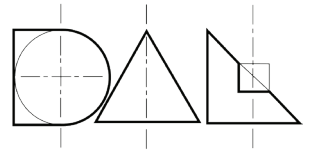
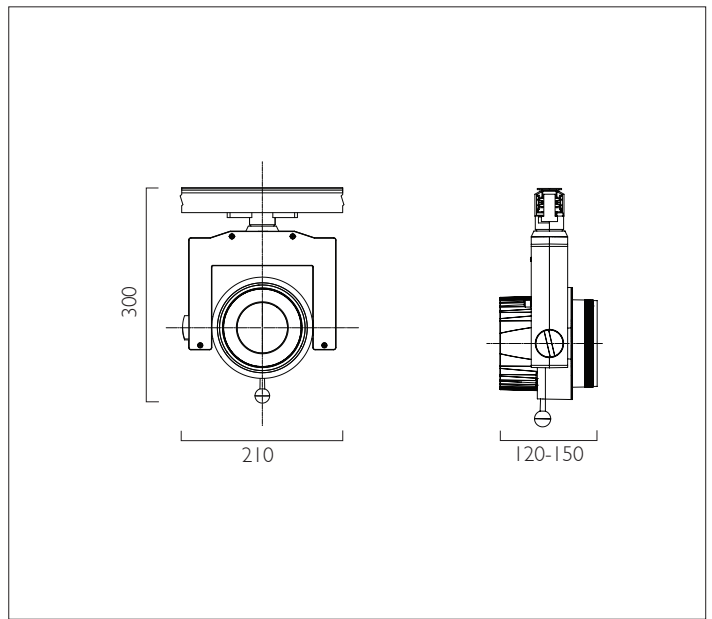


BALTIC - Lumenetix araya⁵ tunable LED



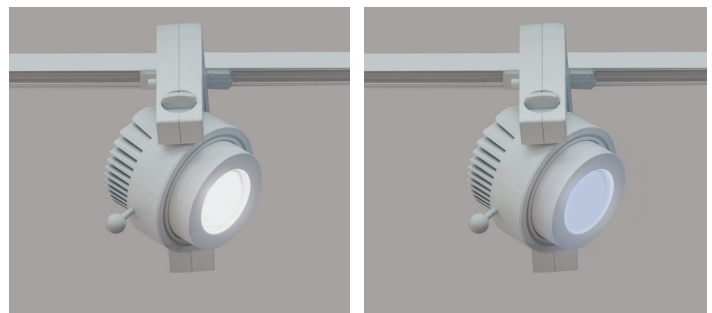
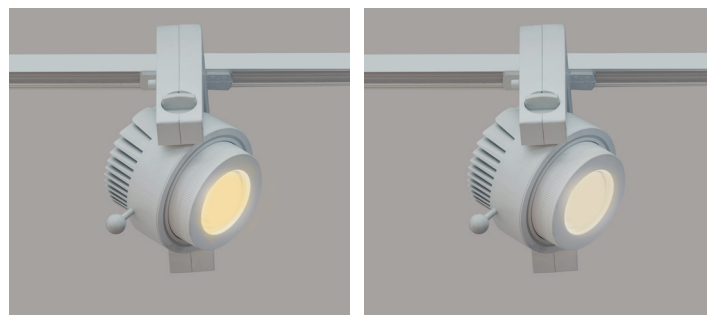
Baltic adjustable LED spotlight with Lumenetix araya⁵ tunable LED light engine, interchangeable reflectors, integral dimmable driver, and finished white (RAL 9010). Suitable for track mounting, universal 3 circuit type adaptor comes as standard. The araya⁵ Tunable Color 2.0 iOS app enables control of Bluetooth-equipped Lumenetix araya⁵ modules incorporated into a lighting fixture. Ra > 90 tunable range 1650 - 8000K. Architectural dimming to >1% and E-flicker free modulation at 2KHz are achievable depending on the driver and control protocol. Life 50000 hours. High specification die-cast construction, colour powder coat finish provides longevity. Built to conform to the requirements of BS EN 60598-1 and IEC 598. Photometrically tested to LM-79-08 confirms Baltic high performance.



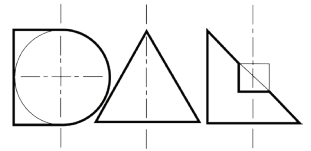
Product Number	D2800/SERIES
Light Engine	Lumenetix araya ⁵ Tunable LED
Full-colour-tunable	1650-8000K

Colour accuracy	90+ CRI with peak at 97
Colour consistency	<2 SDCM ellipse over life
Control option	DALI, DMX, Bluetooth Mesh, 0-10V

Accessories:-	Nominal Beam Angles
D5400	Narrow reflector (12°)
D5500	Medium reflector (24°)
D5600	Wide reflector (42°)
D5700	Flood reflector (67°)
D5800	Washer reflector (80°)
D3700	Barn Door



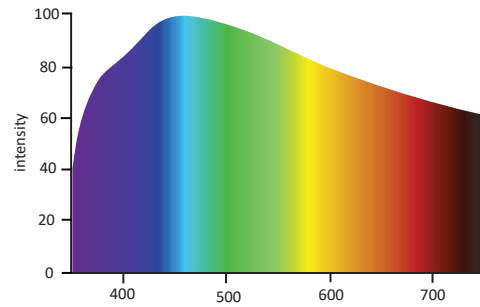
Lumenetix araya⁵ tunable LED



Tunable Lighting Technology

The theory of tunable lighting technology is to replicate the spectral distribution of visible daylight that ranges between 400 and 780nm (nanometres) on the electromagnetic spectrum. This range is not only the natural light we see by, but it also stimulates the sensations of light and colour.

There are three fundamental types of tunable lighting technology, which might all be referred to as tunable white. They vary in sophistication but offer new opportunities to the lighting designer, consulting engineers, architects and the user.



A typical daylight spectrum

Lumenetix offers the functionality of two systems.

Full-colour-tunable LEDs are the most complex in the development. araya⁵ combines five colours of LED – amber, cyan, red, mint and blue. An LED of this construction offers a sophisticated palette of colours.

An installation could be tuned via a control system to white for some of the time then adjusted using saturated colours for drama and special occasions.

Tuning the LEDs to add additional subtle tones is also feasible - adjusting the colour rendering to enhance displays of food or fashion items - making green vegetables look greener or adding intensity to blue denim in a window display. The colour can also be tuned to match the colours of changing daylight coming through an adjoining window or used to replicate the daylight conditions occurring outside a windowless shopping centre.

This technology can also be applied to the requirements of human centric lighting - the complex topic of supporting or adjusting the human circadian rhythm.

lumenetix[®]



araya⁵
TUNABLE COLOR



Colour Tuning Module	Output (Lumens)	CCT	CRI	Pd (W)	Vf forward typical	Current mA
Full-colour-tunable	2000	1650-8000K	>90	30		