VANTAGE®
LED

MADE IN BRITAIN

HOLOPHANE®

ADVANCED FOOD-SAFE DESIGN

INTERIOR
VANTAGE®
LED

Using the latest in optical, electronic and thermal management technologies, Holophane has designed a luminaire specifically for food processing and clean room environments.

The **Vantage** luminaire helps to create safe, clean and usable environments while providing an effective and energy efficient lighting solution within demanding applications.

Applications

- Food processing and handling
- Poultry and meat processing
- Beverage processing
- Chemical processing
- Pharmaceutical plants
- Pet-food production
- Cold storage/ freezers

Overview

The Vantage LED luminaire exceeds rigorous demands of food-processing plants and related areas, thanks to its strategic sloped shape and ultra-sleek corrosion-resistant finish that repels water and lacks spaces for food, dirt or debris to hide.

- 80 CRI.
- 4000°K & 5000°K colour temperature.
- Lumen ranges from 15,000 to 35,000.
- Fully sealed luminaire.

Approvals

CE UK CA

Complies with EN60598
IP65
-20˚C to +50˚C
(EM1 & EM3 limited to +30˚C).

Durability

Performance

Reliability

prismaled

MADE IN BRITAIN

energy

BRCGS Suitable

ZD¹

For further information please visit the Holophane website **www.holophane.co.uk**

PRODUCT
FEATURES

High visibility and well distributed lighting is required in all food processing/ clean room facilities. Very few sectors, if any, have more stringent lighting requirements than the food and beverage processing industry.

The main challenge is that food and beverage processing operations must have luminaires that can withstand the daily wash down required to prevent bacteria growth or conceal other contaminants. Additionally, caustic cleaning solutions and agents are typically used, thus the environment requires luminaires that can endure the corrosive effects associated.

Specific areas of a processing facilities are often refrigerated, luminaires must be able to turn on at sub-zero temperatures and more importantly deliver the appropriate light levels. Many factors contribute to uniform lighting, including direct illumination that shines downward from a luminaire and indirect or 'bounce' light that reflects off the ceiling and other surfaces. Holophane's optical design controls the light so it reaches all areas within a space without spilling over into other areas where illumination is not desired.

Specification

The luminaire shall consist of a single injection moulded high temperature acrylic prismatic lens that delivers a medium or wide distribution. The prismatic lens is mounted with specially designed screws and washers to hold the prismatic lens in place and ensure an IP65 seal is maintained. The luminaire chassis is manufactured from die cast aluminum to maximise heat transfer from the metal core LED light engine. This also applies to the gear chamber housing the electronic drivers, housing door and top cap.

Features and benefits

Controlled Optical Performance
- Fully sealed optical chamber with a single piece prismatic lens that maximises light output and controls glare.
- Two distributions developed using an LED system that ensures superior uniformity and maximises spacing.

Sloped Luminaire Design
- Design ensures water is allowed to run off the luminaire and that there is nowhere for food, dirt or debris to hide or accumulate.

Complete Light Package
- DALI compatible driver as standard option enabling dimming facility.
- Integrated 360° PIR available for mounting of up to 15m.
- Available with internal DC fuse to accept 170-275V DC. Luminaire will dim to 15% output when powered by VDC.
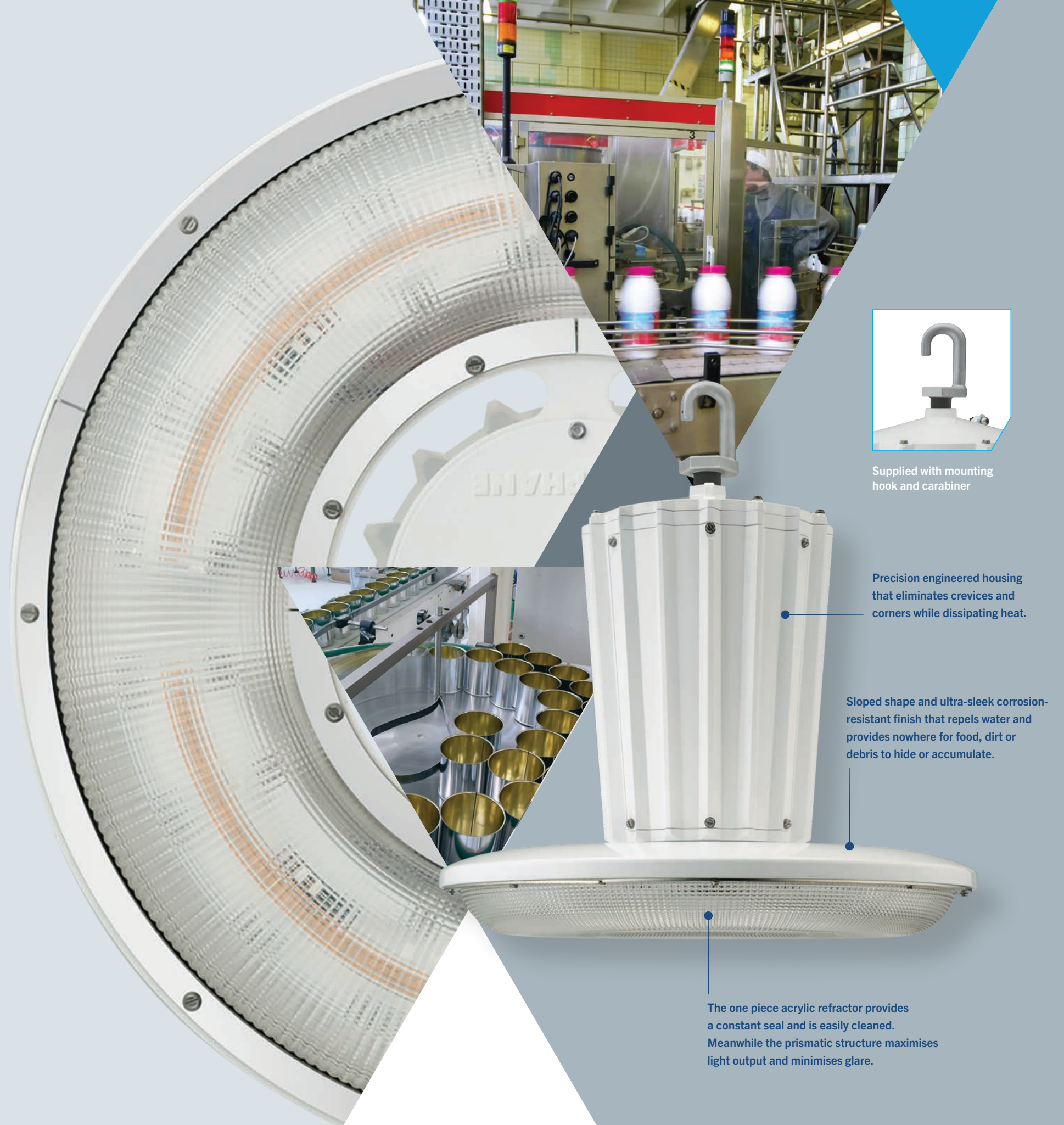
Supplied with mounting hook and carabiner

Precision engineered housing that eliminates crevices and corners while dissipating heat.

Sloped shape and ultra-sleek corrosion-resistant finish that repels water and provides nowhere for food, dirt or debris to hide or accumulate.

The one piece acrylic refractor provides a constant seal and is easily cleaned. Meanwhile the prismatic structure maximises light output and minimises glare.

ORDERING DETAILS

Code	Luminaire (required)						
VAN	Vantage LED						
	Code	Lamp Type (required)					
	.LM15X8	LED light engine producing c.15,000 lm with a nominal 4000ºK or 5000ºK colour temperature, 80CRI					Replace X with 4 for 4000K or 5 for 5000K
	.LM22X8	LED light engine producing c.22,000 lm with a nominal 4000ºK or 5000ºK colour temperature, 80CRI					
	.LM28X8	LED light engine producing c.28,000 lm with a nominal 4000ºK or 5000ºK colour temperature, 80CRI					
	.LM32X8	LED light engine producing c.32,000 lm with a nominal 4000ºK or 5000ºK colour temperature, 80CRI					
	.LM35X8	LED light engine producing c.35,000 lm with a nominal 4000ºK or 5000ºK colour temperature, 80CRI					
		Code	Optics				
		.MD	Medium distribution (1.0:1 - 1.5:1)				
		.WD	Wide distribution (1.5:1 - 1.9:1)				
			Code	Colour (required)			
			.C1	Smooth White RAL9016			
			.RAL****	RAL Colour (customer choice)			
				Code	Dimming Outputs (options)		
				.LRD	DALI (interior)		
				.CL7	Programmed to deliver 70% of the initial lumens over the life of the luminaire		
				.CL8	Programmed to deliver 80% of the initial lumens over the life of the luminaire		
				.CL9	Programmed to deliver 90% of the initial lumens over the life of the luminaire		
					Code	Emergency (options)	
					.VDC	Luminaire supplied with internal DC fuse to accept 176-275VDC. Luminaire will dim to 15% when powered by VDC	
					.EM1	Self contained (DALI/self-test) 1hr maintained emergency battery and invertor. Output c.700 Lumens. Limited to +30ºC	
					.EM3	Self contained (DALI/self-test) 3hr maintained emergency battery and invertor. Output c.700 Lumens. Limited to +30ºC	
						Code	Photocell (options)
						.TZ02	Complete with 4-Pin Zhaga Socket - 'Bottom' (suitable photocell/node available from Holophane or supplied by others) with weather proof locking top
						.PL0	Integrated PIR, suitable from 4.5m up to 9m. Switches off after 10 minutes of inactivity. Remotely re-programmable with accessory HEL.PRG (purchased separately)
						.PL1	Integrated PIR, suitable from 4.5m up to 9m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes. Remotely re-programmable with accessory HEL.PRG (purchased separately)
						.PH0	Integrated PIR, suitable from 9m up to 15m. Switches off after 10 minutes of inactivity - switching-only functionality. Remotely re-programmable with accessory HEL.PRG (purchased separately)
						.PH1	Integrated PIR, suitable from 9m up to 15m. Dims to 30% after 10 minutes of inactivity - switches off after further 10 minutes. Remotely re-programmable with accessory HEL.PRG (purchased separately)

							Code	Fixed Method (options)
							.CA	Safety Chain Attachment (chain not included)

VAN	.LM15X8	.MD	.C1	.LRD	.VDC	.TZ02	.CA
Example							

Supplied with 3m flying lead. (Core options available upon request).

Note: Exclusions apply to specific options. These will be advised at time of quotation.

Lumen data is considered to be representative of the configuration shown, and may vary, with a tolerance on flux of +/- 7% (typical of LED manufacturers data) and luminaire power of +/- 5%.

DIMENSIONS & PERFORMANCE

550

Ø 524

Gasketed Hook

Top

dimensions in mm
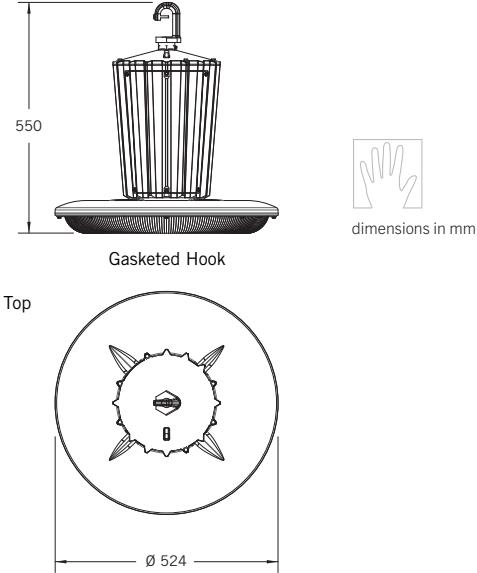
Typical luminaire performance

Configuration	Delivered Lumens	Power Usage (W)	Rated Life of LED Module (L70B50 @Ta 50°C)
VAN.LM15X8	15,000	85	100,000 hrs
VAN.LM22X8	22,000	122	100,000 hrs
VAN.LM28X8	28,000	164	100,000 hrs
VAN.LM32X8	32,000	186.9	100,000 hrs
VAN.LM35X8	35,000	210	100,000 hrs

Note: Data is correct at time of print.
* For other life metric data in line with IEC PAS62722-2-1 and 62717 contact your Holophane Representative for details.
† Based on the average of all the optical distribution options.
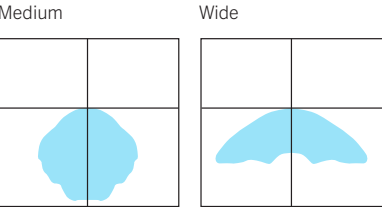
Weight kg

VAN	20

TA

-20°C to 50°C

Light Distribution

Medium   Wide

CONNECTED SOLUTIONS

ZD4i logo

The **ZD4i architecture** provides a future-proof foundation that enables users to build on whenever their site/project is ready to opt into new advances in technology. It is designed to work with industry-recognised, futureproof drivers and sensors that have the potential to increase energy efficiency and collect different types of data. By having Vantage ZD4i ready customers can upgrade/adjust the controllability of their lighting and gather valuable data whenever they are ready.

*Only available with .TZ02 option.

Customer Benefits

Increased Energy Savings

Sensors and devices can be used to optimise luminaires to give greater energy savings and provide light only when it is required.

Flexibility

The D4i architecture enables the interchanging and upgrading of sensor and device options should and when the end-user pleases.

Future Proof

End-users have access to an ever expanding eco-system of devices and sensors through 3rd-party suppliers. The D4i architecture is an industry recognised platform.

Note: image shows Vantage with additional .PH1 (available separately via Holophane)

IOT.TZ.PIR
For use with TZ02

The FDP-301 Wattstopper is an IP66 sensor, suitable for outdoor applications where presence detection is needed. It features a PIR combined with and integrated photocell and requires a luminaire with an intelligent driver, such as the Philips SR and a Zhaga 4-pin socket. It can be programmed to enable presence detection below a certain lux level eliminating the need for extra photocells or custom solutions, largely simplifying the installation. It is ideal for Parking Areas, Warehouses, Distribution Centres, or even High Bay Indoor Spaces. It is programmable via Bluetooth, with a simple smartphone app available on Google Play store or on App store.

.HSA.NODE

HOLOS Air is a web-based, wireless control, monitoring and management system for lighting. It gives users the freedom to commission, configure and completely control their own lighting to maximise energy savings and reduce carbon emissions.

HOLOSAir

Note: Please ensure that the selected IoT device is compatible and suitable for the respective luminaire. All installation should be completed in compliance with the respective devices installation instructions (and limitations). Holophane cannot be held responsible for the operation of its luminaires with third party devices.

FOOD PROCESSING
Our Lighting Solutions Guide

To minimise the risk of contamination and to ensure the consumer purchases a safe product, the food processing industry requires luminaires to comply with strict HACCP, IFS and BRGCS standards ensuring they are resistant to water, dust, moisture, and other contaminants.

Adequate lighting throughout the premises should enable staff to perform all operations and processes, inspect and monitor product quality and be easily cleaned.

Solutions from Holophane

Our food processing luminaires are IP65 minimum, made from shatterproof material which are easy to clean, non-toxic and have a high resistance to corrosion.

Not only do our high-performance lighting solutions help with visual inspections, but also reduce energy costs and usage, plus lessen your maintenance expenditure by utilising the latest LED technologies and bespoke optics. Also, a well-lit space helps employees do their jobs accurately, efficiently, and most importantly, safely!

Lighting Applications

High Risk - processing

High Risk areas refer to areas of production where food is openly processed. There is a high need for sanitisation, therefore, there are two key considerations:

ONE: The lighting fixture itself is protected from contamination, whether that's glass breakage or gaps that allow fungus growth.

TWO: Luminaires may be cleaned intensively with harsh chemicals. This means they need to be resistant against corrosion.

Low Risk - production

Low Risk areas refer to areas where food is being packaged, bottled, and labelled. Cleaning efforts are less rigorous, but there still needs to be some low-level sanitation.

Lighting levels and distribution are very important in these areas as there is a lot of heavy machinery and employees need to have enhanced vision to work around them.

Cold Stores

Lighting solutions for cold stores will vary as there are many different types of cold stores to consider. It is important to consider how intense temperatures will affect luminaires and their batteries.

Cold stores also increase humidity, through humidity controls, to maintain food quality, which means luminaires need to be well sealed.

It is also recommended that luminaires are low maintenance and low glare, plus LEDs are a good choice for cold stores as they tend to perform better in lower temperatures.
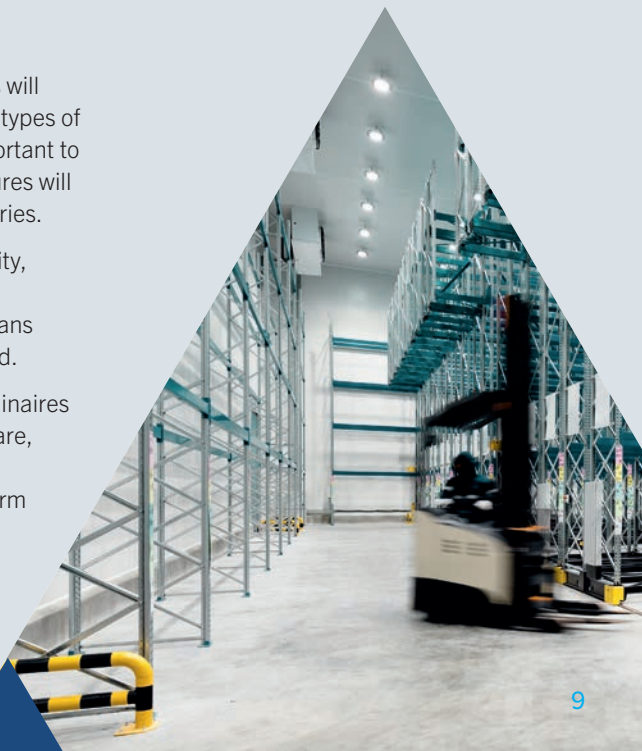
FOOD PROCESSING

VANTAGE

- Precision engineered cast housing that eliminates crevices and corners while dissipating heat.
- Sloped Shaped and ultra sleek corrosion resistant finish.
- One piece acrylic refractor provides a constant seal and is easily cleaned.

(IP65) (80 CRI) (4000K & 5000K COLOUR TEMPERATURE) (LUMEN RANGES 15K-35K) (100,000 HRS)

CSVT

- Frosted polycarbonate diffuser offering a symmetric distribution.
- Multiple entry points for flexible power termination.
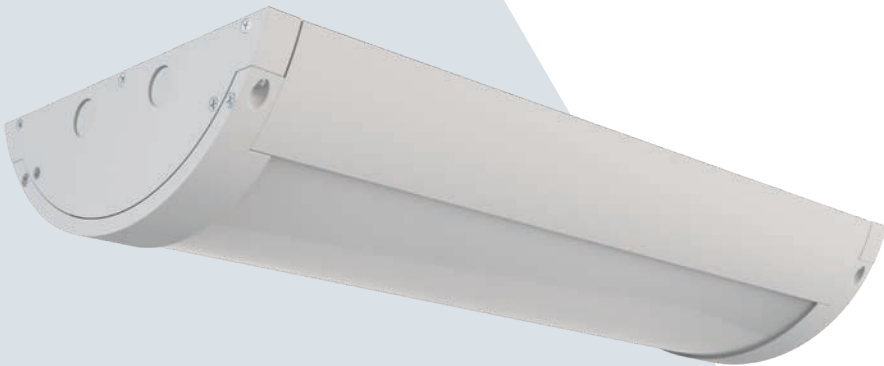- Robust construction with stainless steel latches and brackets.

(IP65) (80 CRI) (4000K COLOUR TEMPERATURE) (LUMEN RANGES 2K-7K) (50,000 HRS)

PRISMASHIELD

- Versatile lighting that can be wall or cornice mounted.
- Pressure equalisation valve that prevents the penetration of solid or liquid contaminants.
- Cable management system and infill panels for on-site flexibility.
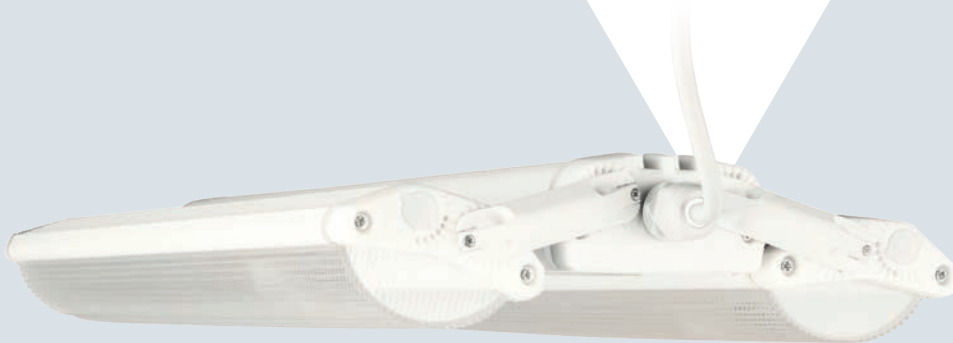
(IP65) (80 CRI) (4000K COLOUR TEMPERATURE) (LUMEN RANGES 2K-14K) (100,000 HRS) (IK10)

Controls & Emergency Lighting Systems

When equipped with optional embedded control devices, each of our recommended lighting solution provide additional energy savings.

- Programmable
- Dimmable
- Motion and Ambient Light Detection
- Wireless technology with communication nodes
- Emergency options available

PRISMASPACE (IP65 version)

- Rotatable 180-degree optics that focus on the working plane.
- Single or double optical modules that can be mounted or suspended directly to trunking.
- Aluminium body with two bespoke moulded plastic (glass filled PA6-6) end caps.

(IP65) (70 & 80 CRI) (4000K OR 5700K COLOUR TEMPERATURE) (LUMEN RANGES 3K-40K) (100,000 HRS)

DID YOU KNOW?

Changes on the RoHS directive saw the phasing out of T5 and T8 fluorescent lamps, with businesses required to source alternative lighting solutions.

Whether you're in need of an upgrade or just looking ways to reduce your costs

- Compliant
- Improve safety, visibility, and well-being.
- Energy cost savings
- Enhanced lighting control
- Reduced maintenance costs
- Environmentally friendly

We are recognised and trusted

With over 125 years of technical excellence and innovation, the name Holophane has enjoyed an enviable reputation throughout the world for its expertise, quality, and development of new ideas in lighting.

Our aim is to develop and maintain long term relationships with our customers. We do this by offering sustainable solutions that provide a low cost of ownership, a high-quality solution, with a superior customer service.

HOLOPHANE®

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