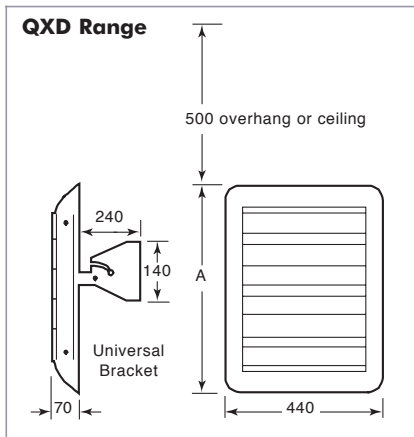


# technical specifications

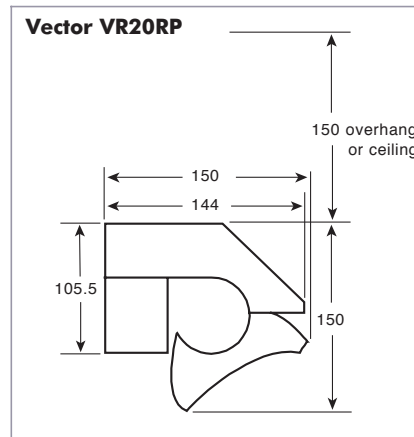
## QXD & VR Range



### Lamps

QXD – Ruby sleeved halogen lamp with tungsten element.

VR – Gold coated halogen lamp with tungsten element. These lamps operate at about 2,200°C and emit shortwave infra-red radiant heat.



### Body

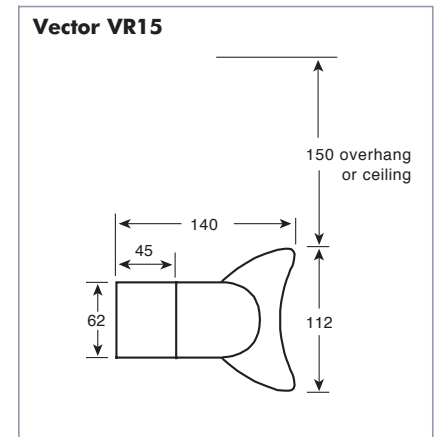
Powder coated steel. Finished in matt black.

### Reflector

Specular quality electrochemically brightened aluminium (purity 99%+).

### Electrical Connection

Where used, a type 'C' MCB with a tripping co-efficient of 5-10 times rated current should be used.



### Hazardous Areas

Quartz heaters must not be positioned within hazardous areas. Quartz heaters are not recommended for use in particularly dusty environments.

## Specifications and Dimensions

Model No.	Input Loading	Number of lamps	Electrical Supply	Dimensions Height	Dimensions Length	Weight	Minimum Height	Recommended Height*	Lamp Guard	Product Guard*
QXD1500	1.5kW	1	230-240V~1PN	256mm	440mm	3.7kg	2.1m	2.5m	QX9310	DXG15
QXD3000	3.0kW	2	230-240V~1PN	380mm	440mm	4.3kg	2.5m	3.5m	QX9311	DXG18
QXD4500	4.5kW	3	230-240V~1PN	506mm	440mm	5.8kg	3.0m	4.0m	QX9312	DXG17
VR15	1.5kW	1	230-240V~1PN	112mm	420mm	3.3kg	1.8m	2.3m	QX9902	–
VR20RP	2.0kW	1	230-240V~1PN	150mm	423mm	3.7kg	1.8m	2.3m	QX9902	–

\* Available from Norfolk Industries on (tel) 01603 667957 or (fax) 01603 624265. \* Calculated at medium intensity (95W/m<sup>2</sup>).

## CXD Range

### Body

Powder coated steel. Finished in high temperature matt black. IPX4 rated.

### Reflector

Specular quality electrochemically brightened aluminium (purity 99%+).

### Elements

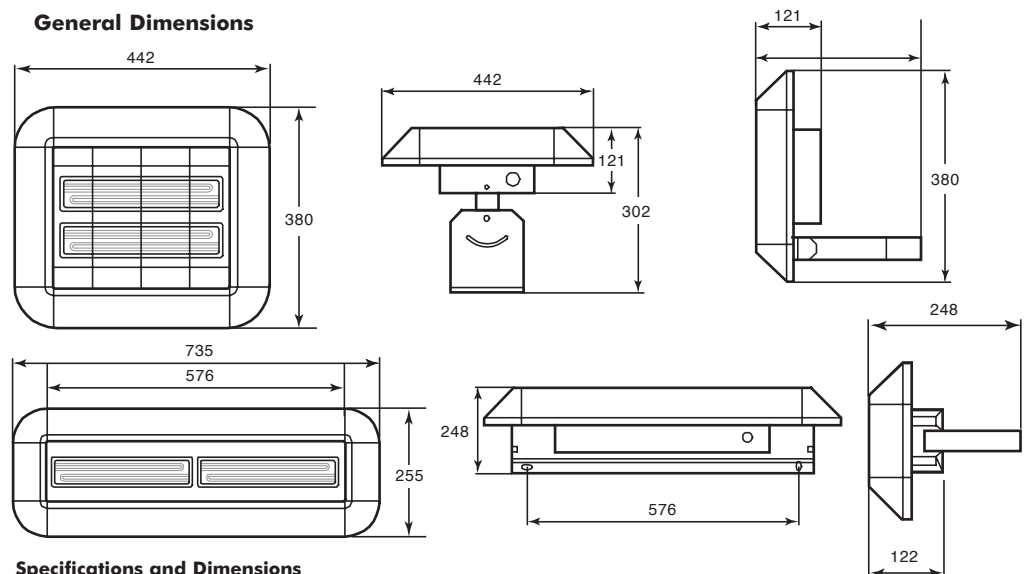
The ceramic element is an efficient, robust element, which provides long wave infra-red radiation and operates at temperatures of below 700°C.

### Electrical Connection

Where used, a type 'C' MCB with a tripping co-efficient of 5-10 times rated current should be used.

### Element Guard

Chromium plated mild steel (fitted as standard).



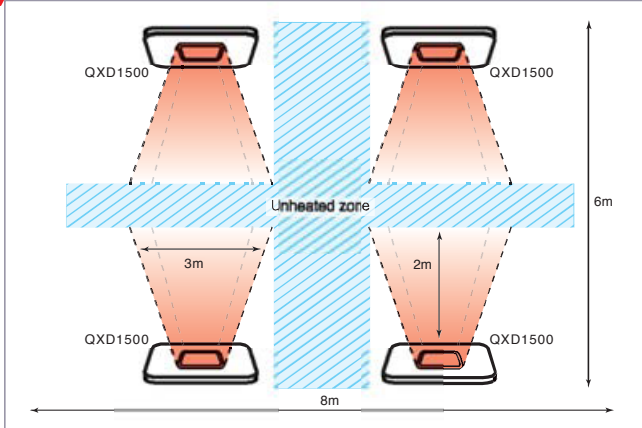
## Specifications and Dimensions

Model No.	Input Loading	Number of Elements	Electrical Supply	Dimensions Height	Dimensions Length	Weight	Minimum Height	Recommended Height
CXD2000V	2.0kW	2	230-240V~1PN	380mm	442mm	5.35kg	1.8m	2.0m
CXD2000H	2.0kW	2	230-240V~1PN	255mm	735mm	5.1kg	1.8m	2.0m

# technical specifications

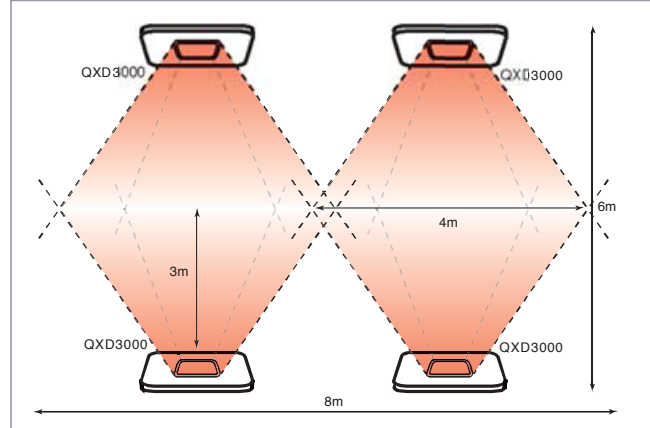
## Positioning, Coverage and Throw – QXD, VR and CXD ranges

### **X** INCORRECT POSITIONING

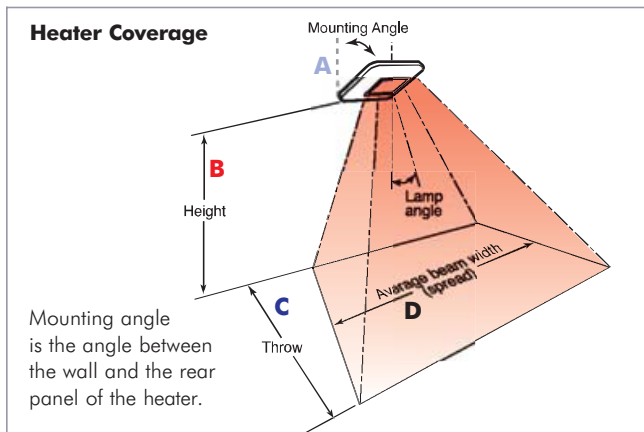


Heaters must be installed so they overlap heated areas and heat from both sides for optimum effect.

### **✓** CORRECT POSITIONING



All heaters must always be mounted on a secure surface. Do not ever attempt to touch the heater when on as injury may occur.



- Inactive (churches / dressing rooms)
- Light work (workshops / desk working / despatch areas)
- Heavy work (factories / loading bays / open air construction)

### QXD Spread & Throw Chart

Height B	QXD1500		QXD3000		QXD4500	
	Throw C	Spread D	Throw C	Spread D	Throw C	Spread D
2.1m	2.5m	2.5m				
2.5m	3.4m	3.7m	4.2m	4.0m		
3.0m	4.5m	5.2m	5.0m	4.5m	5.0m	5.0m
3.5m			5.7m	5.7m	6.0m	6.1m
4.0m			6.4m	6.2m	7.1m	6.9m
4.5m					8.2m	7.8m

A All figures are for 45° mounting angle (for 30° mounting angle increase throw by 1.75 x)

- High intensity (120 W/m<sup>2</sup>)
- Medium intensity (95 W/m<sup>2</sup>)
- Low intensity (70 W/m<sup>2</sup>)

### CXD Spread & Throw Chart

Height B	CXD2000H		CXD2000V	
	Throw C	Spread D	Throw C	Spread D
1.8m	1.8m	1.3m	1.6m	1.1m
2.0m	2.0m	1.4m	1.8m	1.3m
2.3m	2.2m	1.6m	1.9m	1.4m
2.5m	2.4m	1.8m	2.1m	1.6m
2.7m	2.5m	1.9m	2.3m	1.7m

A All figures are for 45° mounting angle

- High intensity (80 W/m<sup>2</sup>)
- Medium intensity (65 W/m<sup>2</sup>)
- Low intensity (50 W/m<sup>2</sup>)

### VR Spread & Throw Chart

Height B	VR15		VR20RP	
	Throw C	Spread D	Throw C	Spread D
1.8m	1.6m	3.0m	1.7m	3.0m
2.0m	1.9m	3.5m	2.0m	3.5m
2.3m	2.4m	3.5m	2.5m	3.5m
2.5m	2.9m	3.5m	3.0m	3.5m
2.7m	2.4m	3.5m	2.5m	3.5m

A All figures are for 45° mounting angle

- High intensity (160 W/m<sup>2</sup>)
- Medium intensity (125 W/m<sup>2</sup>)
- Low intensity (115 W/m<sup>2</sup>)

**Note: All the above applications are dependant on the area heated and the heat-loss within the building structure. Please contact our heating design service with your requirements.**