## The Right Replacement for HID

HiCloud LED High Bay Light

THE INDUTRIAL PERFECT ENERGY SAVING SOLUTION FOR OPEN
AREAS & RACKING AISLES IN DISTRIBUTION CENTRES

REDUCED INSTALLED LOAD

In the past years we have worked extensively in the industrial market. We have replaced traditional
'Low Bay' luminaires with SON or mercury lamps, often consuming up to 435 watts per luminaire.
(A 400 W SON lamp typically costs over $1.00 to run for 24 hours). The fluorescent range of racking
luminaires typically consumed 165 watts per point. Launching high performance LED product reduced
comparable consumption of power down to 50%
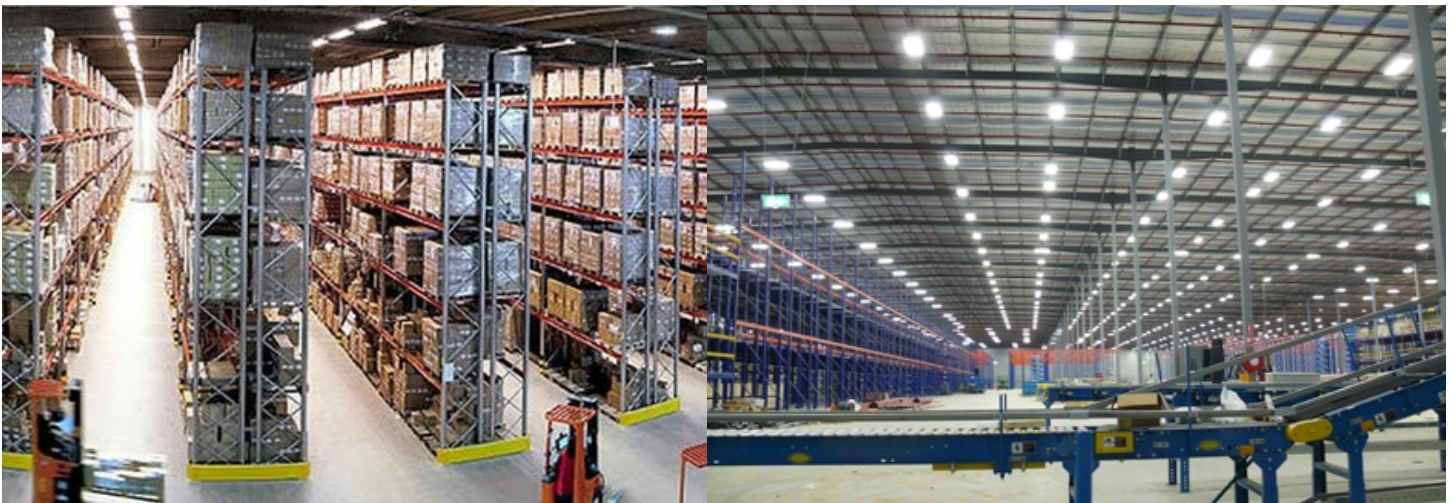
The luminaires (with controls) can also enable daylight regulation, so that the luminaires dim
down when daylight is present, saving even more energy.

REDUCED MAINTENANCE

Our new LED Hi-Max luminaires have exceedingly long life expectancy to reduce
maintenance costs.

WIRELESS CONTROLS

Our extensive range of wireless controls can provide further features that include full energy
monitoring and emergency testing and reporting.

The 1000w HID has just been put on ICE.
The Sigma ICE LED High Bay is now available!
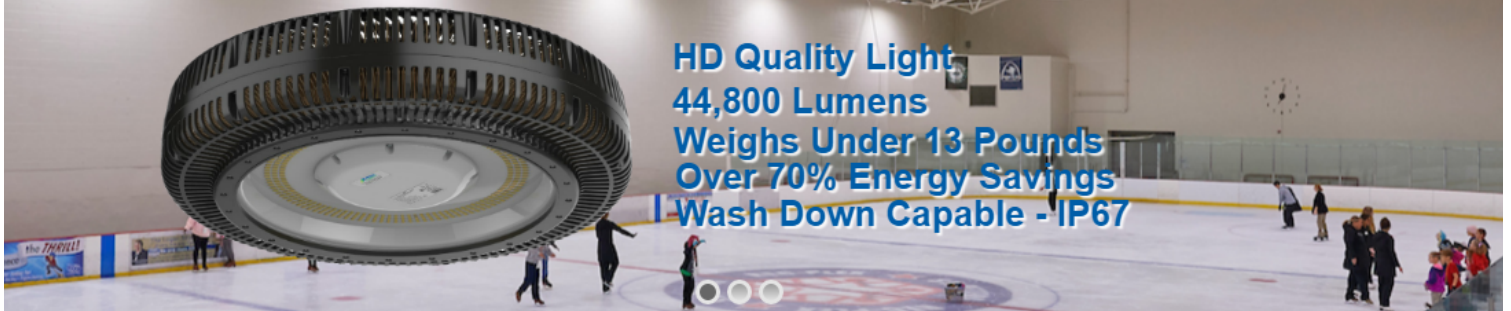
HD Quality Light
44,800 Lumens
Weighs Under 13 Pounds
Over 70% Energy Savings
Wash Down Capable - IP67

The one-piece aluminum die-cast housing allows heat to flow to all areas, creating one large continuous heat-sink. The radial fins act to accelerate natural convection, pulling cooler air from below and reducing the housing temperature resulting in higher lumen output per Watt and longer LED life.

HIGHMAST

Part Number	LP250060	LPG250120	LPG250180
Description	LED Floodlight 60W IP66 (5000K)	LED Floodlight 120W IP66 (5000K)	LED Floodlight 180W IP66 (5000K)
Chipset	Nichia NF2W757DRT-V1	Nichia NF2W757DRT-V1	Nichia NF2W757DRT-V1
Driver	Meanwell HLG Series	Meanwell HLG Series	Meanwell HLG Series
Dimmable	No	No	No
Nominal Power	60W	120W	180W
Input Voltage Tolerance	100-277V AC	100-277V AC	100-277V AC
Nominal Lumens (LM)	6600	13200	19800
Nominal Efficacy (LM/W) / PF	110 / >0.9	110 / >0.9	110 / >0.9
Colour Temperature / CRI	5000K (Cool White) / Ra73	5000K (Cool White) / Ra73	5000K (Cool White) / Ra73
Beam Angle / UGR Index	120° / 16-22	120° / 16-22	120° / 16-22
Dimensions (MM) / Weight (G)	306X275X272 /3900	512X275X272 / 6900	512X413X272 / 10300
Cut Out Size (MM)	N/A	N/A	N/A
Working Temperature	-30°C – +55°C	-30°C – +55°C	-30°C – +55°C
Expected Life Time	>100,000 Hours	>100,000 Hours	>100,000 Hours
Warranty	5	5	5
IP Rating / IK Rating	IP66 / Test Pending	IP66 / Test Pending	IP66 / Test Pending

SAA APPROVALS   EMC LM-79 LM-80 TM-21

Outstanding Cooling Performance with Chimney Structure Design

Unique chimney structure design allows HiCool to realize excellent cooling performance. The Weight and volume are also reduced compared to normal high bay with same heat dissipation effect.

IP65 for Wet Location

IP65 widens application scope of HiCool. Sleek frame and well-ventilated heat sink avoid dust accumulation.
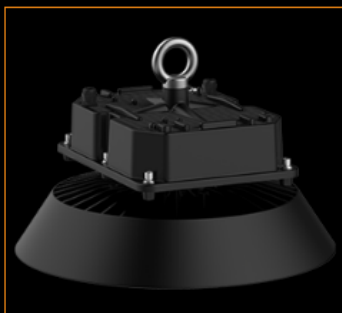
Standard

Daylight Sensor

Dimmable

DALI

Microwave Sensor

ZigBee

GOOD TO KNOW

SURVEY & SCHEME DESIGN

We have a team of qualified lighting engineers who can carry out free surveys of logistic and industrial premises and present energy saving lighting proposals, associated costs and payback information.


Tunnel road lighting must provide comfort and safety and maximize the visual performance of users. Used generally for transition and interior zones for long tunnels, and in short tunnels, or low speed tunnels for all zones. Asymmetrical lighting can also be a means of reinforcing the luminance level in one way tunnels.

The LED Tunnel luminaire features a rugged and low profile housing construction incorporating modular LED LightBAR™ technology. Through superior optical control, delivers uniform and energy-efficient illumination optimized to improve vehicular movement in roadway tunnel and underpass applications. UL and cUL listed for wet locations

Site lighting is most commonly found in parking lots, downtown areas, neighborhoods, walkways and building grounds. Pole top lights are the most popular version of area and site lights because of the wide beam of light they provide. It serves the purpose of bringing a uniform lighting experience to a large space.

CARBON TRUST **SUPPLIER**

LUXLINK WIRELESS

W
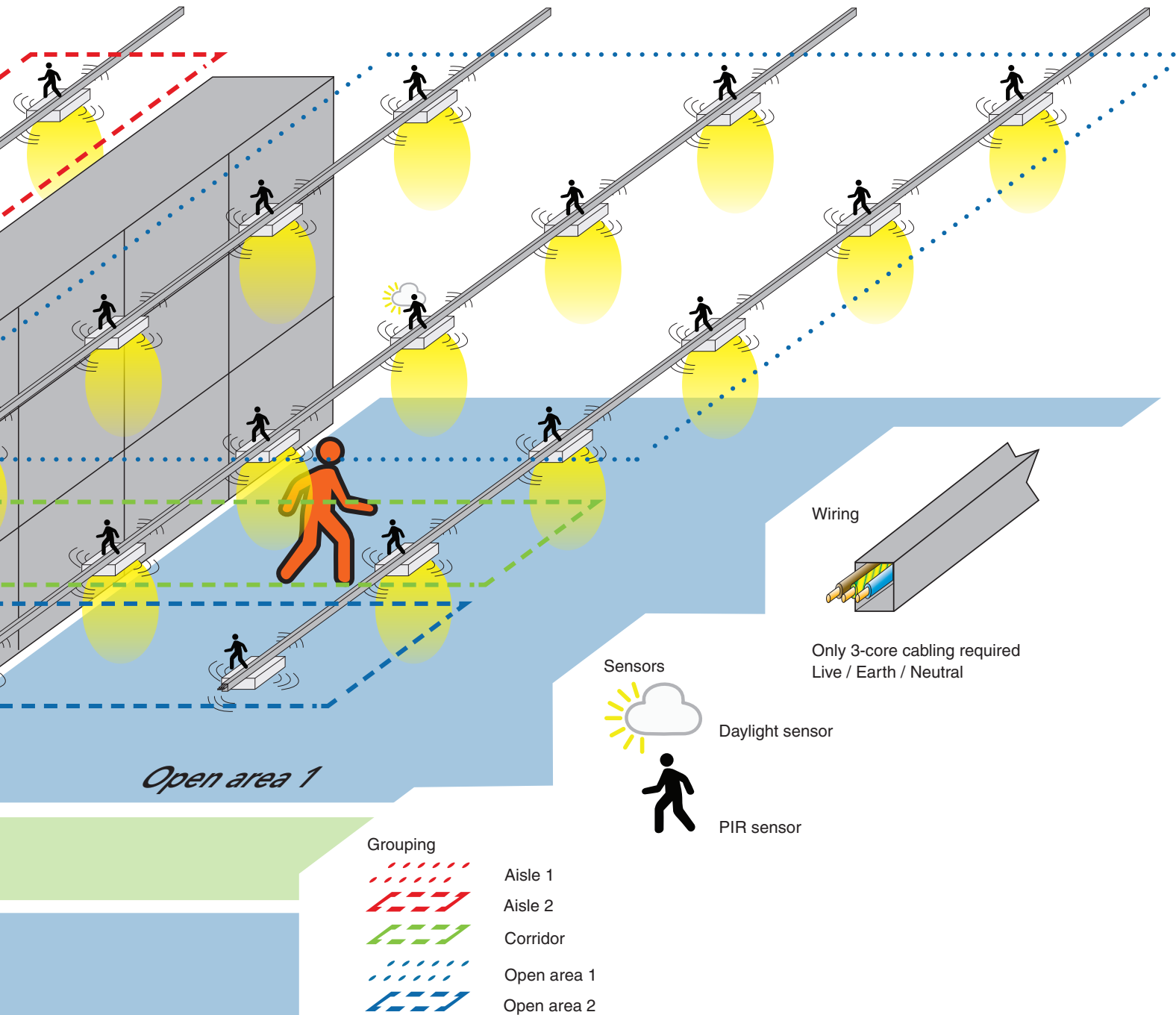ENABLED

Aisle 1

Aisle 2

Corridor

Open area 2
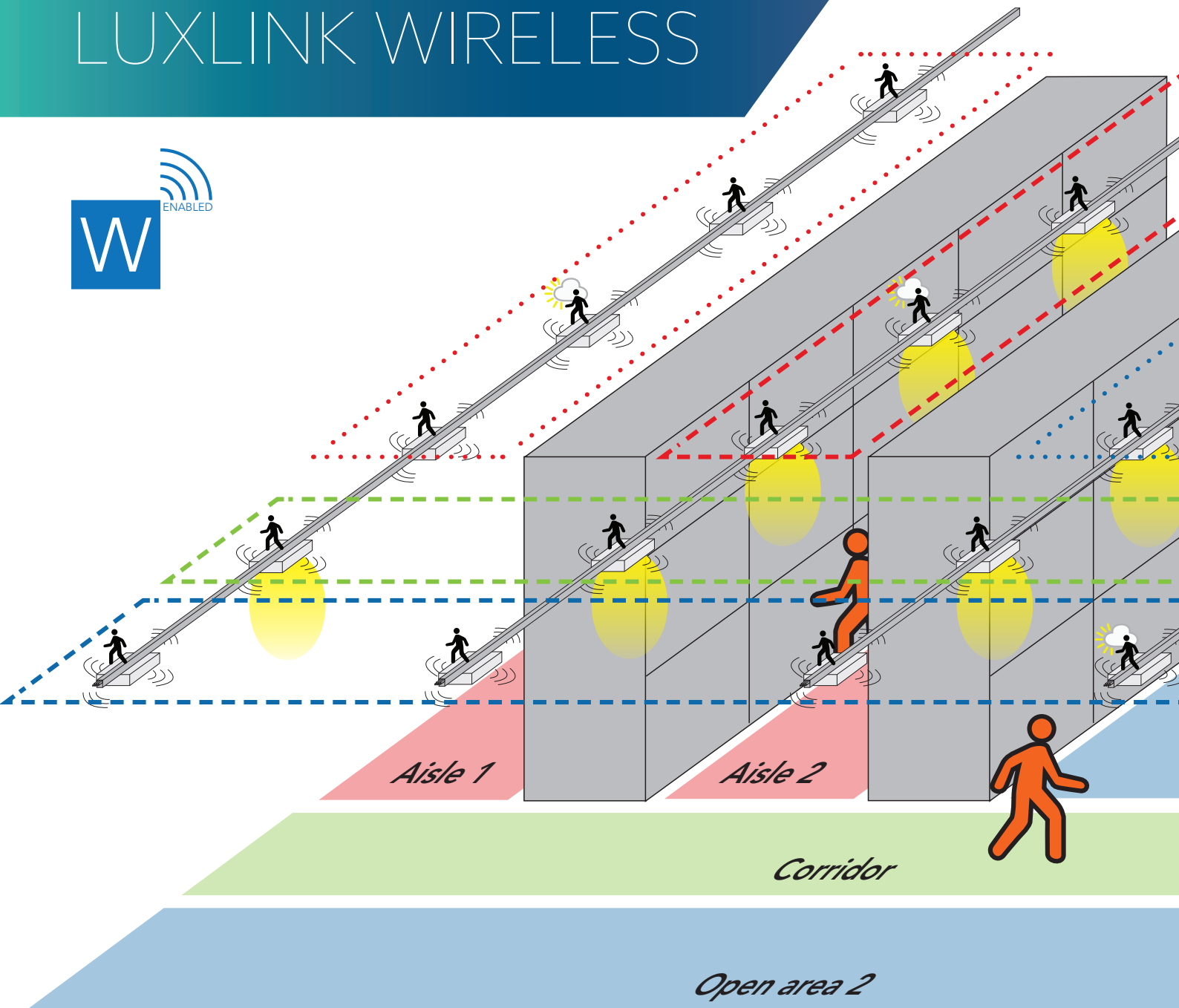
The Luxlink® Wireless lighting control system is an innovative lighting control system popular with, but not exclusive to, the industrial and warehousing sector.

Luxlink® Wireless is more sustainable than a traditional DALI system, utilising less copper. The control system is mounted within each luminaire, reducing the amount of cabling required compared with DALI systems that typically use five or six cores throughout the installation. The luminaire is permanently live and needs only three cores when using self-test emergency inverters.

Luminaires use wireless communication through a transceiver module mounted in the luminaire and avoid any further control cables or lighting control system panels to house control system infrastructure components. In addition, PIR Sensors suitable for mounting up to 15m high are mounted in each luminaire saving installation time and cost compared with remote mounted sensors.

Lux sensors can also be mounted in the back of the luminaire for measuring available daylight for open loop control, or wall-mounted for closed loop control. The system is highly flexible, programmable via tablet and can easily be retrofitted to existing installations by simply replacing the existing luminaire.

Wiring

Only 3-core cabling required
Live / Earth / Neutral

Sensors

Daylight sensor

PIR sensor

Open area 1

Grouping

Aisle 1
Aisle 2
Corridor
Open area 1
Open area 2

Features

Emergency light testing – offers a range of self-test emergency luminaires that are monitored by the transceiver module for download and reporting.

Energy monitoring – provides energy usage information based on how long the luminaire has been 'on' and the power consumption of the luminaire.

Daylight linking – back-mounted light sensors in luminaires close to roof lights can measure available daylight and dim light levels in control zones wirelessly. Wall-mounted light sensors measure the contribution from daylight and artificial light closer to the working plane and adjust the artificial lighting to top up daylight when necessary.

'Off to dim' – background lighting to aisles and corridors is achieved through the systems 'Off to dim' feature to avoid dark aisles and to keep a basic level of lighting to all areas.

Priority control – luminaire-based sensors can be overridden using a switch or a fire alarm contact connected to a transceiver module. This will enable lighting to lift to 100% in the event of a fire, using priority control levels programmable into each transceiver module.

Group control

Each luminaire is individually programmable for an aisle, corridor or open area control profile depending on the layout of the warehouse. Luminaires are then grouped for logical control operation. Any grouped luminaire sensing occupancy will wirelessly communicate with other same group luminaires for switch 'On', 'Off to Dim' or 'Off'.