



# QUARTET 650W

## Features

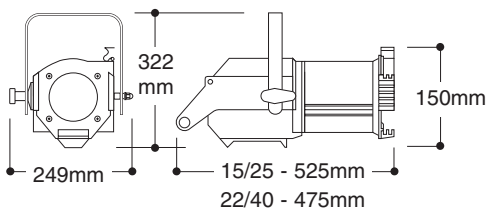
The popular 650W Quartet range has benefited from a thorough upgrade including new features and improved performance. With a new model added to the range there is now a compact and easy to use spotlight for every situation in smaller theatre and display applications.

- Range now extended to include:
  - Quartet F** Fresnel with 10° to 40° soft edged beam
  - Quartet PC** PC spot with tighter but wider 7.5° to 55.5° beam
  - Quartet 15/25** New variable profile spot with 15° to 25° beam
  - Quartet 22/40** Variable profile spot with 22° to 40° beam
- Fresnel and PC output increased by up to 15%
- Profile spot optics redesigned for improved output and cleaner beam distribution for crisper shuttering and gobo projection
- Improved lens mechanism ensures smoother beam adjustments
- Compact, lightweight yet ruggedly constructed



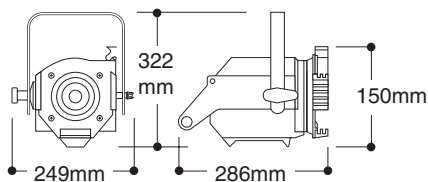
Quartet Zoom

**Quartet 15/25**  
**Quartet 22/40**

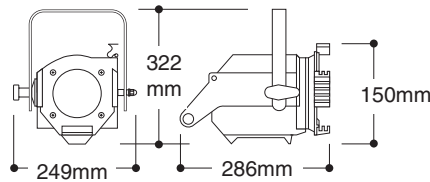


Quartet PCF

**Quartet F**



**Quartet PC**



## Weights and dimensions

	<b>F</b>	<b>PC</b>	<b>15/25</b>	<b>22/40</b>
Weight	3.1kg	3.3kg	5.5kg	5.2kg
Packed weight	4.0kg	4.2kg	6.1kg	6.0kg
Packed volume	0.03m <sup>3</sup>	0.03m <sup>3</sup>	0.05m <sup>3</sup>	0.05m <sup>3</sup>

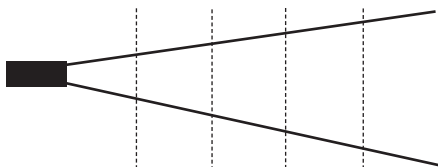


## Photometric data

Typical performance based on: 650W T26/T27 240V lamp.

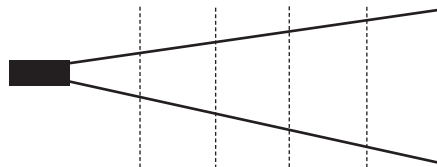
### Quartet F: Narrow

Distance (m)	4	6	8	10
Beam Ø (m)	0.49	0.73	0.98	1.22
Illum (lux)	4744	2108	1186	759



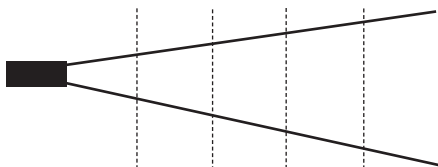
### Quartet PC: Narrow

Distance (m)	4	6	8	10
Beam Ø (m)	0.52	0.79	1.05	1.31
Illum (lux)	3669	1631	917	587



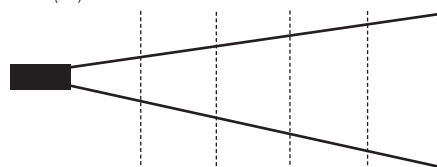
### Quartet F: Wide

Distance (m)	4	6	8	10
Beam Ø (m)	3.3	5.0	6.6	8.3
Illum (lux)	620	275	155	99



### Quartet PC: Wide

Distance (m)	4	6	8	10
Beam Ø (m)	4.2	6.3	8.4	10.5
Illum (lux)	344	153	86	55



Performance at any distance:

Narrow (18°)  $118100 \div \text{Distance}^2$     Wide (30°)  $95100 \div \text{Distance}^2$

Narrow (25°)  $96500 \div \text{Distance}^2$     Wide (50°)  $52000 \div \text{Distance}^2$

To calculate beam diameter at any throw distance:

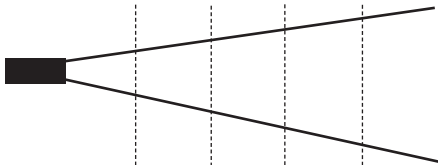
Narrow (18°)  $.32 \times \text{Distance}$     Wide (30°)  $.54 \times \text{Distance}$

Narrow (25°)  $.44 \times \text{Distance}$     Wide (50°)  $.93 \times \text{Distance}$



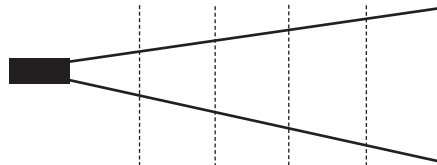
### Quartet 15/25: Narrow

Distance (m)	4	6	8	10
Beam Ø (m)	1.05	1.58	2.1	2.6
Illum (lux)	5096	2265	1274	815



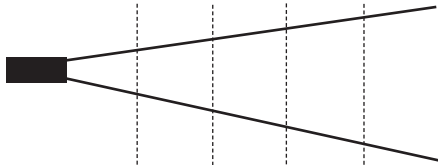
### Quartet 22/40: Narrow

Distance (m)	4	6	8	10
Beam Ø (m)	1.6	2.3	3.1	3.9
Illum (lux)	3659	1626	915	585



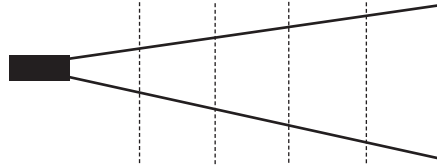
### Quartet 15/25: Wide

Distance (m)	4	6	8	10
Beam Ø (m)	1.8	2.7	3.5	4.4
Illum (lux)	1998	888	500	320



### Quartet 22/40: Wide

Distance (m)	4	6	8	10
Beam Ø (m)	2.9	4.4	5.8	3.9
Illum (lux)	2662	1183	666	426



To calculate lux levels at any throw distance, divide the following factors by the distance squared:

	<b>F</b>		<b>PC</b>		<b>15/25</b>		<b>22/40</b>	
	N	W	N	W	N	W	N	W
Lux	75900	9930	58700	5500	81550	31970	53500	42600

To calculate beam diameters at any throw distance, multiply the throw in metres by:

	<b>F</b>		<b>PC</b>		<b>15/25</b>		<b>22/40</b>	
	N	W	N	W	N	W	N	W
Dia	0.12	0.83	0.13	1.05	0.26	0.44	0.39	0.73



### Operational features

#### Lamp access

Through drop down lamp tray secured by quarter turn fastener

#### Focus adjustment

By locking screw handle on underside of F and PC lamphouse.  
By locking screw handles on side of profile lens tube

#### Lamp adjustment

Beam distribution on profiles adjusted by locking screw handle on underside lamphouse



Quartet Zoom



Quartet PCF

### Electrical & mechanical data

#### Construction

Die cast aluminium lamphouses with extruded aluminium lens tubes on profiles finished in black epoxy powder coating

#### Gate

Sprung assembly houses four removable beam shaping shutters and has runners to take gobo holder or drop in iris diaphragm

#### Lenses

Heat resistant borosilicate glass lenses. F & PC lenses mounted in front of die cast lamphouse.

Profile lenses mounted in die cast carriers sliding on TeflonÆ guides

#### Lampholder

GY9.5 to take lamps of 46.5mm LCL and 650W max

#### Supply voltage

230V ± 10% 50/60Hz

#### Standards compliance

Designed to conform to EN 60 598 2-17

### Ordering information

Quartet spotlights are supplied complete with 1.5m of cable with fitted plug, card colour frame and T26/T27 650W lamp. 240V models come with 15A plug and 240V lamp. 230V models come with Schuko plug and 230V lamp.

Cat No	Description	Optional accessories
11160	Quartet F	18040 Barndoor, 4-leaf rotatable
11170	Quartet PC, 230V	18041 Iris, 12-leaf
11180	Quartet 15/25, 230V	18042 Holder for M-size gobo
11190	Quartet 22/40, 230V	18043 Additional colour frame, card
		18044 Colour frame, metal
		82000 Safety cable, light duty (up to 10kg)
		82010 Hook clamp

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