

Perfect White



Brings whites to life

MEGAMAN® Perfect White technology is a solution that offers retailers a distinct advantage enhancing textiles by bringing whites to life while still offering superb efficacy and energy efficiency, compared to traditional light sources. It is ideally suited for retail lighting as well as other accent and display applications. The Perfect White range produces a high quality light that mimics the effect of daylight on white objects, giving them a natural vibrancy that makes them stand out from crowd.

Designed to replace 75W halogen AR111, MEGAMAN® LED AR111 reflectors with Perfect white Technology saves up to 84% of energy while delivering excellent light output. Its long lasting nature greatly reduces maintenance time and the glass cover design makes maintenance even easier.

So how does it work?

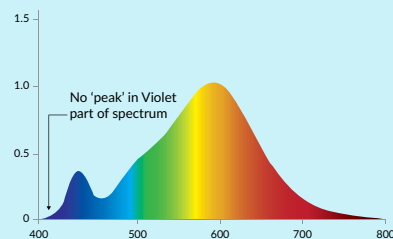
MEGAMAN® 's Perfect White introduces violet light with a peak at 410nm in the near visible, non-harmful part of the spectrum - also found in natural sunlight - to provide an output that closely mimics the effect of natural daylight on white objects.

How does MEGAMAN® achieve this?

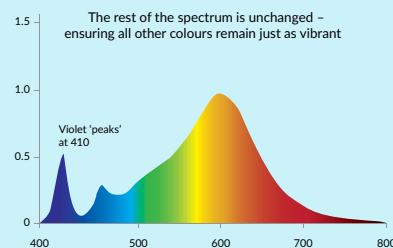
Many white objects and especially textiles found in retail stores contain Fluorescent Whitening Agents (FWAs) which, when excited, fluoresce – giving the object a brighter and livelier appearance. This is why clothes often look better when shown in natural daylight. Importantly the violet element within MEGAMAN®'s Perfect White technology, leaves the rest of the spectrum unchanged - so other colours maintain their vibrancy too. The violet just excites the FWAs, producing a 'Perfect' white finish that not only makes the product leap out from any background but increases contrast. As a result retail shops, in particular fashion stores, will find their merchandise more attractive and convincing when exposed to Perfect White's light source.



MEGAMAN® Standard 2800K LED Spectral Response Curve



MEGAMAN® Perfect White LED Spectral Response Curve



Perfect White



AR111 / Professional Series



TCH

Dimmable

Perfect White



3000K | Ra82



AC 12V



35000 hrs



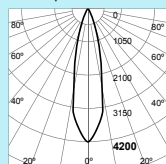
111mm



G53

Model No.	Wattage (W)	Max. Luminous Intensity (cd)	Beam Angle (°)	Total Luminous Flux (lm)	Luminous Flux in 90° cone (lm)	Length (mm)	Dimmable	Energy Label
ER2712p-75H24D	12	4200	24	700	560	58	100-10%	A
ER2912p-75H45D	12	1500	45	700	560	58	100-10%	A

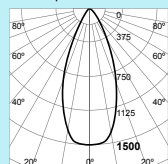
ER2712p-75H24D



m	Lux	Ø cm
0.5	16800	21
1	4200	43
1.5	1867	64
2	1050	85

Beam angle = 24°

ER2912p-75H45D



m	Lux	Ø cm
0.5	6000	41
1	1500	83
1.5	667	124
2	375	166

Beam angle = 45°