

# HEATLIGHT TECHNOLOGY

## HLQ Pro Range

The HLQ Series are made to withstand the rigours of installation in demanding locations, being robustly constructed and with excellent finger guards to protect against potential hazard. The lamps are quartz halogen short wave, which is a modern gold lamp type giving a clean, contemporary appearance both when lit and unlit. The HeatLight brand is unique in that both the heaters and the lamps are manufactured by us resulting in the best quality solution and complete engineering compatibility. These units can be wall mounted or ceiling suspended, and come in single and three phase versions. The case is manufactured from aluminium, and is finished in a ivory colour powder coat finish. The range has been designed to optimize energy consumption and power output. The secret lies in the relationship between lamp and reflector and it is in this area where the HLQ range excels. The combination of clever heat handling design and the energy efficient benefits make this range unbeatable.



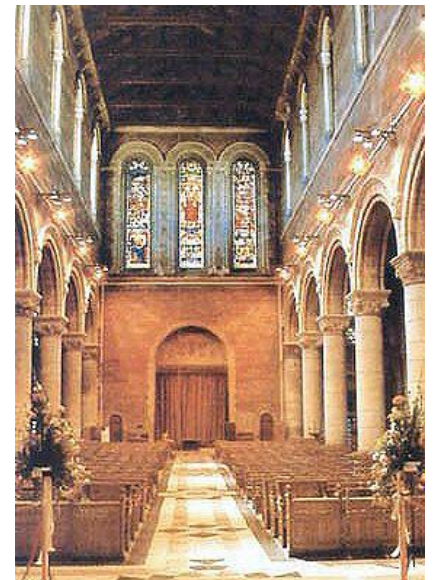
Model No - HLQ15G  
220/240v 1500w 6.25amps



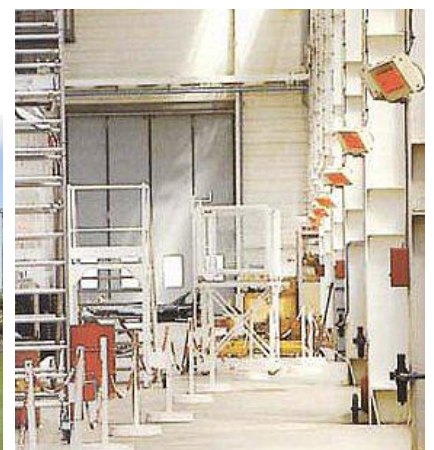
Model No – HLQ30G  
220/240v 3000w 12.5amps



Model No – HLQ45G  
220/240v 4500w 18.75amps  
or 380/415v 4500w 6.25 amps  
per phase



Typical applications for  
Quartz infrared  
heating



# HLQ Pro Range

## Benefits of Using HeatLight Quartz Heating Systems

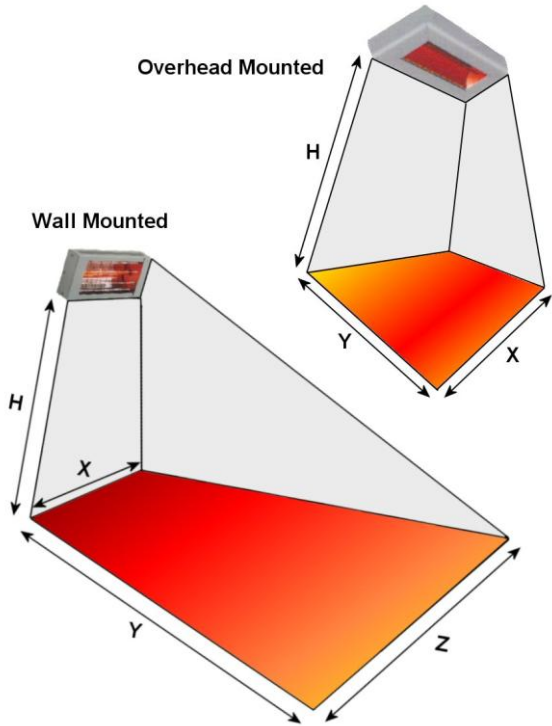
- The perfect solution for commercial & industrial zone heating.
- Recommended by most electricity boards.
- Competitive prices.
- Technical support.
- Design and planning advice.
- Full range of infra red heaters for both fixed and mobile systems.
- Can be controlled by PIR's , Dimmers or Timers

## Heat Requirements

A simple calculation can be made regarding the total amount of heat required in any given area, by using the guidelines in the watts/m<sup>2</sup> below

Choose the nearest figure to the application of work undertaken and premises type, then multiply this by the total area in m<sup>2</sup>. This will give you an idea as to the total amount of wattage required for heating the area.

The size and type of heaters can then be compared with the *table below* to find the most suitable models. A 10 – 15% overlap is recommended to ensure even coverage of the area. Due consideration should be given to the power supply required, mounting locations and safety requirements.



w/m <sup>2</sup> required			
	Heavy work	Light work	Spot Heating
Highly insulated	150	200	250
Insulated	175	225	250
Un-insulated	200	250	275
Light cladding	250	300	300
Badly insulated/damp	300	300	300

## Spot Heating

As an additional guide to spot Heating, we would also recommend heating from two directions, to cover the area from opposite sides. This will ensure an overall feeling of comfort and warmth. A heat loading of 250 – 300w/m<sup>2</sup> can be considered as a guide for this type of area.

	Wall Mounted				Area Covered	Overhead Mounted			Area Covered
	H	X	Y	Z		H	X	Y	
HLQ15G or HLQ20G	2.5m	3.2m	2.6m	6.0m	11.9m <sup>2</sup>	3.0m	3.0m	2.0m	6.0m <sup>2</sup>
HLQ30G or HLQ40G	3.0m	3.4m	3.6m	6.7m	18.2m <sup>2</sup>	3.5m	3.3m	2.3m	7.6m <sup>2</sup>
HLQ45G or HLQ60G	3.5m	4.0m	4.2m	7.9m	25.0m <sup>2</sup>	4.0m	5.0m	3.1m	15.5m <sup>2</sup>
	3.5m	4.0m	4.2m	8.1m	25.4m <sup>2</sup>	4.0m	5.0m	3.4m	17.0m <sup>2</sup>
	4.0m	4.3m	4.5m	8.4m	28.6m <sup>2</sup>	5.0m	5.3m	3.7m	19.6m <sup>2</sup>

Please Note:- All heaters come prewired with 1.5M of cable except the HLQ45G and HLQ60G which are intended for professional installation. All heaters are supplied complete with wall brackets and 4 x M6 mounting holes for hooks to allow for chain hanging.

### Recommended mounting heights

1500w emitters

HLQ15G - Min 2.2mtrs Max 3.0mtrs

HLQ30G - Min 2.2mtrs Max 3.5mtrs

HLQ45G - Min 3.0mtrs Max 4.5mtrs

2000w emitters

HLQ20G - Min 2.2mtrs Max 3.2mtrs

HLQ40G - Min 2.2mtrs Max 4.0mtrs

HLQ60G - Min 3.0mtrs Max 5.0mtrs

	HLQ15/20G	HLQ30/40G	HLQ45/60G
Length	420mm	420mm	420mm
Height	275mm	430mm	590mm
Depth	110mm	110mm	110mm
Weight	3.5Kg	5.0Kg	6.5Kg



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