



Type(s)

Project

Date

Notes

GENERAL INFORMATION

The Source 4WRD PAR and PARNel Fixture Bodies allow you to transform your Source 4WRD Color II LED Engine into a beautiful softlight. Taking advantage of the great energy efficiency, cool operating temperatures, and no lamp changes, the Source 4WRD Color II PAR and PARNel deliver an amazing output without compromise...or gel.

APPLICATIONS

- Houses of worship
- Universities and schools
- Hospitality
- Retail
- Exhibition centers
- Meeting rooms
- Clubs
- Cafetoriums

PRODUCT FEATURES

- Fixture bodies for use with Source 4WRD and Source 4WRD Color II Light Engines
- Works just like a Source Four PAR or PARNel, using the same accessories
- 146 W at full output
- RGBA LED color array
- Uses same Source 4WRD Color II LED retrofit as the Source 4WRD Color II ellipsoidal

ORDERING INFORMATION

Source 4WRD Color II PAR and PARNel Fixture Bodies

MODEL	DESCRIPTION	PART NUMBER	
S4WRDPAR	S4WRD PAR Fixture Body, Black	7067A1109	
S4WRD PARNel	S4WRD PARNel Fixture Body, Black	7067A1110	

Color Options: Fixture body ships standard in black. For additional colors please add -1 for white or -5 for silver.

Notes: Source 4WRD Color II LED and C-clamp sold separately.

INCLUDED WITH SOURCE 4WRD PAR AND PARNEL FIXTURE BODIES

- Color frame
- Lenses:
 - PAR ships with AR coated flat lens (other lenses sold separately)
 - PARNel ships with PARNel lenses
- Diffusion (for use with Source 4WRD Color II)



PRODUCT SPECIFICATIONS

Source

LED details	Nichia LEDs *Not Included*
Max lumens	5,818 (PAR), 5,463 (PARNel) w/ S4WRD Color II
Lumens per watt	41 (PAR), 38 (PARNel)
L70 rating (hours to 70% output)	>60,000 hours*
Notes	S4WRD LED sold separately

*L70 value based on manufacturer's anticipated results

Color

Colors used	RGB-A (Red, Green, Blue and Amber)
Color temperature range	2,200–6,500 K
Calibrated array	Yes
Red shift	No

Optical

Beam angle range	PAR: 17–41° PARNel: 16–27°
Gate size	N/A
Aperture size	7 in
Pattern projection	No
Pattern size	N/A
Camera flicker control/Hz range	Yes, 1.2 kHz and 20 kHz
Notes	PAR ships with an AR coated flat lens. Additional PAR lenses sold separately. PARNel ships with PARNel lenses.

Control

Input method	DMX Control
Protocols	DMX/RDM via RJ45
Modes (Footprint)	1 (1=Intensity, 2=Red, 3=Green, 4=Blue, 5=Amber, 6=Strobe)
RDM configuration	Yes
UI type	7-segment address display, local level control via UI
Local control	Yes
Onboard presets	Yes, 12
Onboard sequences	Yes, 5
Onboard effects	No
FixtureLink support	Yes

Electrical

Voltage range	100–240 V (50–60 Hz)
Input method	Hardwired, 1 m cord, bare end or various connector options (120 V) Hardwired, 1 m cord, bare end (230 V)
Inrush	32 A (first half-cycle) at 120 V 60 A (first half-cycle) at 240 V
Fixtures per circuit*	120 V: 10 (20 A switched circuit, R20 module or similar) 230 V: 10 fixtures per non-dimmed circuit (ER15AFR module)
Wattage (Typical/Standby)	146 W/3.0 W (120 V) 143 W/2.9 W (230 V)
Current draw	1.25 A at 120 V 0.67 A at 230 V

*All measurements are for 120 V, 60 Hz. Results may vary in different regions.

Thermal

Ambient operating temp	5°–40° C (41°–104° F)
Fan (controllable)	Yes (no)
Droop compensation	No
dB range	27 dBA (average at 1 m)
BTUs/hour	458 (120 V) 449 (230 V)

Physical

Materials	Die-cast aluminum
Color options	Black, white, silver or custom color
Mounting options	Yoke
IP rating	IP-20
Weight	PAR: 2.83 kg (6.25 lb) PARNel: 3.49 kg (7.7 lb)
Included accessories	Color frame
Notes	Includes S4WRD mounting post. Required S4WRD Color II LED available separately.

Regulatory and Compliance

Approved regulatory standards	UL 1573 (complete luminaire) UL 1598C (retrofit kit) CSA C22.2 No. 166 (complete luminaire) CSA TIL B79-A (retrofit kit) CE Compliant UKCA Compliant
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PRODUCT FEATURES

**LEND COLOR TO ANY SPACE**

Millions of colors, from bold, saturated looks to pastel washes, all with soft edges.

**USES YOUR EXISTING ACCESSORIES**

Works just like a Source Four PAR and PARNel.

**INTERCHANGEABLE WITH S4 PROFILES**

You can interchange your Source 4WRD LED sources between your S4 profile fixtures and your Source 4WRD PAR and PARNel fixture bodies.

ADDITIONAL ORDERING INFORMATION

Accessories

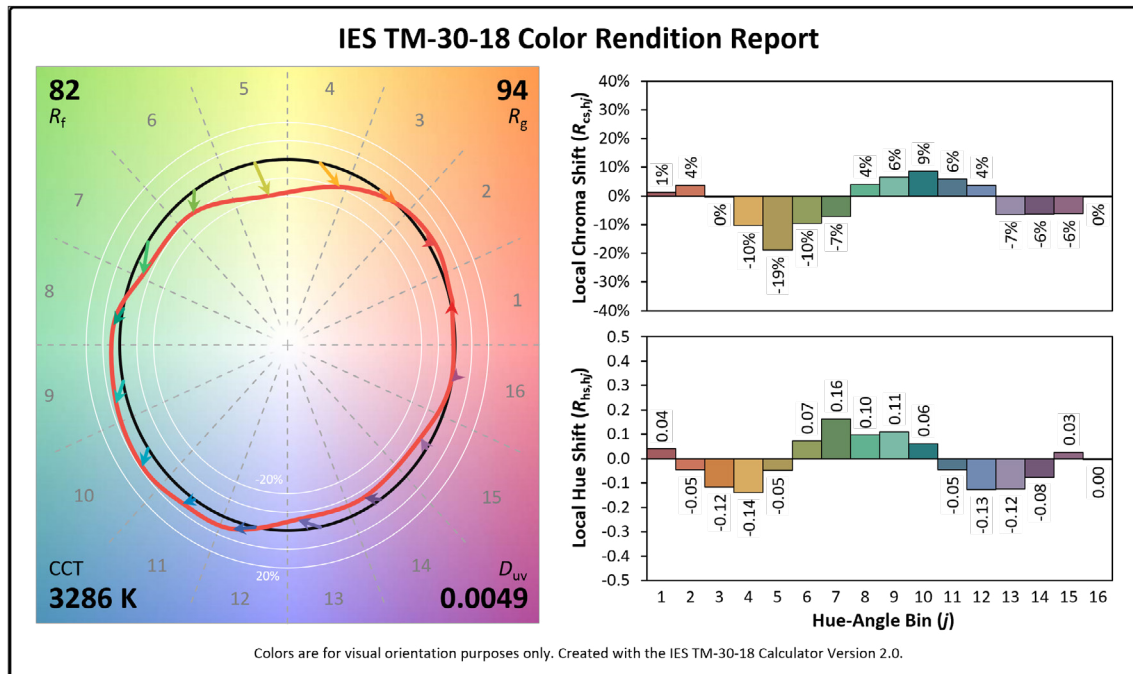
MODEL	DESCRIPTION
S4WRDC	Source 4WRD Color II (UL), black
407CF	Color frame (190.5 mm / 7.5 in) (included)
400SC	Safety cable
400CC	C-clamp
400-VNSP	Very Narrow Spot lens
400-NSP	Narrow Spot lens
400-MFL	Medium Flood lens
400-WFL	Wide Flood lens
400-LS4	Set of four Source Four PAR lenses (VNSP, NSP, MFL, WFL)
400-XWFL	Extra Wide Flood lens
400PTH3	Top hat (76 mm / 3 in)
400PTH6	Top hat (152 mm / 6 in)
400PHH	Half hat
400XBTH	Cross baffle top hat
400BD	Barn door
400L	Egg crate louver
400WB	Weighted base

NOTES ABOUT LED LUMINAIRES

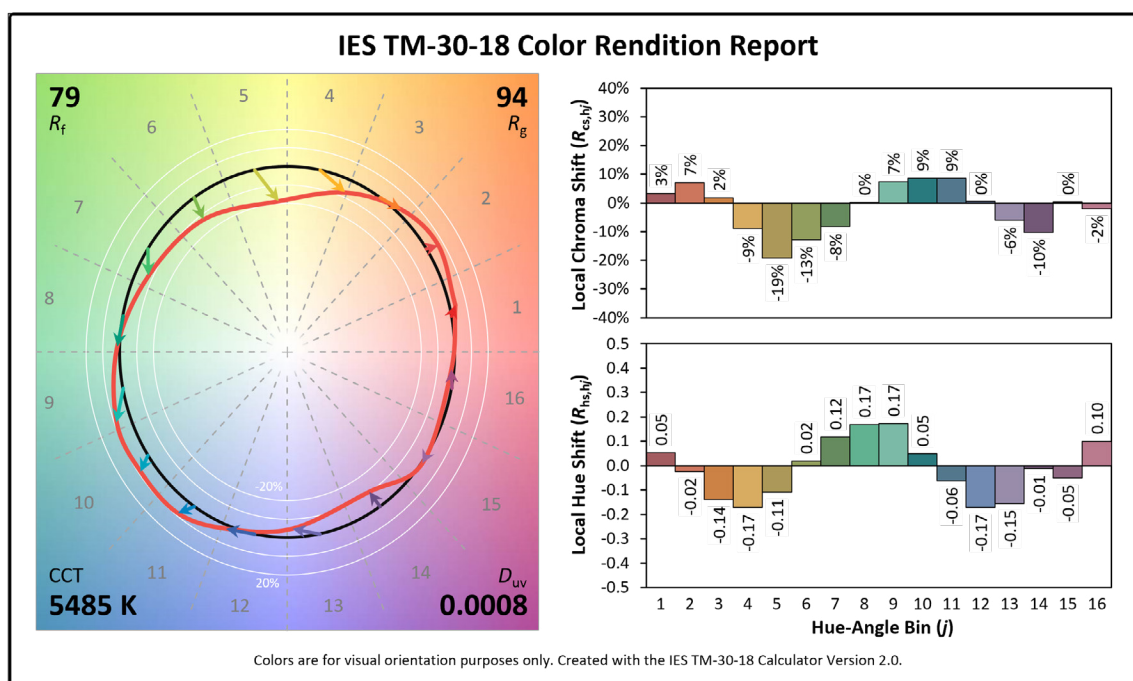
All LED sources experience some lessening of light output and some color shift over time. LED output will vary with thermal conditions. Thermal conditions can be affected by ambient temperatures and orientation. Based on the LED manufacturer's B50 L70 specification, a Source 4WRD luminaire will achieve ~70% of its initial output after 60,000+ hours of typical usage. In individual situations, LEDs will be used for different durations and at different levels. This can eventually lead to minor alterations in color performance, necessitating slight adjustments to presets, cues or programs.

COLOR METRIC INFORMATION

SOURCE 4WRD COLOR II PAR 3200 K

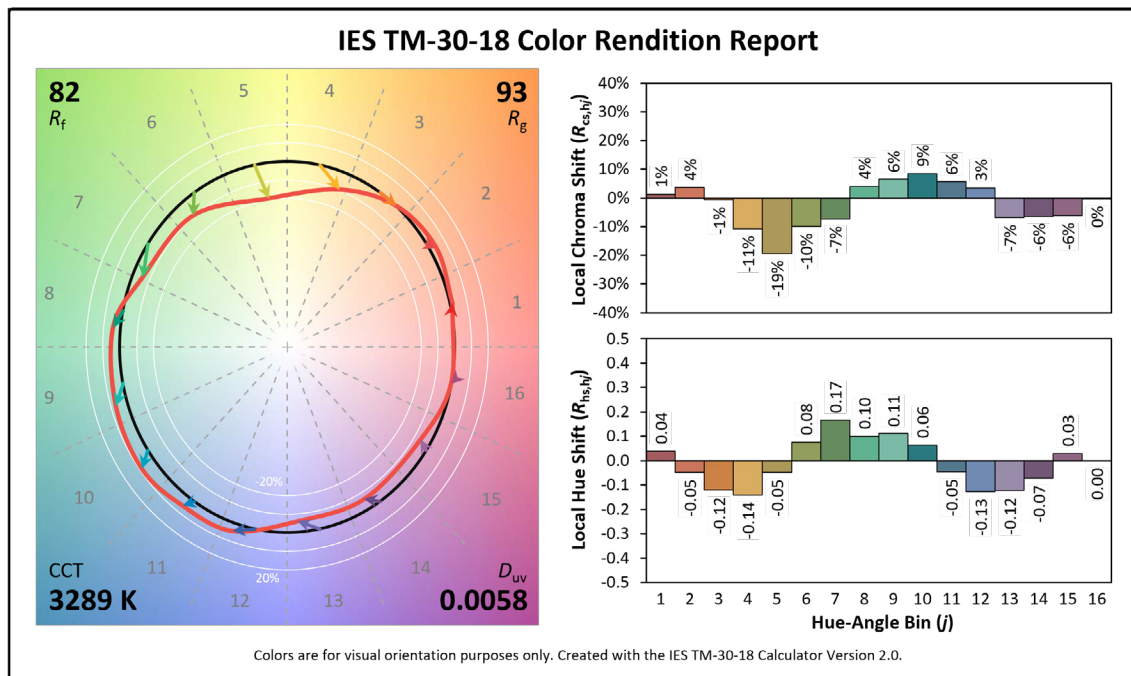


SOURCE 4WRD COLOR II PAR 5600 K

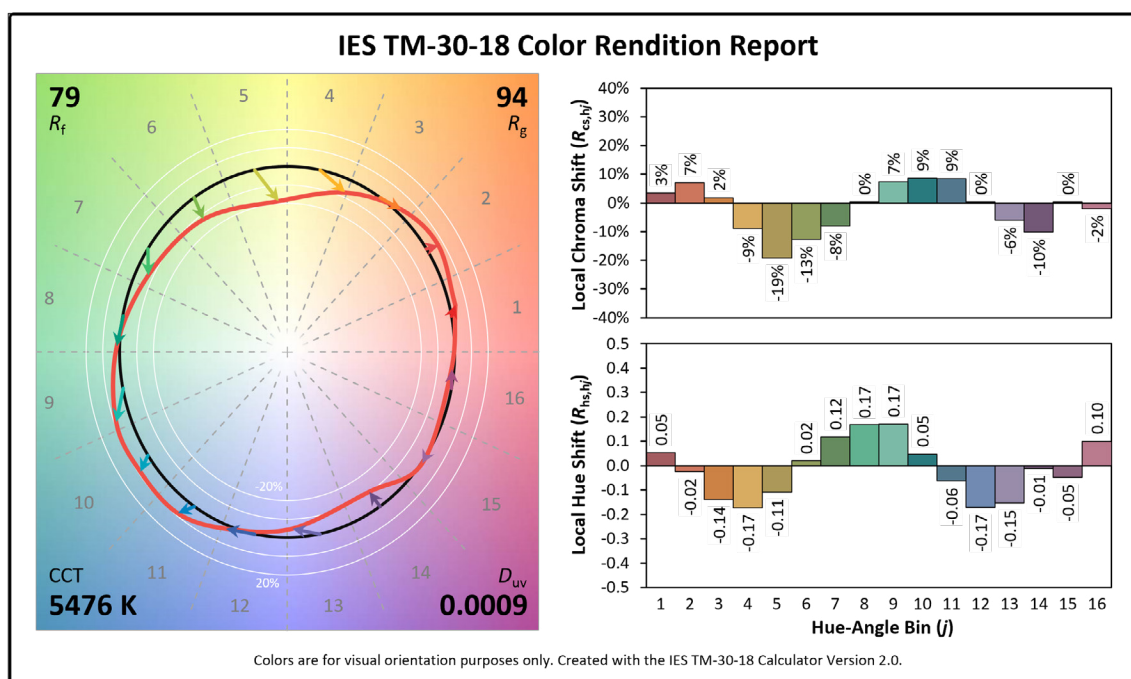


COLOR METRIC INFORMATION

SOURCE 4WRD COLOR II PARNel 3200 K



SOURCE 4WRD COLOR II PARNel 5600 K

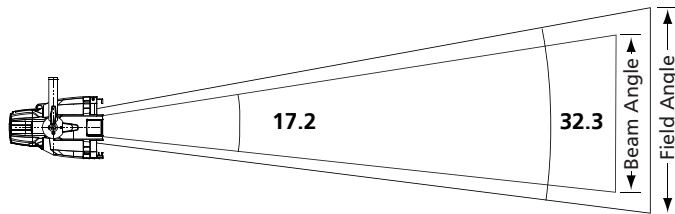


PHOTOMETRY INFORMATION

Source 4WRD Color II PAR with AR Coated Flat Lens

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	32.3	56,093	5,011	2,380	109 W	46
5600 K	32.3	61,472	5,494	2,592	124 W	44.3
Full on	32.3	65,007	5,818	2,742	143 W	40.7

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	255.0 ft 77.7 m
Field Diameter	5.8 ft 1.8 m	8.7 ft 2.6 m	11.6 ft 3.5 m	14.5 ft 4.4 m	—
Illuminance (fc)	650	289	163	104	1
Illuminance (lux)	6,997	3,110	1,749	1,120	10.76

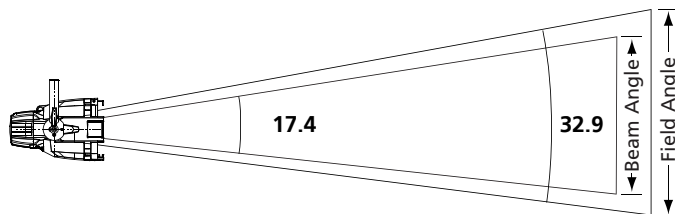
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.579.
For beam diameter at any distance, multiply by 0.303.

Source 4WRD Color II PAR with VN5P Lens

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	32.9	51,176	4,706	2,533	109 W	36.0
5600 K	32.9	55,975	5,147	2,394	124 W	41.5
Full on	32.9	59,228	5,446	2,533	143 W	38.1

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.

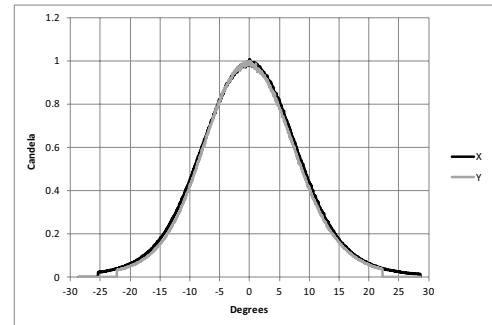
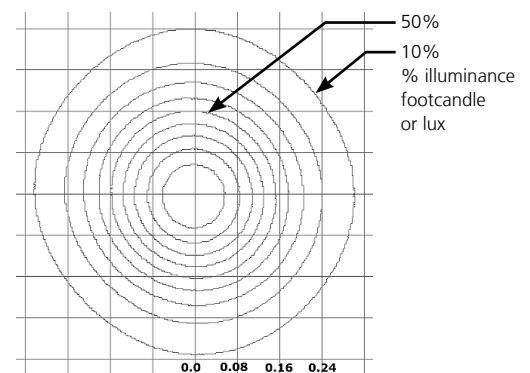


Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	243.4 ft 74.2 m
Field Diameter	5.9 ft 1.8 m	8.8 ft 2.7 m	11.8 ft 3.6 m	14.7 ft 4.5 m	—
Illuminance (fc)	592	263	148	95	1
Illuminance (lux)	6,375	2,833	1,594	1,020	10.76

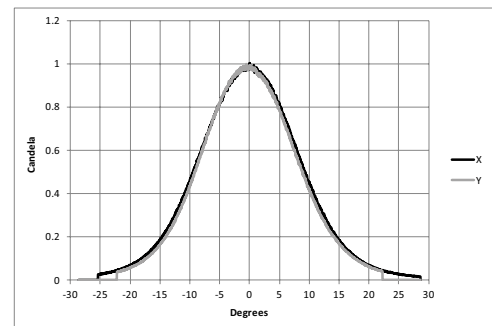
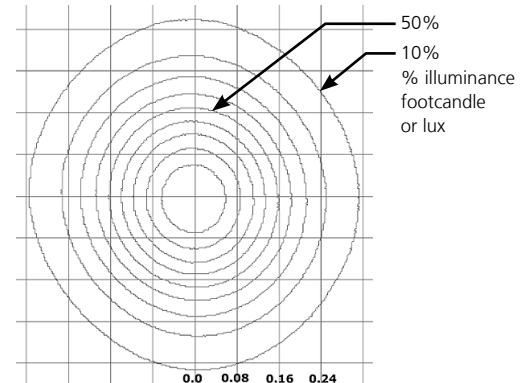
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.590.
For beam diameter at any distance, multiply by 0.307.

Candela Plot

Iso-Illuminance Diagram
(Flat Surface Distribution)

Candela Plot

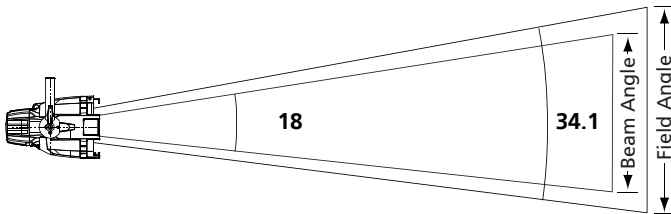
Iso-Illuminance Diagram
(Flat Surface Distribution)

PHOTOMETRY INFORMATION

Source 4WRD Color II PAR with NSP Lens

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	34.1	47,810	4,689	2,167	109 W	43.0
5600 K	34.1	52,294	5,129	2,370	124 W	41.4
Full on	34.1	55,333	5,427	2,508	143 W	38.0

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	235.2 ft 71.7 m
Field Diameter	6.1 ft 1.9 m	9.2 ft 2.8 m	12.2 ft 3.7 m	15.3 ft 4.7 m	-
Illuminance (fc)	553	246	138	89	1
Illuminance (lux)	5,956	2,647	1,489	953	10.76

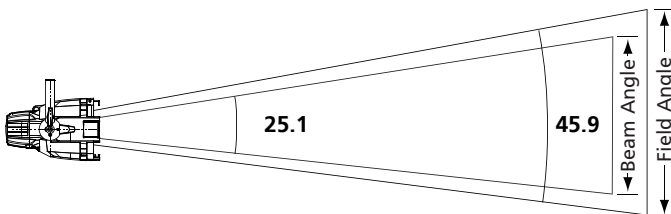
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.612.
For beam diameter at any distance, multiply by 0.317.

Source 4WRD Color II PAR with MFL Lens

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	45.9	31,673	4,726	2,135	109 W	43.4
5600 K	45.9	34,643	5,170	2,335	124 W	41.7
Full on	45.9	36,656	5,470	2,471	143 W	38.3

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.

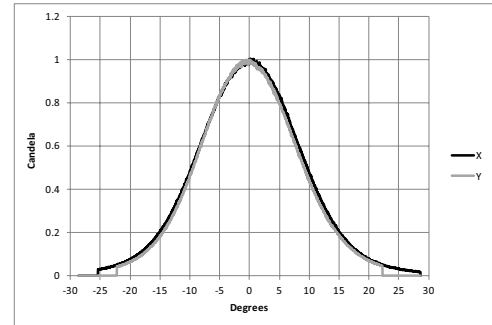
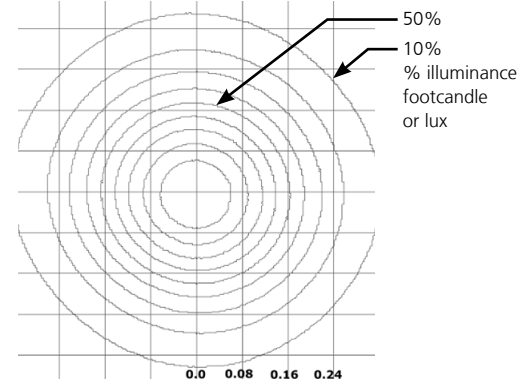


Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	191.5 ft 58.4 m
Field Diameter	8.5 ft 2.6 m	12.7 ft 3.9 m	16.9 ft 5.2 m	21.2 ft 6.5 m	-
Illuminance (fc)	367	163	92	59	1
Illuminance (lux)	3,946	1,754	986	631	10.76

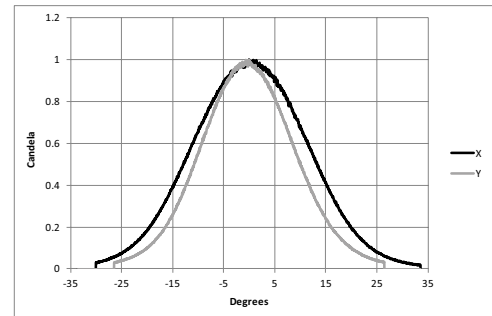
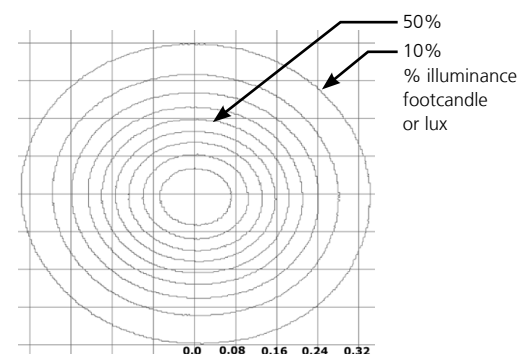
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.847.
For beam diameter at any distance, multiply by 0.446.

Candela Plot

Iso-Illuminance Diagram
(Flat Surface Distribution)

Candela Plot

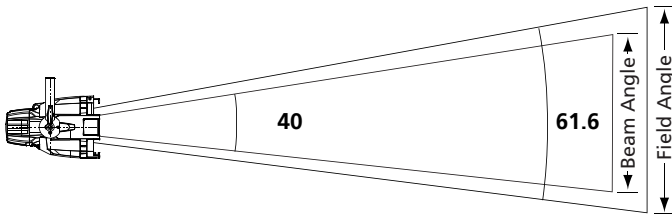
Iso-Illuminance Diagram
(Flat Surface Distribution)

PHOTOMETRY INFORMATION

Source 4WRD Color II PAR with WFL Lens

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	61.6	15,606	4,891	2,670	109 W	44.9
5600 K	61.6	17,070	5,350	2,920	124 W	43.1
Full on	61.6	18,062	5,661	3,090	143 W	39.6

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	134.4 ft 41 m
Field Diameter	11.9 ft 3.6 m	17.9 ft 5.5 m	23.8 ft 7.3 m	29.8 ft 9.1 m	—
Illuminance (fc)	181	80	45	29	1
Illuminance (lux)	1,944	864	486	311	10.76

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

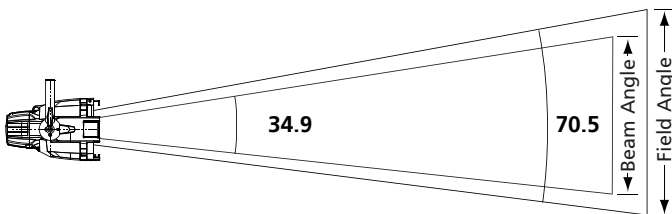
For field diameter at any distance, multiply distance by 1.192.

For beam diameter at any distance, multiply by 0.728.

Source 4WRD Color II PAR with XWFL Lens

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	70.5	8,740	3,213	1,249	109 W	29.5
5600 K	70.5	9,559	3,515	1,366	124 W	28.3
Full on	70.5	10,115	3,719	1,445	143 W	26.0

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.



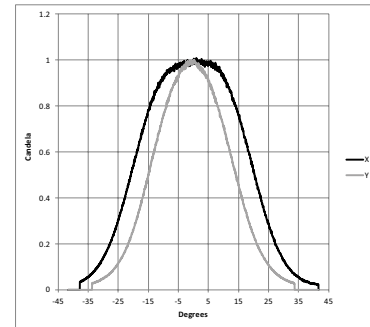
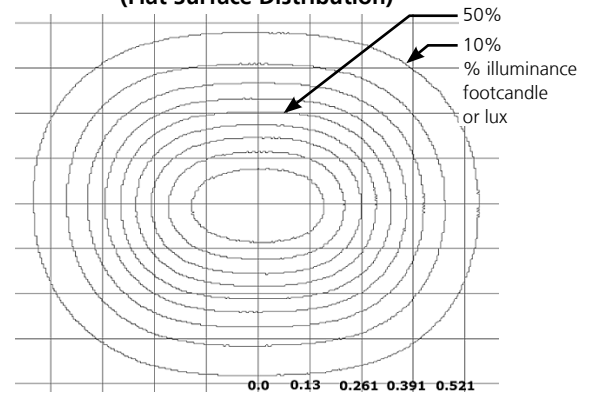
Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	100.6 ft 30.7 m
Field Diameter	14.1 ft 4.3 m	21.2 ft 6.5 m	28.3 ft 8.6 m	35.3 ft 10.8 m	—
Illuminance (fc)	101	45	25	16	1
Illuminance (lux)	1,089	484	272	174	10.76

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

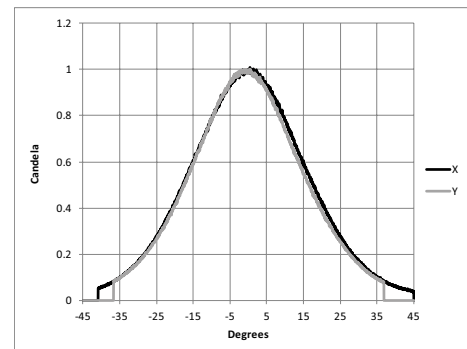
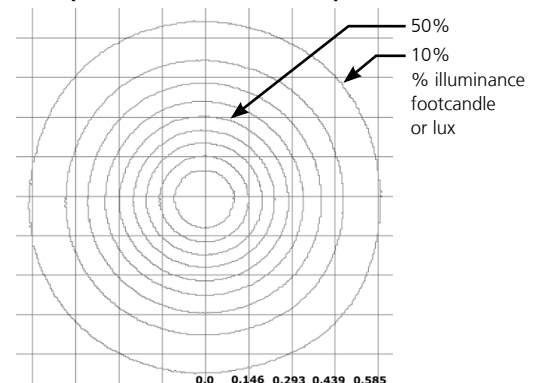
For field diameter at any distance, multiply distance by 1.413.

For beam diameter at any distance, multiply by 0.628.

Candela Plot

Iso-Illuminance Diagram
(Flat Surface Distribution)

Candela Plot

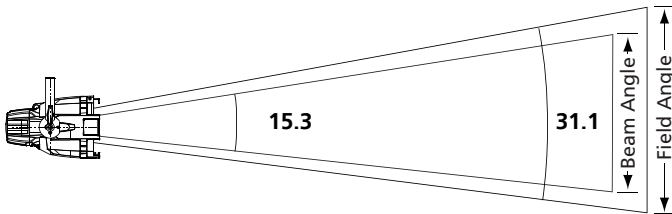
Iso-Illuminance Diagram
(Flat Surface Distribution)

PHOTOMETRY INFORMATION

Source 4WRD Color II PARNel Spot

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	31.1	55,095	4,194	1,769	109 W	38.5
5600 K	31.1	60,816	4,631	1,991	124 W	37.3
Full on	31.1	64,441	4,920	2,082	143 W	34.4

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.



Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	253.9 ft 77.4 m
Field Diameter	5.6 ft 1.7 m	8.3 ft 2.5 m	11.1 ft 3.4 m	13.9 ft 4.2 m	—
Illuminance (fc)	644	286	161	103	1
Illuminance (lux)	6,936	3,083	1,734	1,110	10.76

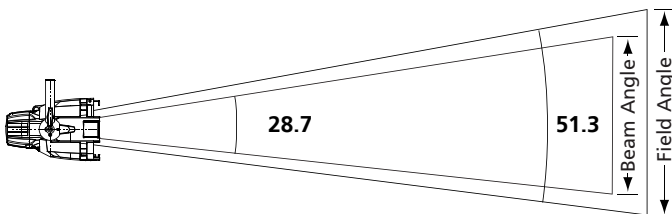
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.556.
For beam diameter at any distance, multiply by 0.269.

Source 4WRD Color II PARNel Flood

Model	Degree	Candela	Field Lumens	Beam Lumens	Power Consumption	Lumens Per Watt
3200 K	51.3	19,977	4,665	2,227	109 W	42.8
5600 K	51.3	22,276	5,210	2,490	124 W	42.0
Full on	51.3	23,379	5,463	2,609	143 W	38.2

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.

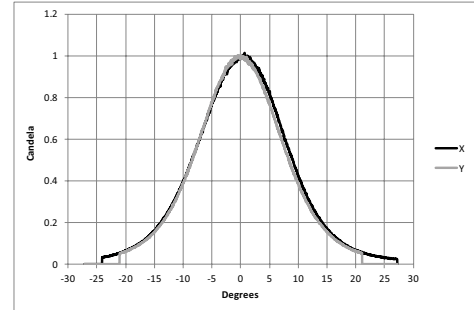
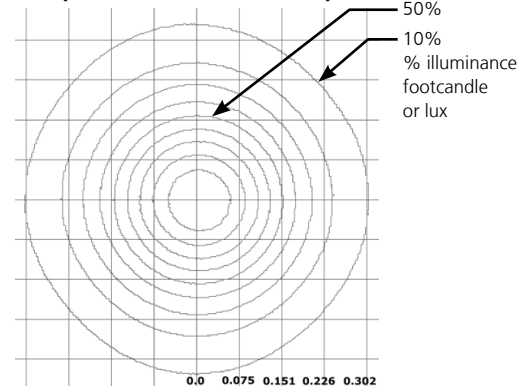


Throw Distance (d)	10 ft 3.0 m	15 ft 4.6 m	20 ft 6.1 m	25 ft 7.6 m	152.9 ft 46.6 m
Field Diameter	9.6 ft 2.9 m	14.4 ft 4.4 m	19.2 ft 5.8 m	24.0 ft 7.3 m	—
Illuminance (fc)	234	104	58	37	1
Illuminance (lux)	2,516	1,118	629	403	10.76

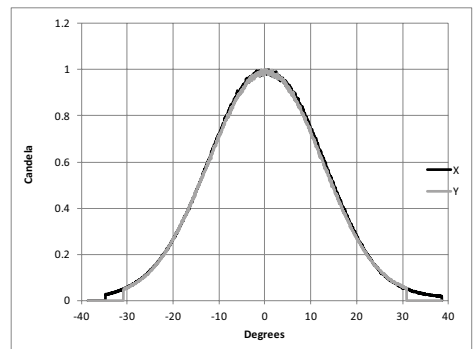
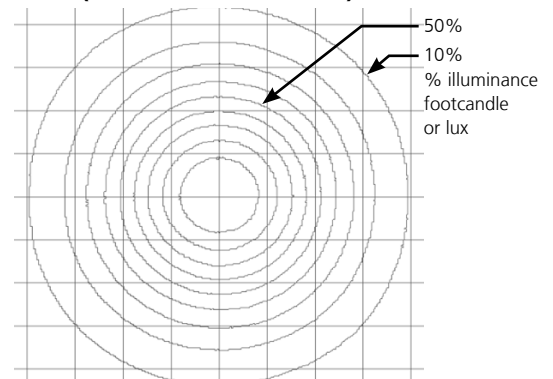
To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

For field diameter at any distance, multiply distance by 0.959.
For beam diameter at any distance, multiply by 0.511.

Candela Plot

Iso-Illuminance Diagram
(Flat Surface Distribution)

Candela Plot

Iso-Illuminance Diagram
(Flat Surface Distribution)

PHYSICAL

Source 4WRD PAR/PARNeI Dimensions

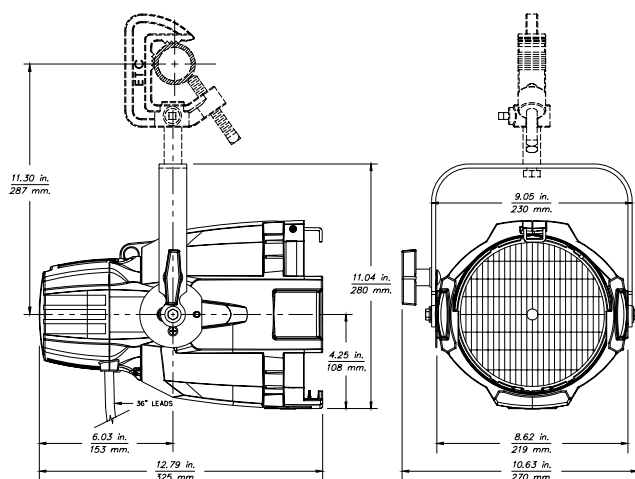
MODEL	HEIGHT		WIDTH		DEPTH	
	mm	in	mm	in	mm	in
4WRD PAR	280	11.04	270	10.63	325	12.79
4WRD PARNeI	296	11.68	270	10.63	325	12.79

Source 4WRD PAR/PARNeI Weights

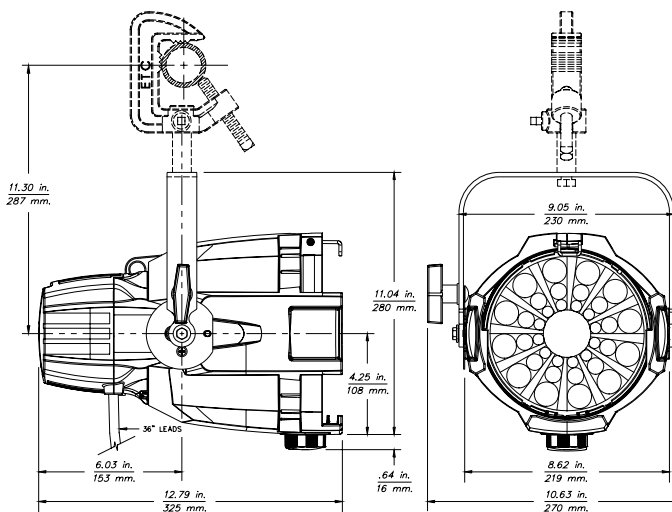
MODEL	WEIGHT*		SHIPPING WEIGHT		WEIGHT WITH S4WRD COLOR II*	
	kg	lb	kg	lb	kg	lb
4WRD PAR	2.83	6.25	3.72	8.20	4.51	9.95
4WRD PARNeI	3.49	7.70	4.34	9.65	5.17	11.40

*Without mounting hardware

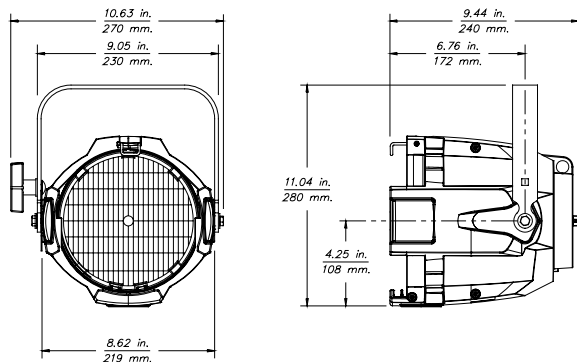
SOURCE 4WRD PAR (WITH SOURCE 4WRD COLOR II)



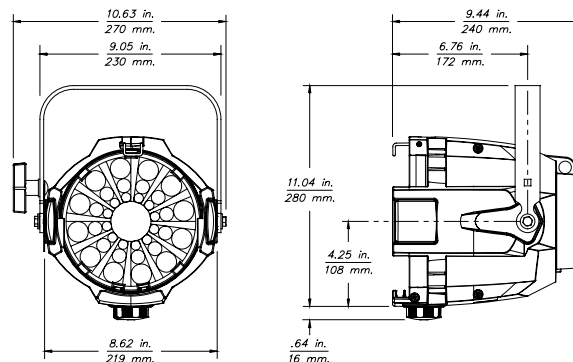
SOURCE 4WRD PARNEL (WITH SOURCE 4WRD COLOR II)



SOURCE 4WRD PAR (BODY ONLY)



SOURCE 4WRD PARNEL (BODY ONLY)



Corporate Headquarters • Middleton, WI USA

Global Offices • London, UK • Rome, IT • Holzkirchen, DE • Paris, FR • Hong Kong

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