

**SPECIFICATIONS**

**High intensity discharge open reflector lighting fixture**

**PHYSICAL** Yoke mounted electronic ballast  
 Die-cast aluminium  
 Tool free access to the reflector and lens  
 High-impact, thermally insulated knobs  
 Sealed reflector housing  
 Reflector temperature control through integral heat sink fins  
 Gel frame holders with two accessory slots  
 Top-mounted, gel-frame retainer  
 Steel yoke with two mounting positions  
 Positive locking yoke clutch  
 CE compliant

**ELECTRICAL** 150W electronic ballast (yoke mounted)  
 <14 Amps inrush current  
 <10% Harmonic distortion  
 >95% Power Factor  
 90% Ballast Efficiency  
 230 V Ballast:  
 230V±10%, 50Hz  
 0.74 Amps operating current

**LAMP** 150W Ceramic metal halide  
 ETC Source Four HID is shipped with a 150W Philips MasterColor™ CDM  
 3000°K color temperature  
 12,000 hrs. lamp life  
 CRI-85  
 Optional 150W or 70W Philips MasterColor™ CDM  
 4,000°K color temperature lamp available

**LENSES** Four heat resistant, molded borosilicate glass lenses supplied with each unit: Very Narrow Spot (VNSP), Narrow Spot (NSP), Medium Flood (MFL) and Wide Flood (WFL).  
 Round beam for VNSP and NSP, oblong beam shape for MFL and WFL  
 Tool free lens changing  
 Thermally insulated lens ring

**OPTICAL** Modified parabolic and multifaceted reflector  
 Computer designed reflector facets molded directly into heat sink casting, finished with an enhanced aluminum deposition process, and polished for maximum reflectance

**ORDERING INFORMATION**

**Source Four HID PAR**

Part#	Description
7060A1235-0X	Source Four CE HID 150W PAR (Black)
7061A1246-0X	Source Four CE HID 70W PAR (Black)

Note: ETC Source Four HID PAR are supplied with Philips CDM master colour 150W or 70W ceramic metal halide lamp, colour frame and 1.8 meter leads w/o connector

Use suffixes below for other fixture colours available	
Suffix	Description
-1X	White
-5X	Silver Grey

**Source Four CE HID PAR Accessories**

Part#	Description
7061A3007	Colour frame, Black (included)
7061A3007-1	Colour frame, White (included)
7061A1042	XWide lens Kit
PSF1028	S4 PAR Honey Comb Louvre (Black)
PSF1031	Cross Baffle Top Hat, Black
PSF1031-1	Cross Baffle Top Hat, White
7061A1013	Set of four Source Four PAR lenses (VNSP, NSP, MFL, WFL)
PSF1035	Concentric Ring Top Hat, Black
PSF1035-1	Concentric Top hat, White
400PGE3	Gel extender, 3"
400PGE6	Gel extender, 6"
PSF1019	Barndoor, Black
PSF1019-1	Barndoor, White

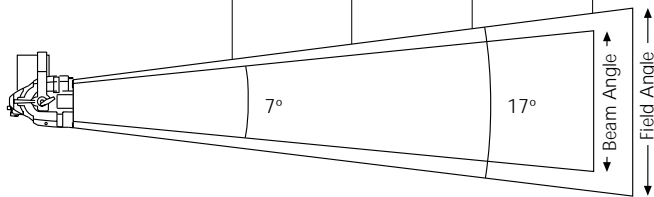
Note: For colours other than black, white or Silver Grey, please call ETC



**PHOTOMETRIC DATA**

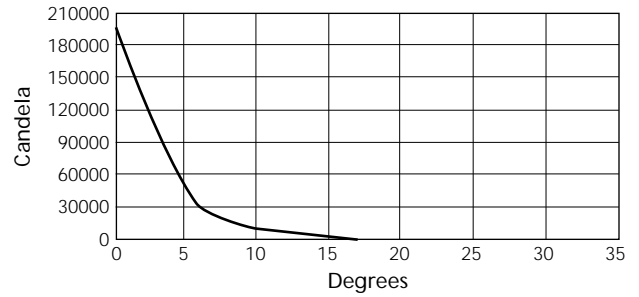
**Very Narrow Spot**

Distance (ft)	35	50	65	80
Field Diameter (ft)	10.7	15.3	19.9	24.5
Illumination (fc)	156	76	45	30



For Field diameter at any distance, multiply distance by .31  
 For Beam diameter at any distance, multiply distance by .13

**Candlepower Distribution Curve**

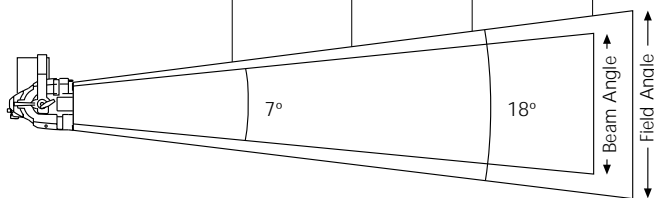


**HID PAR**

Degree	Candlepower	Field Lumens	Efficacy	Efficiency
VNSP	191,178	3829	25.5LPW	28%

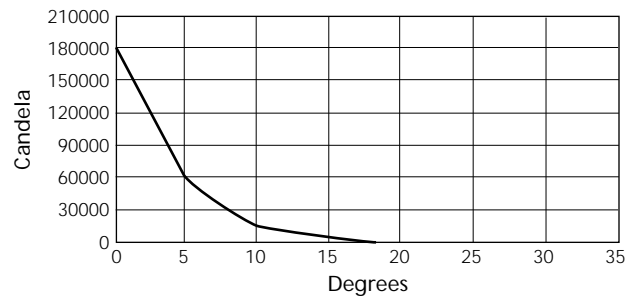
**Narrow Spot**

Distance (ft)	35	50	65	80
Field Diameter (ft)	11.3	16.2	21.1	25.9
Illumination (fc)	142	70	41	27



For Field diameter at any distance, multiply distance by .32  
 For Beam diameter at any distance, multiply distance by .13

**Candlepower Distribution Curve**



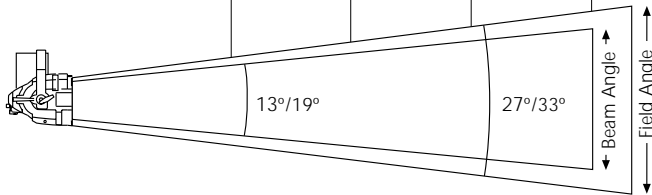
**HID PAR**

Degree	Candlepower	Field Lumens	Efficacy	Efficiency
NSP	174,320	3910	26.1LPW	29%

All photometric data in this document was prepared using standard production fixtures, and the Prometric™ CCD measurement system.  
 For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.  
 To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.  
 Metric Conversions: For Meters multiply feet by .3048  
 For Lux multiply footcandles by 10.76

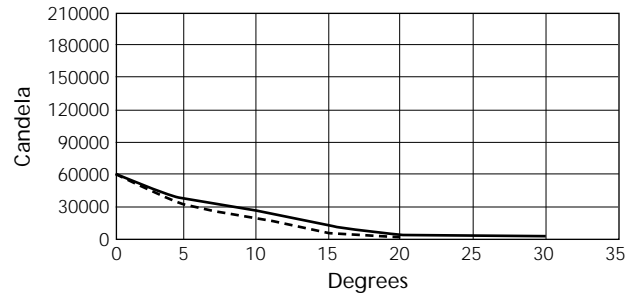
### Medium Flood

Distance (ft)	25	35	45	55
Field Diameter (ft)	8.5/14.8	11.9/20.7	15.4/26.7	18.8/32.7
Illumination (fc)	93	47	28	19



For Field diameter at any distance, multiply distance by .49/.59  
 For Beam diameter at any distance, multiply distance by .23/.34

### Candlepower Distribution Curve



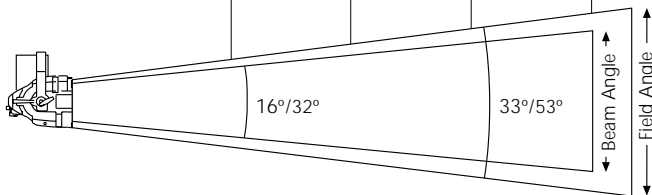
— X axis  
 - - - - Y axis

### HID PAR

Degree	Candlepower	Field Lumens	Efficacy	Efficiency
MFL	58,151	4601	30.7LPW	34%

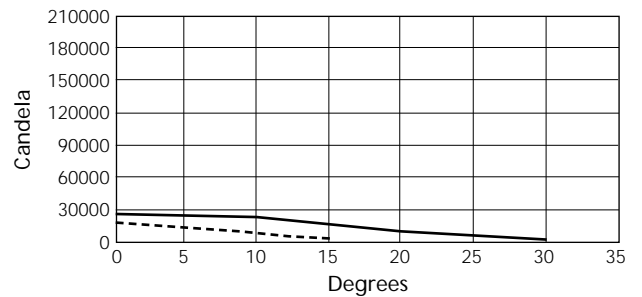
### Wide Flood

Distance (ft)	20	25	30	35
Field Diameter (ft)	11.9/19.1	14.9/23.9	17.8/28.6	20.1/33.4
Illumination (fc)	68	44	30	22



For Field diameter at any distance, multiply distance by .59/.95  
 For Beam diameter at any distance, multiply distance by .29/.58

### Candlepower Distribution Curve



— X axis  
 - - - - Y axis

### HID PAR

Degree	Candlepower	Field Lumens	Efficacy	Efficiency
WFL	27,288	4333	28.9LPW	32%

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

Metric Conversions: For Meters multiply feet by .3048  
 For Lux multiply footcandles by 10.76

**PHYSICAL**

Side view dimensions:  
 Height: 8" / 203mm  
 Depth: 5.75" / 15cm  
 Total width: 10.75" / 27cm

Front view dimensions:  
 Height: 8" / 203mm  
 Total height including ballast: 11.75in" / 298mm  
 Width of lens: 8.25" / 20.9cm  
 Total width including ballast: 10.25" / 26cm

**Ballast Dimensions**

Ballast dimensions:  
 Height: 6.0" / 17cm  
 Width: 2.1" / 5.3cm  
 Total width including ballast: 5.25" / 13cm

**WEIGHTS**

**Source Four HID PAR Weights**

Model	Weight		Shipping Weight	
	lbs	kgs	lbs	kgs
HID PAR	10.4	4.7	15.6	7.1

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