



Optics

- Lamp options:
 - 4 or 6 x 49/80W T5
- Combination of specular and semi-specular reflectors for high efficiency and controlled contrast
- Uplighting element
- Suitable for mounting heights between 4m and 8m

Body

- Steel body finished white
- 4 suspension points for wire or chain suspension (by others)
- Optional suspension kit with up to 3m drop
- On high frequency versions, lamps are separately switched to allow varying light levels
- Not suitable for trunking mounting as standard

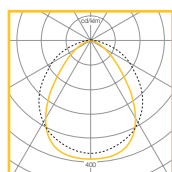
Order Codes

Aerial	HF Gear	3 hr Emergency
T5 4 x 49W	AERH449	AERH449EMIN
T5 6 x 49W	AERH649	AERH649EMIN
T5 4 x 80W	AERH480	AERH480EMIN
T5 6 x 80W	AERH680	AERH680EMIN

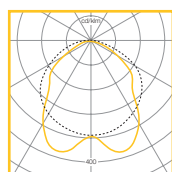
Options

DALI DIMMING	Replace H with Y	i.e. AERY449
EASYTEST	Add suffix /ET	i.e. AERH449/ET
COMEPS	Add suffix /EP	i.e. AERH449/EP
COMET	Add suffix /CT	i.e. AERH449/CT
WIRE SUSPENSION KIT	Up to 3m drop	AERSK1

Photometric Performance



6 x 80W T5
• LOR = 80.5%
• SHR MAX = 1.44



4 x 80W T5
• LOR = 85.2%
• SHR MAX = 1.61

Utilisation Factors UF(F)

Room Reflectance		Room Index	
C	W	F	
0.70	0.50	0.20	0.61 0.81 0.86

Utilisation Factors UF(F)

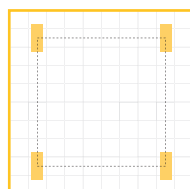
Room Reflectance		Room Index	
C	W	F	
0.70	0.50	0.20	0.56 0.82 0.89

Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 49W T5	4375	24,000hrs
1 x 80W T5	6550	24,000hrs

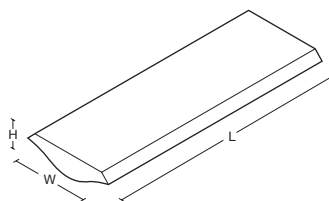
Performance Guide

Lamps	Illuminance	Spacing
6 x 80W T5	520 lux	7.0m x 7.0m



Maintenance: 0.8
Reflectance: 70/50/20
Ceiling Height: 10m
Working Plane: 0.0m

Dimensions

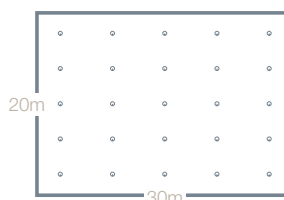


Version	L	W	H	KG	KG
6 Lamp	1478	450	118	9.5	10.5
4 Lamp	1472	356	100	6.0	7.0

Hibay vs Aerial Performance Guide

Hibay Sample Plot

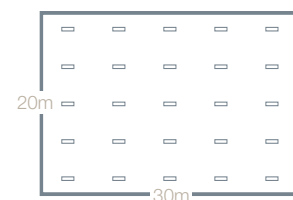
Lamps	Illuminance (Initial)	Illuminance (after 15,000 hrs)
400W HQI	1290 lux	890 lux



Reflectance: 70/50/20
Spacing: 6m x 4m
Mounting Height: 6m
No. of luminaires: 25

Aerial Sample Plot

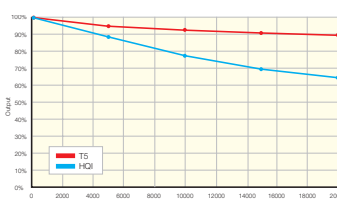
Lamps	Illuminance (Initial)	Illuminance (after 15,000 hrs)
6 x 80W T5	1240 lux	1116 lux



Reflectance: 70/50/20
Spacing: 6m x 4m
Mounting Height: 6m
No. of luminaires: 25

HQI vs T5 Lumen Maintenance

Lumen Maintenance Curve for HQI & T5 Lamps



HQI and T5 Lumen Maintenance
T5 fluorescent lamp has superior performance over life when compared with HID lamp types.

To Specify

Suspended fluorescent high output with 4 or 6 x 49/80W T5 lamps, high reflectivity aluminium optic to control glare & optimise horizontal & vertical illuminance. 4 suspension points for wire or chain suspension – as Whitecroft Lighting AERIAL

