Source Four™ PAR EA and MCM

750W/575W PAR



Specifications

Wash luminaire

- Physical Die–cast aluminium construction
 - Tool free cleaning of the reflector and lens
 - Thermally insulated knobs
 - Sealed reflector housing
 - Reflector temperature control through integral heat sink fins
 - Integral die cast colour frame / accessory holders and top mounted retainer
 - Positive locking yoke clutch
- Electrical 230-240V, 50Hz
 - High temperature 3-conductor cable in a silicon rubber outer sleeve
 CE approved

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Lamp

- EA PAR 750W maximum
 - MCM PAR 575W maximum • HPL — compact tungsten filament lamp
 - Patented filament geometry makes for extremely efficient light collection and transmission
 - Integral die–cast aluminium heat sink lamp base

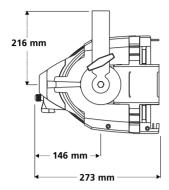
- Four heat resistant, moulded borosilicate glass lenses supplied with each unit: Very Narrow Spot (VNSP), Narrow Spot (NSP), Medium Flood (MFL) and Wide Flood (WFL).
 - Tool free lens changing
 - Thermally insulated lens rotation ring outside of the luminaire

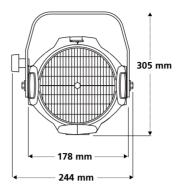
Optical • EA - Modified parabolic and multifaceted reflector

- Computer designed reflector facets moulded into heat sink casting, finished with an enhanced aluminium (EA) deposition process
- MCM Faceted borosilicate reflector with dichroic coating



Source Four[™] PAR EA and MCM





Source Four PAR EA and MCM Weights*

	Luminaire	Packed	Packed
	Weight kg	Weight kg	Dimensions mm
PAR EA & MCM	3.0	5.0	280 x 280 x 410

*Weights and dimensions approximate

Lamp code	Watts	Volts	Initial Lumens	Colour Temp.	Average Rated Life (hours)	I MF
HPL 750/230	750	230	19,400	3,200°	300	0.90
HPL 750/240	750	240	19,400	3,200°	300	0.90
HPL 575/230	575	230	14,900	3,200°	400	0.76
HPL 575/240	575	240	14,900	3,200°	400	0.76
HPL 575/230X	575	230	11,780	3,050°	1500	0.61
HPL 575/240X	575	240	11,780	3,050°	1500	0.64
HPL 375/230X	375	230	7,800	3,050°	1000	0.38
HPL 375/240X	375	240	7,800	3,050°	1000	0.38

Warning: Use of lamps other than HPL will void CE safety approval and product warranty. Source Four PAR EA is rated for 750W maximum. Source Four PAR MCM is rated for 575W maximum.

Note: For illumination with any lamp, multiply the candlepower of a beam spread by the Multiplying Factor (MF) shown for that lamp.

All photometric data in this document was prepared using standard production luminaires, and the Prometric™ measurement system. Luminaires were adjusted for cosine distribution, and were tested with calibrated HPL 750/230V 19,400 and HPL 750/240V 19,400 lumens lamps (EA) and HPL 575/230 14,900 and HPL 575/240 14,900 lumens lamps at their rated voltage. All data were normalised to nominal lamp lumens.

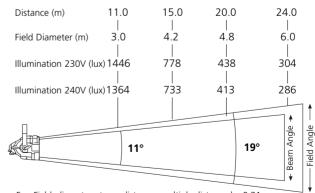
To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.

EA Very Narrow Spot (VNSP)						
Distance (m)	11.0	15.0	20.0		24.0	
Field Diameter (m)	3.0	4.2	4.8		6.0	
Illumination 230V (lu	 ix)1904	971	744		476	
Illumination 240V (lu	 x)2223	1196	673		467	
	11°			18°	 ▲ Beam Angle 	Field Angle —
For Field diameter at any distance, multiply distance by 0.32						

For Beam diameter at any distance, multiply distance by 0.19

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
750/230	282000	9,270	12.4	47.8
750/240	269,000	5,270	7.0	27.2

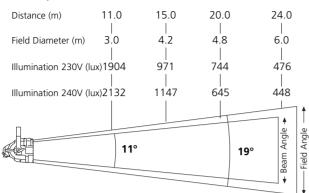
MCM Very Narrow Spot (VSNP)



For Field diameter at any distance, multiply distance by 0.31 For Beam diameter at any distance, multiply distance by 0.17

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
575/230	175,000	6,610	11.5	44.4
575/240	165,000	6,430	11.2	43.2

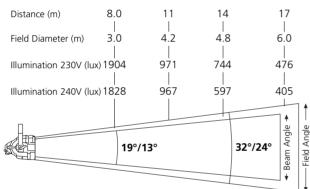
EA Narrow Spot (NSP)



For Field diameter at any distance, multiply distance by 0.33 For Beam diameter at any distance, multiply distance by 0.19

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
750/230	270,000	9,250	12.3	47.7
750/240	258,000	5,270	7.0	27.2

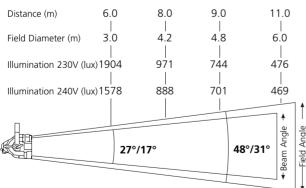
EA Medium Flood (MFL)



For Field diameter at any distance, multiply distance by 0.57/0.41 For Beam diameter at any distance, multiply distance by 0.33/0.23

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
750/230	127,000	9,370	12.5	48.3
750/240	117,000	5,270	7.0	27.2

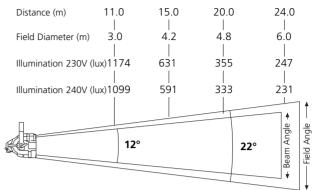
EA Wide Flood (WFL)



For Field diameter at any distance, multiply distance by 0.89/0.56 For Beam diameter at any distance, multiply distance by 0.47/0.30

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
750/230	59,100	8,520	11.4	43.9
750/240	56,800	5,270	7.0	27.2

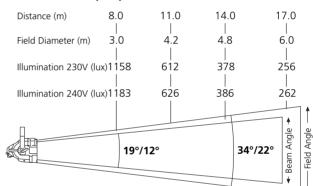
MCM Narrow Spot (NSP)



For Field diameter at any distance, multiply distance by 0.33 For Beam diameter at any distance, multiply distance by 0.17

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
575/230	142,000	6,450	11.2	43.3
575/240	133,000	6,450	11.2	43.3

MCM Medium Flood (MFL)



For Field diameter at any distance, multiply distance by 0.55/0.39 For Beam diameter at any distance, multiply distance by 0.41/0.21

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
575/230	74,100	5,390	9.4	36.2
575/240	75,700	5,910	10.3	39.7

MCM Wide Flood (WFL)

	330	2/1 7 °	52°	A Beam Angle
				↑
Illumination 240V (I	ux)914	 514	406	 272
Illumination 230V (I	 ux)986	 555	 438	 293
Field Diameter (m)	 3.0	 4.2	4.8	 6.0
Distance (m)	6.0	8.0	9.0	11.0

For Field diameter at any distance, multiply distance by 0.87/0.57 For Beam diameter at any distance, multiply distance by 0.48/0.30

W/V	Candlepower	Field Lumens	Efficacy LPW	Efficiency %
575/230	35,500	6,730	11.7	45.2
575/240	32,900	6,530	11.4	43.8

Ordering information

Source Four PAR EA 750W luminaire

Part No Description 7061A1206-0X Source Four PAR EA (Black)

7061A1206-1X Source Four PAR EA (White)

Source Four PAR MCM 575W luminaire

 Part No
 Description

 7061A1226-0X Source Four PAR MCM (Black)
 7061A1226-1X Source Four PAR MCM (White)

ETC Source Four PAR EA & MCM luminaires are supplied with 4 lens set: VNSP, NSP, MFL, WFL; colour frame and cable to bare ends as standard

Source Four PAR and MCM Accessories

Part No	Description
PSF1019	Barn door
7060A1022	Safety cable 800mm
7060A1020	Colour frame 190 x 190mm (included)
7061A4002	Very Narrow Spot lens
7061A4003	Narrow Spot lens
7061A4005	Medium Flood lens
7061A4006	Wide Flood lens
7061A1013	Set of four Source Four PAR lenses (VNSP, NSP, MFL, WFL)
PSF1027	Half hat 190 x 190 x 152mm
PSF1031	Concentric louvre 190 x 190 x 51mm
PSF1030	Colour extender short 190 x 190 x 76 mm
PSF1029	Colour extender long 190 x 190 x 152 mm
PSF1028	Honeycomb louvre 190 x190 x 13mm

Note: For colours other than black or white and for the full range of Source Four accessories available please contact ETC Europe or your local dealer





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7061L1003-GB - rev 8

Source Four™ products protected by U.S. Patent Numbers: 5,268,613 VcY 5,345,371# Japanese Patent Number: 2,501,772. US and International Patents Pending.