

46CR SERIES

900 - 3500 LUMEN PAR46 STYLE LED

MANUFACTURED IN THE UNITED STATES - IBEW



PRODUCT LISTED
BY A NATIONALLY
RECOGNIZED
TESTING
LABORATORY



The 46CR emphasizes efficiency and economy and boasts the highest lumens per watt rating of any Times Square Lighting fixture to date. It is designed for a short to medium throw applications. The 46CR can be fitted with up to three accessories, including barn doors, louvers and filters. This versatile fixture is available with a wide variety of mounting and dimming options, allowing for a huge range of customization possibilities.

The 46CR is available in standard black, white, or silver finishes. Custom colors are available upon request.

CONSTRUCTION

- Aluminum housing with black, chrome, white or silver finish
- Accepts up to 3 accessories
- Weight: 3.9 lbs.

LED SPECIFICATIONS

- Cree XLamp LED array
- Color Temperature Options: 2700K, 3000K, 3500K, 4000K, 5000K, 5700K, 6500K
- CRI: 80 standard or 92 optional
- Lumen Maintenance: 90% of initial lumen output at 33,000 hours on LM-80 testing
- No UV or IR

MODEL	CRI	TOTAL WATTAGE *	LUMENS	EFFICACY (LM/W)
46CR9	80 / 92	5.6 / 7.4	900 / 900	161 / 141
46CR12	80 / 92	7.7 / 9.0	1200 / 1200	156 / 133
46CR15	80 / 92	9.7 / 11.4	1500 / 1500	155 / 132
46CR18	80 / 92	11.4 / 15.0	1800 / 1800	158 / 120
46CR20	80 / 92	13.3 / 15.8	2000 / 2000	150 / 127
46CR25	80 / 92	18.0 / 23.4	2500 / 2500	139 / 107
46CR30	80 / 92	23.4 / 30	3000 / 3000	128 / 100
46CR35	80	30.0	3500	117

* Total wattage equals LED plus driver. Delivered lumen may vary depending on LED module, color temperature, optics, and accessories. Testing done with 3000K LED array.

ELECTRICAL

- Integral electronic driver
- 100-277V, 50/60Hz
- Meets FCC 47 CFR Part 15/18 Requirements

DIMMING

- Trailing edge (ELV): 120V / 277V
- Leading edge (Triac): 120V only
- 0-10V: 120V only (DataTrack), 120-277V otherwise
- IP (Integral Pot) dimming available.

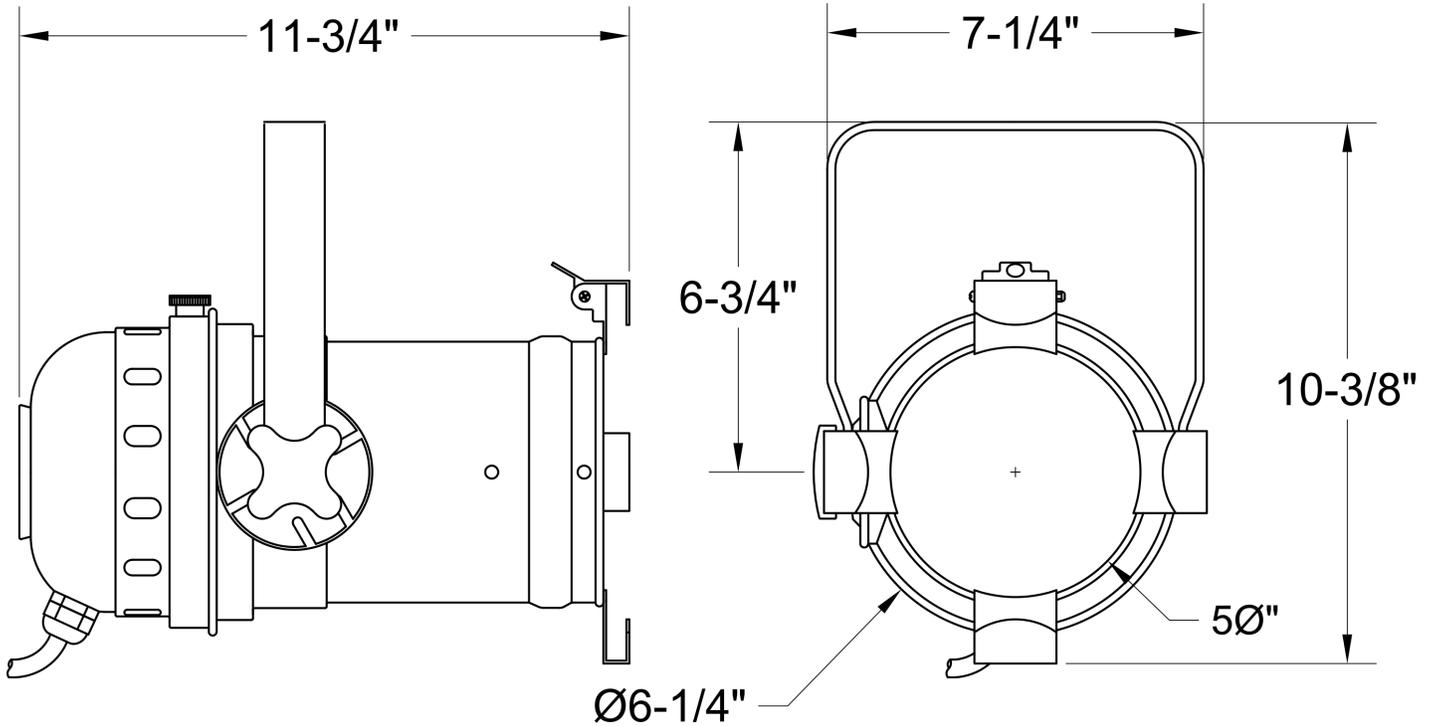
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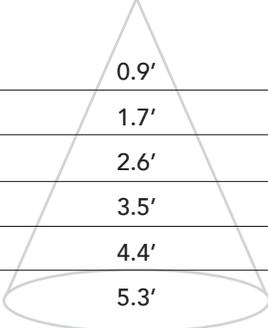


OPTICS | 10°, 20°, 40°, and 60° Field-Changeable Reflectors

CBCP:	46CR9	46CR12	46CR15	46CR18	46CR20	46CR25	46CR30	46CR35
10°	6500	8900	11500	12600	14000	18000	23000	29000
20°	3100	4250	5500	6030	6700	8600	11000	13900
40°	1850	2500	3250	3600	4000	5100	6500	7100
60°	980	1350	1750	2100	2425	3200	3700	4150

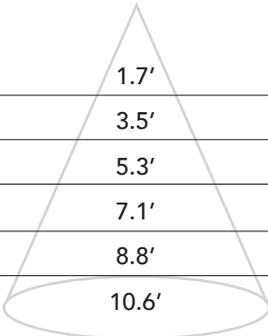
Testing done at 3000K, 80 CRI.

Distance **10° Spot Reflector** Footcandles
Beam Spread



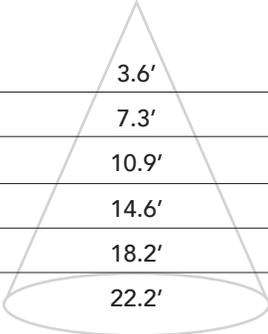
Distance	Beam Spread	46CR9	46CR12	46R15	46CR18	CR20	46CR25	46CR30	46CR35
5'	0.9'	260	356	460	504	560	720	920	1160
10'	1.7'	65	89	115	126	140	180	230	290
15'	2.6'	29	40	51	56	62	80	102	129
20'	3.5'	16	22	29	32	35	45	58	73
25'	4.4'	10	14	18	20	22	29	37	46
30'	5.3'	7	10	13	14	16	20	26	32

Distance **20° Spot Reflector** Footcandles
Beam Spread



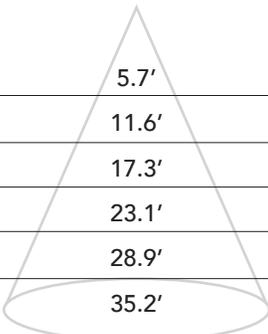
Distance	Beam Spread	46CR9	46CR12	46CR15	46CR18	46CR20	46CR25	46CR30	46CR35
5'	1.7'	126	170	220	241	268	344	440	556
10'	3.5'	31	43	55	60	67	86	110	139
15'	5.3'	14	19	24	27	30	38	49	62
20'	7.1'	8	11	14	15	17	22	28	35
25'	8.8'	5	7	9	10	11	14	18	22
30'	10.6'	-	6	6	7	7	10	12	15

Distance **40° Medium Reflector** Footcandles
Beam Spread



Distance	Beam Spread	46CR9	46CR12	46CR15	46CR18	46CR20	46CR25	46CR30	46CR35
5'	3.6'	74	100	130	144	160	204	260	284
10'	7.3'	19	25	33	36	40	51	65	71
15'	10.9'	8	11	15	16	18	23	29	32
20'	14.6'	5	6	8	9	10	13	16	18
25'	18.2'	-	-	5	6	6	8	10	11
30'	22.2'	-	-	-	-	-	6	7	8

Distance **60° Flood Reflector** Footcandles
Beam Spread



Distance	Beam Spread	46CR9	46CR12	46CR15	46CR18	46CR20	46CR25	46CR30	46CR35
5'	5.7'	39	54	70	85	97	128	148	166
10'	11.6'	10	14	18	21	24	32	37	42
15'	17.3'	5	6	8	9	11	14	16	18
20'	23.1'	-	5	5	5	6	8	9	10
25'	28.9'	-	-	-	-	5	5	6	7
30'	35.2'	-	-	-	-	-	-	-	5

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MOUNTING OPTIONS

DT2 2-circuit track adapter for SpecTrac databus. 120V.

HDT2 Track adapter for SpecTrac 2-Circuit data track. 277V.

LP2 Low profile 2-circuit track adapter for SpecTrac databus. 120V.

T1 Track Adapter for commercial grade 1 circuit track. 120V. For use with larger, heavier fixtures.

TA2 Track adapter for G-Series specification grade 2-circuit track. 120V.

HTA2 Track adapter for G-Series specification grade 2-circuit track. 277V.

TA3 Track adapter for G-Series specification grade 3-circuit track. 120V.

CM4 Canopy Mount

US1 6-5/8" x 1-1/2" Unitrut Adapter

TB8 8" x 8" Portable table base for floor and table use

MN Medium duty pipe clamp for small to large fixtures. For pipes up to 2" O.D.

PC9C Heavy duty pipe clamp for large, heavy fixtures. For pipes up to 2" O.D.

EXTENSION WARDS

SP12	12" Stem
SP18	18" Stem
SP24	24" Stem
SP X	Custom Length

ACCESSORIES

LV44	Louwer
BD44	Barndoor
CF44	Color Frame
X00517	Glass / Dichroic Holder
FX22-26*	Red Filter
FX22-80*	Blue Filter
FX22-64*	Light Blue Filter
FX22-90*	Green Filter
FX22-21*	Amber Filter
FX22-33*	Pink Filter
OF22-9101*	Smoothing Frost Filter
OF22-0S20*	20° Beam Softener
OF22-1060*	Linear Spread 10 x 60 Degree
OF22-0S30*	Beam Soft Filter
OF22-0S40*	40 / 60 Degree Diffusion
DF44	Dichroic Color Filter
CC18	Coiled Cord
SC	Safety Cable

* X00517 Required.

NOTES ON DIMMING

Visit tslight.com/resources or scan the QR Code.



SPECIFY:

MODEL	LUMENS	CRI	
46CR	9 = 900 / 900 12 = 1200 / 1200 15 = 1500 / 1500 18 = 1800 / 1800 20 = 2000 / 2000 25 = 2500 / 2500 30 = 3000 / 3000 35 = 3500 *	80 92	
COLOR TEMPERATURE	FINISH	VOLTAGE	
27 = 2700K 30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K 57 = 5700K * 65 = 6500K *	B = Black W = White S = Silver CC = Custom Color	100 †† 120 240 277	
OPTICS	MOUNTING	DIMMING †	ACCESSORIES
10 = 10° 20 = 20° 25 = 25° 40 = 40° 60 = 60° ZO = 14°-40° Zoom Optics ^	See Mounting Options for Ordering Codes	TE = Trailing Edge ** LE = Leading Edge ◇ 010 = 0-10V ND = Non-Dimming IP = Integral Pot DMX = DMX Basic ECP = Ecosystem premier 0.1% dim	See Accessory Options for Ordering Codes

Maximum Ambient Temperature: 35°C
Maximum Operating Angle: 45° from vertical
* 80 CRI Only
^ Maximum 2000 Lumens

** 277V TE Dimming Available on 1800, 2500 & 3000 Lumen, 80 CRI and 1500 Lumen, 92 CRI only.

† See "Notes on Dimming"
†† Non-Dim or 0-10V Dimming Only, not available in 3500 Lumens.
◇ 120V Only

ORDERING INFORMATION

PROJECT:	
LOCATION:	
QUANTITY:	
CONTACT:	
PHONE:	
EMAIL:	

EXAMPLE: 46CR-80-27-B-120-20-AD1-TE-LV44

MODEL	LUMENS	CRI	COLOR TEMPERATURE	FINISH	VOLTAGE	OPTICS	MOUNTING	DIMMING	ACCESSORIES
46CR									