

Technical Data SoLux 4700 Kelvir

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: 35
 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
 58 % Less Than
 Standard MR16 50W

UV VALUES
 UV : 41.99 Microwatt / Lumen
 UVA: 39.63 Microwatt / Lumen (380-315 nm)
 UVB: 2.36 Microwatts / Lumen (315-280nm)

CANDLEPOWER
 #35001 (10°) = 5796
 #35002 (17°) = 2105
 # 35004 (24°) = 1260
 # 35003 (36°) = 671

| Part Number | | 35001 | | | | 35002 | | | | 35004 | | | | 35003 | | | |
|-------------|--------|---------------|--------|-------------|---------|---------------|--------|-------------|--------|---------------|--------|-------------|--------|---------------|--------|-------------|--------|
| | | 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 | 1496.3 | 16100.0 | 0.60 | 0.20 | 543.4 | 5847.2 | 0.90 | 0.26 | 325.3 | 3500.0 | 1.30 | 0.40 | 173.2 | 1863.9 |
| 4 | 1.2 | 0.70 | 0.21 | 374.1 | 4025.0 | 1.20 | 0.40 | 135.9 | 1461.8 | 1.70 | 0.52 | 81.3 | 875.0 | 2.60 | 0.80 | 43.3 | 466.0 |
| 6 | 1.8 | 1.05 | 0.32 | 166.3 | 1788.9 | 1.80 | 0.55 | 60.4 | 649.7 | 2.60 | 0.78 | 36.1 | 388.9 | 3.90 | 1.20 | 19.2 | 207.1 |
| 8 | 2.4 | 1.40 | 0.43 | 93.5 | 1006.3 | 2.40 | 0.73 | 34.0 | 365.5 | 3.40 | 1.04 | 20.3 | 218.8 | 5.20 | 1.60 | 10.8 | 116.5 |
| 10 | 3.0 | 1.75 | 0.53 | 59.9 | 644.0 | 3.00 | 0.91 | 21.7 | 233.9 | 4.30 | 1.30 | 13.0 | 140.0 | 6.50 | 2.00 | 6.9 | 74.6 |

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 | 0.3522 | 0.3515 | 0.3510 | 0.3503 | 0.3497 | 0.3487 | 0.3478 | 0.3471 | 0.3461 | 0.3456 | 0.3447 | 0.3450 | 0.3441 | 0.3433 | 0.3426 | 0.3419 | 0.3412 |
| y | 0.3666 | 0.3667 | 0.3671 | 0.3667 | 0.3661 | 0.3656 | 0.3648 | 0.3639 | 0.3637 | 0.3633 | 0.3631 | 0.3631 | 0.3626 | 0.3621 | 0.3617 | 0.3609 | 0.3602 |
| CCT | 4795 | 4817 | 4838 | 4858 | 4878 | 4911 | 4940 | 4962 | 4994 | 5014 | 5042 | 5034 | 5066 | 5092 | 5116 | 5140 | 5163 |
| CP | 671 | 681 | 697 | 715 | 730 | 752 | 767 | 785 | 804 | 825 | 844 | 860 | 880 | 903 | 924 | 944 | 969 |

| | | | | | | | | | | | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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 | 0.3408 | 0.3398 | 0.3393 | 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 | 0.3600 | 0.3596 | 0.3589 | 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 | 5181 | 5216 | 5234 | 5148 | 5178 | 5186 | 5210 | 5234 | 5241 | 5266 | 5285 | 5298 | 5321 | 5346 | 5367 | 5381 | 5400 |
| CP | 984 | 1010 | 1029 | 1048 | 1098 | 1141 | 1184 | 1232 | 1280 | 1326 | 1376 | 1431 | 1478 | 1522 | 1585 | 1628 | 1689 |

| | | | | | | | |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 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 | 1743 | 1789 | 1848 | 1855 | 1896 | 2012 | 2072 |