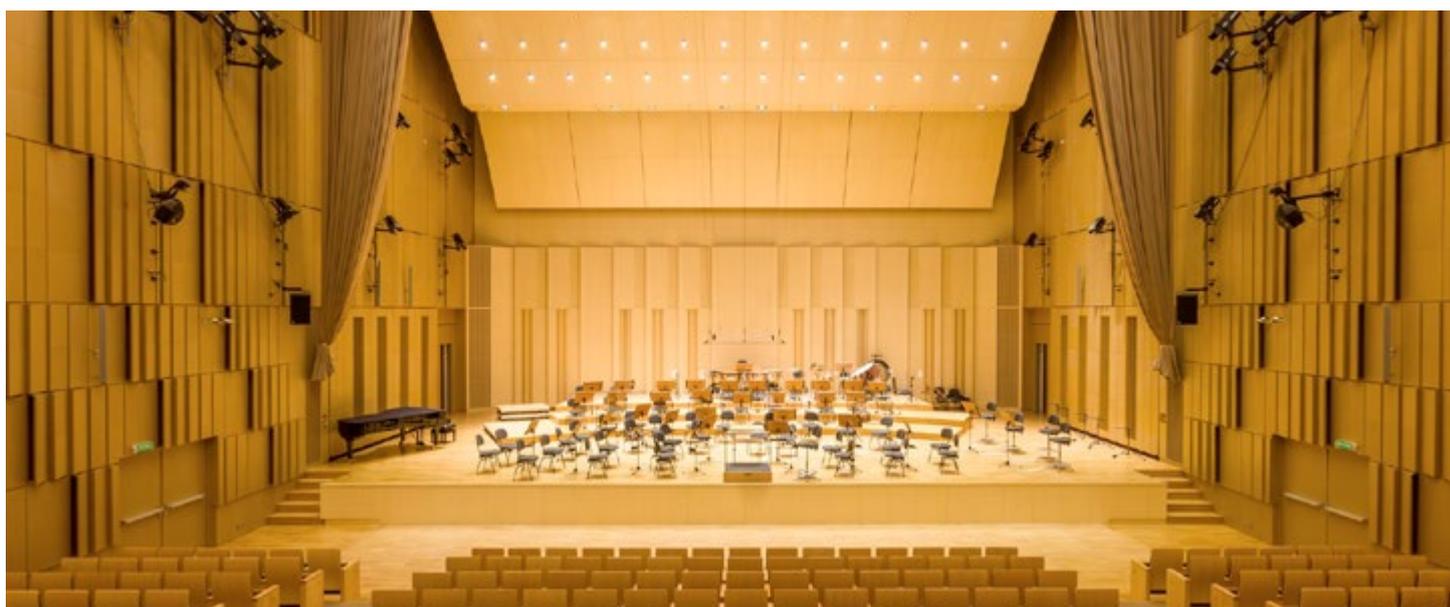
The White Light Phosphor Technology

For our **Downlights - HALLED** we choose the **White Light Phosphor Technology**.

Especially in Theaters and Opera Houses, the fidelity of colors, skin tones of the actors and musicians and their very expensive equipment is the absolute must.

The **White Light Phosphor Technology** is the only way you can generate a full color spectrum white like our sunlight or halogen light bulbs.

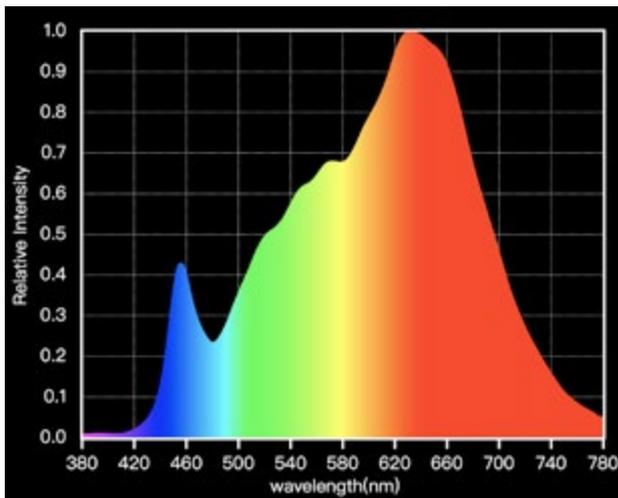
Thanks to this, the **entire spectrum of colors** visible to the human eye will be **faithful** to reality and also **emphasized**, depending on the visual result to be obtained.



High efficiency, long lasting, innovative white light source, with separate power supply available with Dali or DMX control.



Moreover, with the COB LED's with a reflector for uniform light beam output you're generating **just**



DIMMING

Fundamental is also the **totally smooth dimming performance** from 100% to black.

The dimming is done by 16bit DMX512 without visible stepping, flash or flicker, where **you can individually address and control each HALLED**.

You can also **dim the light of all Downlights HALLED** across the installation to the same level at the same rate and finally fade to black at the same time in flicker free mode without any step change to off at the end.

Moreover, the **enlightened objects with their colors remain consistent** at all levels during dimming: perfect for cameras when filming.

Within the **user-friendly** menu you can easily set a linear or logarithmic dimming curve. The driver can be controlled via RDM for proper DMX addressing and status report.

MECHANICAL DESIGN, UNIVERSAL SOLUTIONS

Limitless options, integrated solutions, and unparalleled service and support under ISO 9001 Quality Management are the key features of the **HALLED Series**.

The Downlights can be **customized** with your RAL powder-coat paint, different bezel, clips, yokes and fixing solutions to properly finish shell ceiling appearance from below.

WHITE

Local and DMX control for direct adjustment of intensity

1 ch: dimmer

2 ch: dimmer, strobe

3 ch: dimmer, dimmer fine, strobe

MAIN GENERAL FEATURES

High output Bridgelux COB LED Light Engines (>12000lm @90W, 133lm/w) with reflector for uniform light beam output in order generating just one shadow in faces and objects

High quality aluminate polycarbonate optics, in three different opening / beam angles (12°, 29°, 46°, 72°)

Long life, low maintenance and nearly 75% saving on mains power consumption if compared to an equally-performing conventional fixture

Light output higher than the usual halogen lamps, with energy saving and less heat production

No dangerous UV or IR rays for the safe lighting of people and objects

Separate power supply unit with DALI or DMX control and possibility of selecting the linear or logarithmic curve

Aluminium retaining ring and methacrylate protection screen

Classical Orchester venue quiet with no buzzing or detectable RFI thanks to natural heating dissipation (no fans)

Rustproof Aluminum housing compact and lightweight

Fixing Springs and customized solutions for standalone and ceiling mounting

Reduced installation and cabling costs thanks to the In&Out chain connection system both for power mains and DMX/DALI data control

100% smooth dimming down to zero by 16bit DMX512 without visible stepping, flash or flicker

Flicker-free mode with adjustable PWM LED frequency for best use with cameras

Constant Color Temperature CCT during the whole dimming curve

Supports USITT DMX512-A control (ANSI E1.11)

RDM over DMX512 Networks (ANSI E1.20)

Compatible with DALI, Casambi and Bluetooth Lighting Solutions

Onboard monitoring and reporting by RDM

THE PERFECT SOLUTION FOR SILENT SPACES

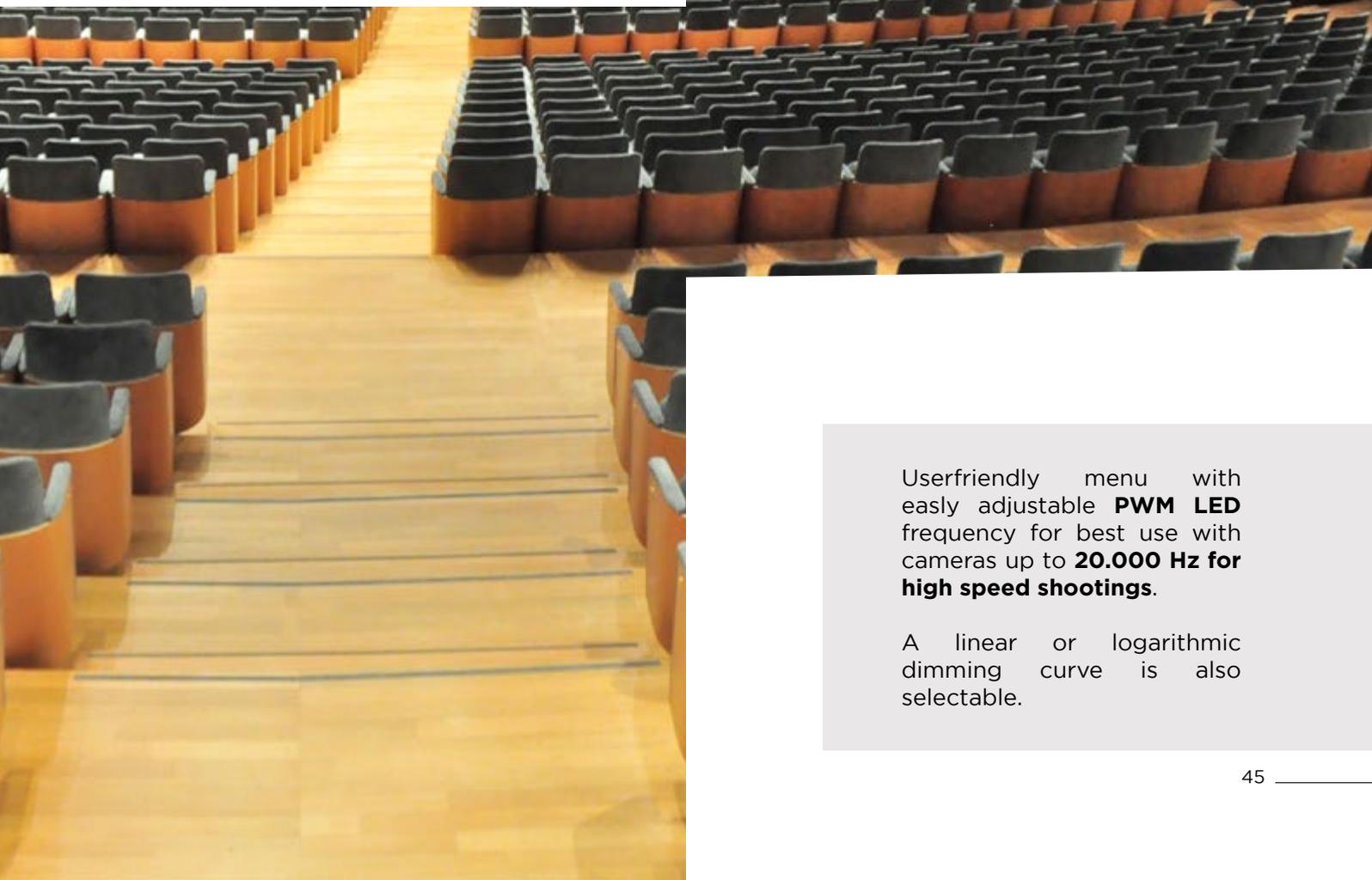
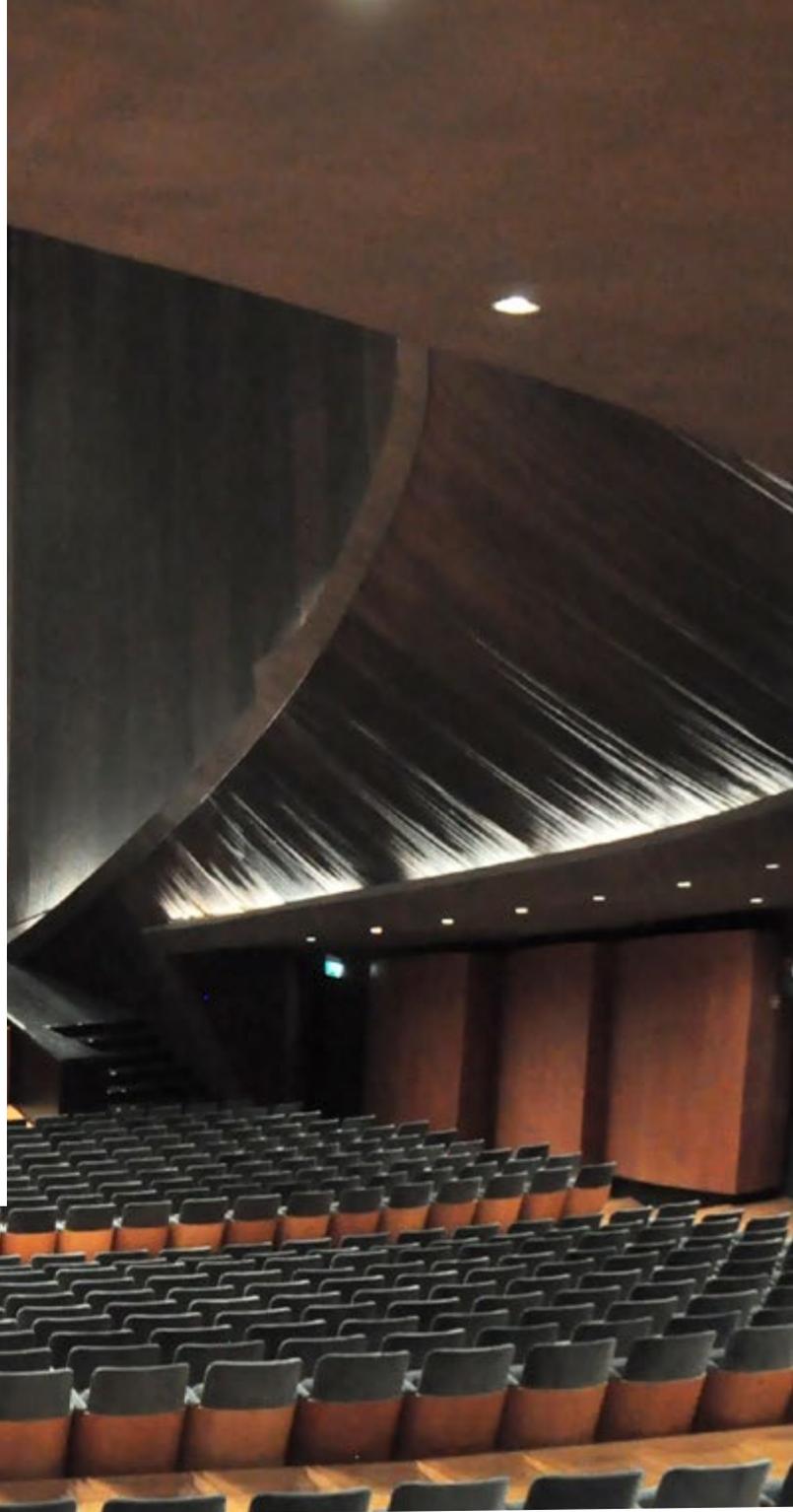
The **HALLED Series** is based on a highly effective natural thermal management system **without fan** and **without noise**: that means that each Downlight is absolutely silent with no buzzing or detectable RFI.

NO OVERHEATING

Thanks to its **low power bright light in acoustic shells** there is **no risk to heat up** the expensive instruments and scenery with dangerous IR and UV, keeping the musicians and performers comfortable on stage and increasing safety on stage.

QUICK MAINTENANCE AND RELIABILITY

The **absence of heat load** significantly reduces the risk of breakdowns. Moreover, especially in case of ceiling mounting, the electronic component will **not exert any weight on the downlight** itself, preserving its integrity.



Userfriendly menu with easily adjustable **PWM LED** frequency for best use with cameras up to **20.000 Hz for high speed shootings**.

A linear or logarithmic dimming curve is also selectable.



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