

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

**Under/Over Drive Data for 4700K 36 Degree SoLux**

Volts	8.60	8.70	8.80	8.90	9.00	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	10.00	10.10	10.20
x	0.3765	0.3758	0.3751	0.3745	0.3738	0.3731	0.3724	0.3718	0.3711	0.3704	0.3698	0.3691	0.3684	0.3678	0.3671	0.3664	0.3658
y	0.3856	0.3851	0.3847	0.3843	0.3838	0.3834	0.3830	0.3825	0.3821	0.3817	0.3812	0.3808	0.3804	0.3799	0.3795	0.3791	0.3787
CCT	4087	4104	4122	4139	4157	4175	4193	4211	4229	4247	4265	4283	4301	4320	4338	4356	4375
CP	462	473	485	498	510	523	536	550	564	578	592	607	623	638	654	671	688

Volts	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
x	0.3651	0.3644	0.3638	0.3631	0.3625	0.3618	0.3612	0.3605	0.3598	0.3592	0.3585	0.3579	0.3573	0.3566	0.3560	0.3553	0.3549
y	0.3782	0.3778	0.3774	0.3769	0.3765	0.3761	0.3757	0.3752	0.3748	0.3744	0.3740	0.3735	0.3731	0.3727	0.3723	0.3718	0.3715
CCT	4394	4412	4431	4450	4469	4488	4507	4527	4546	4565	4585	4604	4624	4644	4664	4684	4690
CP	705	723	741	760	779	799	819	840	861	882	905	927	951	975	999	1025	1050

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	4700	4739	4771	4789	4814	4827	4855	4872	4880	4921	4934	4948	4973	4997	5008	5030	5047
CP	1069	1100	1133	1163	1192	1228	1252	1285	1313	1347	1383	1420	1452	1489	1522	1561	1600

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	5071	5099	5111	5134	5148	5178	5186	5210	5234	5241	5266	5285	5298	5321	5346	5367	5381
CP	1630	1675	1707	1751	1786	1829	1867	1904	1946	1988	2028	2072	2120	2161	2199	2254	2291

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	5400	5426	5441	5457	5464	5479	5523
CP	2345	2391	2432	2483	2490	2525	2627