

SPECIFICATIONS

High intensity discharge open reflector lighting fixture

- PHYSICAL**
 - Yoke mounted electronic ballast
 - Die-cast aluminum
 - 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
 - UL and cUL LISTED
- ELECTRICAL**
 - 150W electronic ballast (yoke mounted)
 - <14 Amps inrush current
 - <10% Harmonic distortion
 - >95% Power Factor
 - 90% Ballast Efficiency
 - 120 V Ballast:
 - 120V±10%, 60Hz
 - 1.5 Amps operating current
 - 277 V Ballast:
 - 277V±10%, 60Hz
 - 0.61 Amps operating current
- LAMP**
 - 150W Ceramic metal halide
 - ETC Source Four HID is shipped with a 150W Philips MasterColor™ CDM
 - 3000°K color temperature
 - 9000 hrs. lamp life
 - CRI-85
 - Optional 150W 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

Model#	Description
PAR-EA	Source Four HID PAR Enhanced Aluminum (Black)
PAR-EA-1	Source Four HID PAR Enhanced Aluminum (White)

Note: ETC Source Four HID PAR are supplied with Philips CDM master color 150W ceramic metal halide lamp, color frame and 6' (1.8 meter) leads as standard

Connector Designation

Use suffixes below to specify factory-fitted connector type	
Suffix	Description
A	Parallel-blade U-ground connector (120V only)
B	Two-pin and ground, 20 amp connector (120V only)
C	Grounded, 20 amp, twistlock connector (120V only)
D	Twistlock NEMA L7-20P (277V only)

Source Four HID PAR Accessories

Model#	Description
407CF	Color frame (7.5") (included)
400SC	Safety Cable
400CC	C-clamp
400-VNSP	Very Narrow Spot lens
400-NSP	Narrow Spot lens
400-MFL	Medium Flood lens
400-WFL	Wide Flood lens
400-LS4	Set of four Source Four PAR lenses (VNSP, NSP, MFL, WFL)
400PTH3	Top hat, 3"
400PTH6	Top hat, 6"
400PHH	Half hat
400XBTH	Cross baffle top hat
400PGE3	Gel extender, 3"
400PGE6	Gel extender, 6"
400BD	Barn door
400L	Egg crate louver
400WB	Weighted base

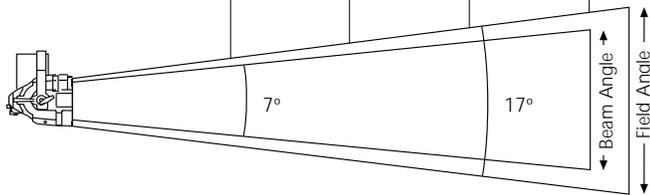
Note: For colors other than black or white, please call ETC



PHOTOMETRIC DATA

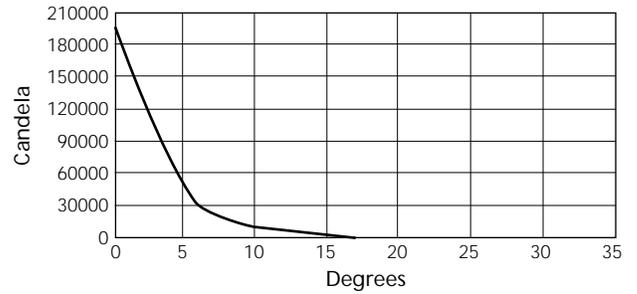
Very Narrow Spot

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

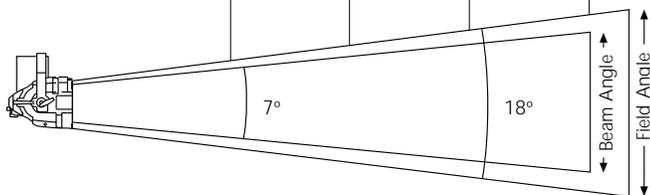


HID PAR

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

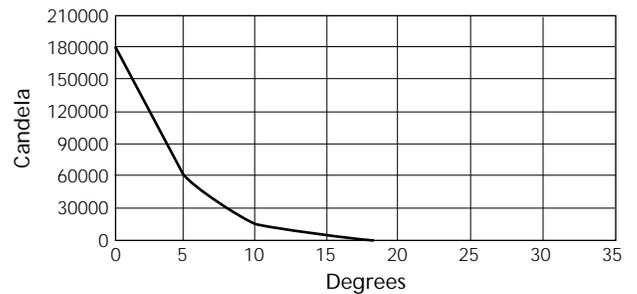
Narrow Spot

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



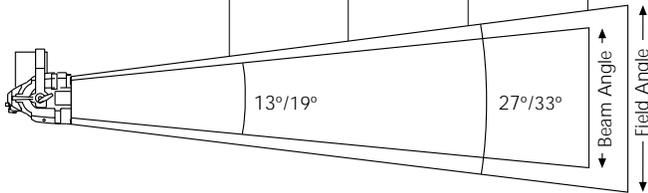
HID PAR

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

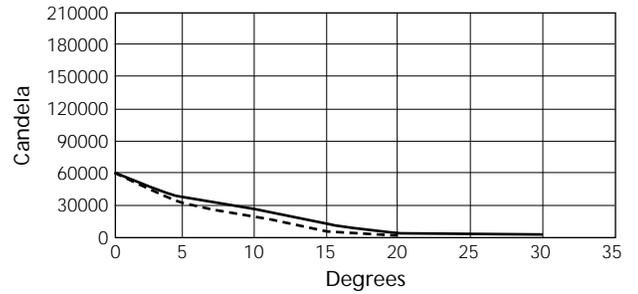
Medium Flood

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



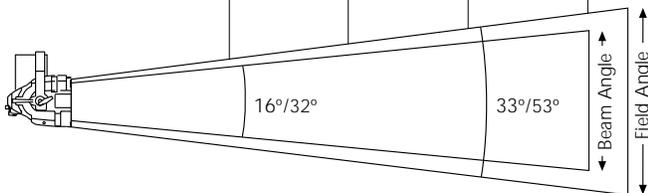
— X axis
 Y axis

HID PAR

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

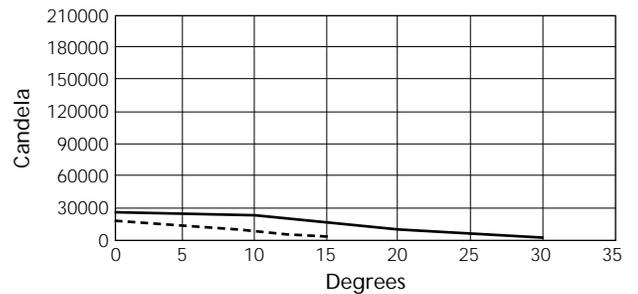
Wide Flood

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: 11.75in" / 298mm
 Width: 8.25" / 20.9cm
 Total width: 10.25" / 26cm

Ballast Dimensions

Ballast dimensions:
 Height: 6.0" / 17cm
 Width: 2.1" / 5.3cm
 Total width: 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

*Add 2.3 lbs for C-clamp

