

aerial

Industrial: Suspended T5 hibay luminaire



APPLICATION

High efficiency Retail or high rack Warehouse lighting for mounting heights above 4 metres, as a real replacement for 400w HID solutions.

Designed for areas where a high proportion of uniform vertical illuminance is required.

- Superstores
- Retail
- Warehouses
- Factories
- Exhibition Halls

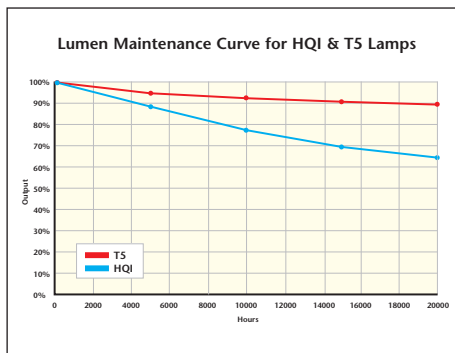
SPECIFICATION

- 3, 4 or 6 lamp versions available
- Lamps recommended: 80W T5 4000K
- Body fully box jointed with welded corners
- Polyester paint finish: White RAL 9010
- High Frequency gear as standard
- Fully integral emergency version
- Fused terminal block
- Separately switched inner and outer lamps
- Combination of specular and semi-specular reflectors for high efficiency and controlled contrast
- Uplighting element
- 4 suspension points for wire or chain suspension by others
- Optimum mounting height >4 metres
- Lamps not supplied

Options

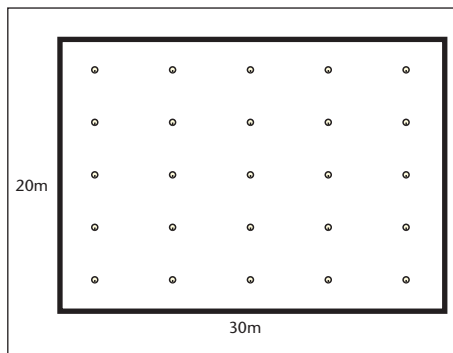
-  Easytest – integral self test version available





HQI and T5 Lumen Maintenance

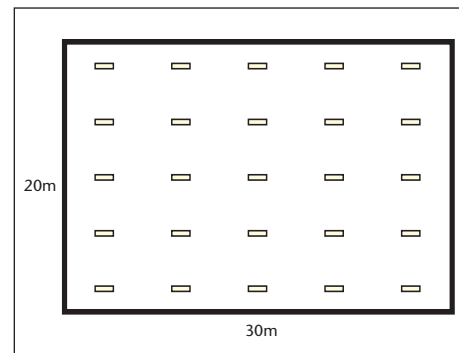
T5 fluorescent lamp has superior performance over life when compared with HID lamp types.



Hibay Sample Plot

400W HQI Hibay
Initial illuminance 1290 Lux
Illumination at lamp replacement
(15000 hours) 890 Lux

Room Reflectance 70/50/20
Mounting Height 6m
Spacing 6m x 4m
25 off luminaires

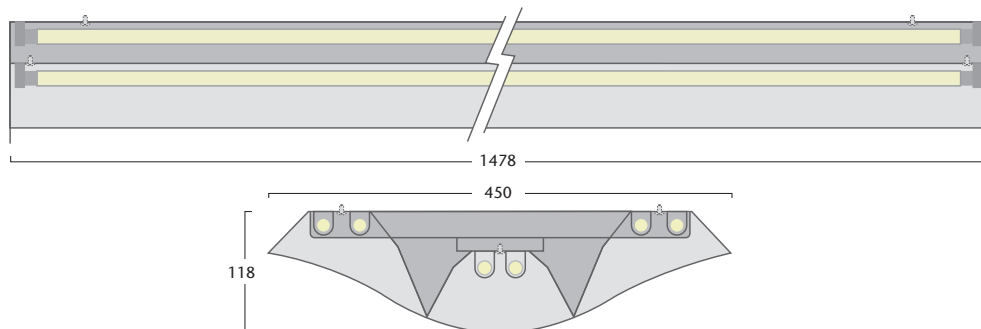


Aerial Sample Plot

6 x 80W T5 Aerial
Initial illuminance 1240 Lux
Illumination at lamp replacement
(15000 hours) 1116 Lux

Room Reflectance 70/50/20
Mounting Height 6m
Spacing 6m x 4m
25 off luminaires

DIMENSIONS



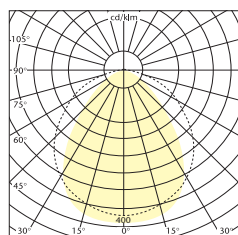
PHOTOMETRY

Aerial

SUSPENDED HIBAY LUMINAIRE
6 x 80W T5



- LOR = 80.5%
- SHR MAX = 1.44



UTILISATION FACTORS UF(F) SHR NOM=1.25

Room Reflectance	Room Index	0.25	0.50	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
C	W	F	0.75	0.70	0.65	0.60	0.55	0.50	0.45	0.40	0.35
0.70	0.50	0.20	0.53	0.61	0.66	0.70	0.75	0.78	0.81	0.84	0.86
0.50	0.30	0.20	0.47	0.55	0.60	0.64	0.69	0.73	0.75	0.78	0.80
0.00	0.00	0.00	0.41	0.49	0.54	0.57	0.62	0.66	0.68	0.71	0.73

ORDER CODES - AERIAL

SUSPENDED 6 X 80W T5 HIBAY LUMINAIRE

SUPPLIED LESS LAMPS	LUMINAIRE
6 x 80W T5 HF	AERH680
4 x 80W T5 HF	AERH480
3 x 80W T5 HF	AERH380
Suspension Kit (up to 3m drop)	AERSK1

EMERGENCY Add suffix to order code above

EMIN 3 hour maintained integral emergency, i.e. AERH680**EMIN**

EASYTEST OPTION Add suffix to luminaire order code above

/ET Integral self autotest, i.e. AERH680**/ET**

To specify state:

Suspended canopy luminaire with 6 x 80W T5 lamps, high reflectivity aluminium reflectors and 4 suspension points for wire or chain suspension > 4 metres
- as Whitecroft Lighting AERIAL.

LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 80W	6150	20,000