



QUARTET 650W

Features

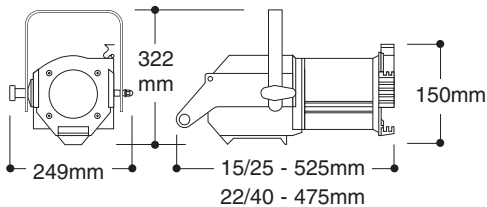
The popular 650W Quartet range has benefited from a thorough upgrade including new features and improved performance. With a new model added to the range there is now a compact and easy to use spotlight for every situation in smaller theatre and display applications.

- 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



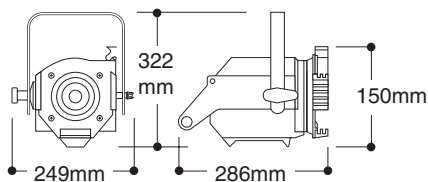
Quartet Zoom

Quartet 15/25
Quartet 22/40

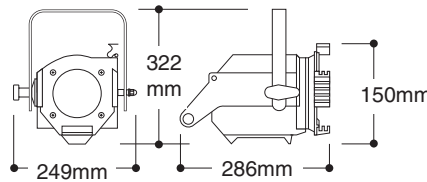


Quartet PCF

Quartet F



Quartet PC



Weights and dimensions

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

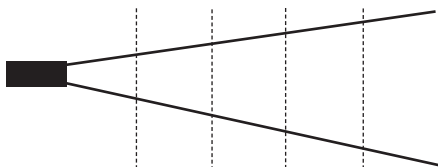


Photometric data

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

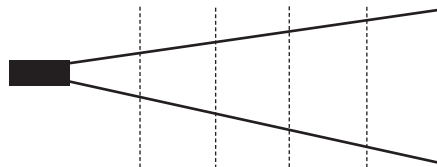
Quartet F: Narrow

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



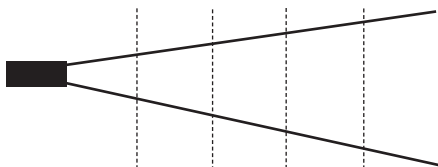
Quartet PC: Narrow

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



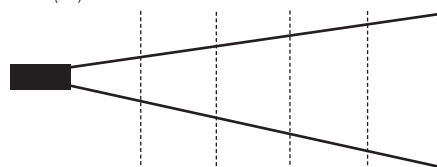
Quartet F: Wide

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:

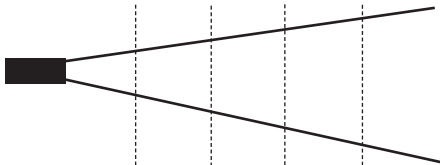
Narrow (18°) $.32 \times \text{Distance}$ Wide (30°) $.54 \times \text{Distance}$

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



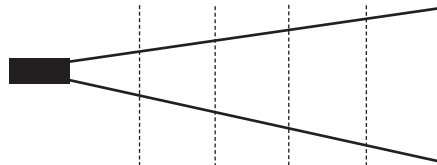
Quartet 15/25: Narrow

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



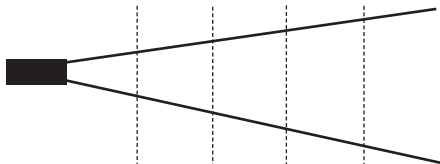
Quartet 22/40: Narrow

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



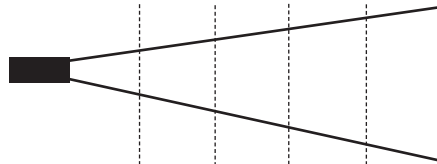
Quartet 15/25: Wide

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	7.3
Illum (lux)	2662	1183	666	426



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

	F		PC		15/25		22/40	
	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:

	F		PC		15/25		22/40	
	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

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



Quartet Zoom



Quartet PCF

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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