

SoLux 4700K 50W Specs.

Technical Data SoLux 4700 Kelvin

PHYSICAL

Bulb Type: MR 16
 Cover Glass: Yes
 Bulb Diameter: 2" (50mm)
 Maximum Overall Length: 1 3/4" (45 mm)
 Base 2 pin / GX5.3

ELECTRICAL

Watts: 50
 Volts: 12
 Filament: C-8
 Burning Position: Any

LIGHT

Life: 4000 Hrs.
 Color Temperature: 4700 Kelvin
 Color Rendition Index. 99+ C.R.I.

IR EMISSION

80 % Less Than
 Standard MR16 50W

UV VALUES

UV : 42.0 Microwatt / Lumen
 UVA: 39.6 Microwatt / Lumen (380-315 nm)
 UVB: 2.4 Microwatts / Lumen (315-280nm)

CANDLEPOWER

#18001 (10°) = 6213
 #18002 (17°) = 3074
 #18002 (24°) = 1773
 # 18003 (36°) = 1069

Part Number		18001				18002				18004				18003			
		10°				17°				24°				36°			
Distance		Beam Diameter		Illuminance		Beam Diameter		Illuminance		Beam Diameter		Illuminance		Beam Diameter		Illuminance	
Feet	Meters	Feet	Meters	fc	Lux	Feet	Meters	fc	Lux	Feet	Meters	fc	Lux	Feet	Meters	fc	Lux
2	0.6	0.35	0.11	1603.4	17258.6	0.60	0.20	793.3	8538.7	0.85	0.30	457.5	4924.0	1.30	0.40	275.8	2968.8
4	1.2	0.70	0.21	400.8	4314.6	1.20	0.40	198.3	2134.7	1.70	0.52	114.4	1231.0	2.60	0.80	69.0	742.2
6	1.8	1.05	0.32	178.2	1917.6	1.79	0.55	88.1	948.7	2.55	0.80	50.8	547.1	3.90	1.20	30.6	329.9
8	2.4	1.40	0.43	100.2	1078.7	2.39	0.73	49.6	533.7	3.40	1.04	28.6	307.8	5.20	1.60	17.2	185.6
10	3.0	1.75	0.53	64.1	690.3	2.99	0.91	31.7	341.5	4.25	1.30	18.3	197.0	6.50	2.00	11.0	118.8

Over Drive Data

Volts	12	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13	13.1	13.2	13.3	13.4	13.5	13.6
x	0.3545	0.3533	0.3528	0.3520	0.3515	0.3507	0.3501	0.3499	0.3486	0.3482	0.3477	0.3470	0.3462	0.3459	0.3452	0.3447	0.3440
y	0.3713	0.3701	0.3699	0.3701	0.3695	0.3690	0.3683	0.3683	0.3676	0.3670	0.3669	0.3666	0.3660	0.3655	0.3652	0.3648	0.3642
CCT	4739	4771	4789	4814	4827	4855	4872	4880	4921	4934	4948	4973	4997	5008	5030	5047	5071
CP	1262	1299	1334	1367	1408	1436	1474	1506	1545	1586	1628	1665	1707	1746	1791	1835	1869

Volts	13.7	13.8	13.9	14	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15	15.1	15.2	15.3
x	0.3432	0.3428	0.3422	0.3418	0.3409	0.3407	0.3400	0.3394	0.3392	0.3385	0.3380	0.3376	0.3370	0.3364	0.3358	0.3354	0.3349
y	0.3635	0.3632	0.3628	0.3625	0.3620	0.3617	0.3613	0.3605	0.3606	0.3599	0.3596	0.3593	0.3589	0.3582	0.3581	0.3576	0.3570
CCT	5099	5111	5134	5148	5178	5186	5210	5234	5241	5266	5285	5298	5321	5346	5367	5381	5400
CP	1921	1958	2008	2048	2098	2141	2184	2232	2280	2326	2376	2431	2478	2522	2585	2628	2689

Volts	15.4	15.5	15.6	15.7	15.8	15.9	16
x	0.3343	0.3339	0.3335	0.3333	0.3329	0.3318	0.3314
y	0.3567	0.3564	0.3561	0.3559	0.3557	0.3549	0.3547
CCT	5426	5441	5457	5464	5479	5523	5540
CP	2743	2789	2848	2855	2896	3012	3072