



PHILIPS

Professional Lighting

Industry



Case study

Wine distribution reaches new heights with tailored LED lighting

WineWorks, Marlborough, New Zealand

Client
WineWorks

Lighting Designer
Morgann Le Bars

Project Manager
Rhys Jamison

Philips LED Tango
Philips LED GreenUp Highbay

WineWorks New Zealand



Background

WineWorks is New Zealand's largest provider of bottling and distribution services to the wine industry. The company has facilities in Marlborough, Hawkes Bay and Auckland.

A recent merger, combined with an insatiable appetite for New Zealand wine has seen production soar at the WineWorks Marlborough facility. To ensure their customers could continue to meet this increased demand, in 2015 WineWorks added a 15,000m² Distribution Centre to their existing bottling and warehouse facility.

With racking soaring as high as 15m at its peak, Philips have a wide range of optics available which were used to tailor the client's lighting design. This was required to ensure both vertical and horizontal illumination for optimal worker safety and productivity.





The project

The huge amount of high racking in the new Distribution Centre created a unique set of lighting challenges. The floor space in the aisles needed to be safely illuminated for staff. At the same time, every shelf in the racking units needed to have the light required for forklift operators to safely load and unload product.

One Philips lighting product was uniquely placed to address both requirements. The Philips LED GreenUp Highbay.

The GreenUp Highbay uses a special HRO optic. This optic provides a combination of both narrow and wide beam angles. The narrow beam

provides the floor space with the light it needs, while the wide beam clearly illuminates all of the shelving areas.

The Philips Tango was used for all of the exterior lighting of both the new Distribution Centre and existing plant. This energy-efficient solution uses only 200W compared to the 400W soaked up by the Metal Halide lighting it replaced. And while using less power, the Tango provides more illumination – 22000 lumens compared to the Metal Halide's 20000 lumens.





“ Operations are safer and more pleasant. Employees are much happier working in areas that are well lit. As a company that aims to be an employer of choice, this is another way we can improve things for our staff. Cost-effectiveness is definitely a factor due to the significant power consumption compared to older lighting technology. This reduced energy consumption also improves our environmental credentials.”

Anthony Barnes
Projects Manager, Marlborough
WineWorks

Narrow and wide beam

Energy savings*

Long-lasting and reliable

High visibility for workplace safety

*compared to conventional Philips HID fittings



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