NEOSVET Secondary optics for LED

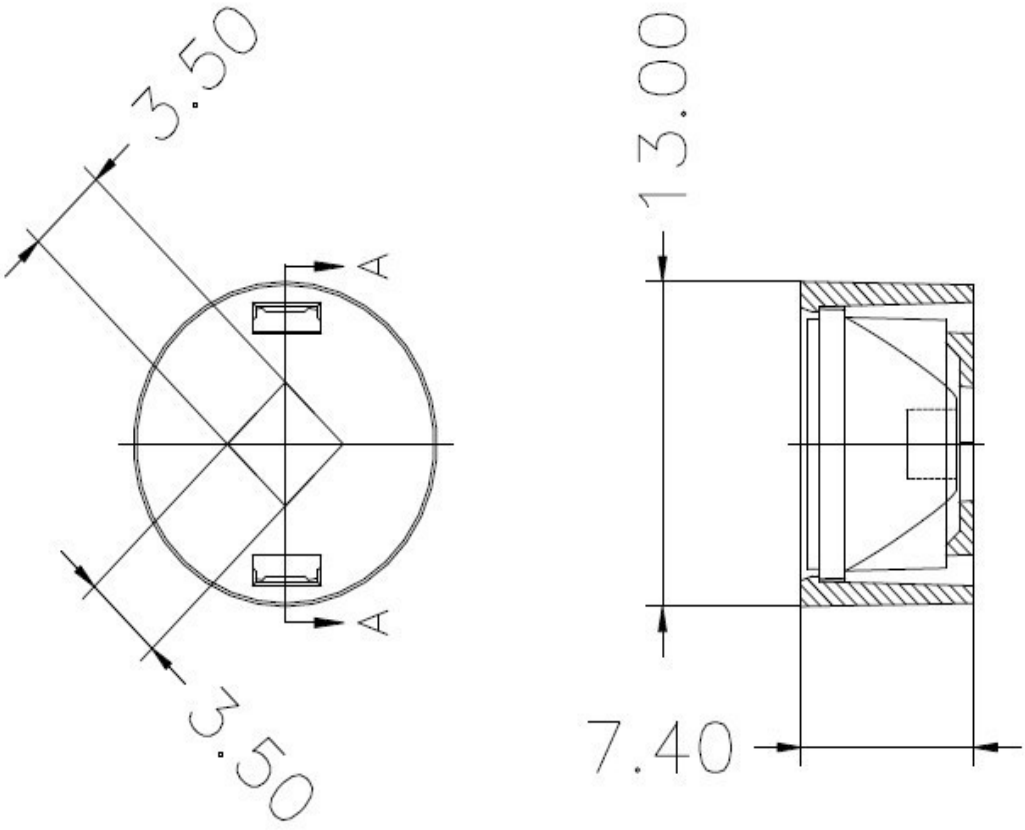


Type: NSO-01XPE-47LH-13x7.4
Diameter:Φ13mm
Height:7.4mm
Fov:47°
Material:Optical grade Acrylic plastic
Up to 89.9% efficiency
LED Series:CREE XPE

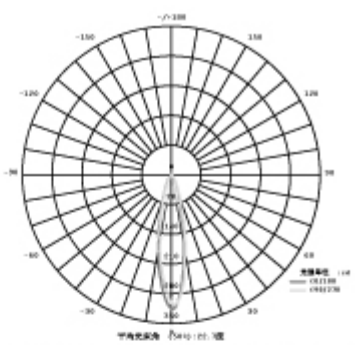
Applications:
Reading lights(car, bus, aircraft)
Portable (flashlight, bicycle)
Mini-accent/Decorative/Fiber Optics Alternative
Undershelf / Task Lighting
Indoor and Outdoor Commercial and Residential Architectural lighting

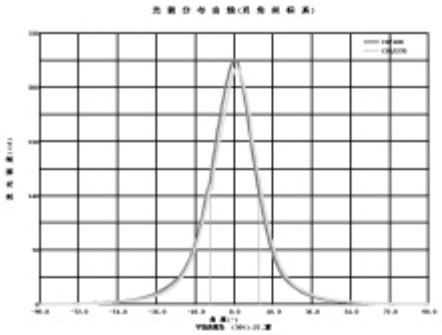
• Operating Temperature range -40°C ~ + 70°C (upper limit +80°C)
• Storage Temperature range -40°C ~ + 70°C (upper limit +80°C)
• Usage and Maintenance :
1. If necessary, clean lenses with mild soap, water and soft cloth
2. Never use any commercial cleaning solvents on lenses, like alcohol

Lens dimensions and Top Views



Light Distribution Curve





光强分布数据 :(角度° , 光强cd) C0/180

角度	光强	角度	光强	角度	光强	角度	光强	角度	光强	角度	光强
-90.0	0	-58.5	1.986	-27.0	30.45	4.5	273.9	36.0	9.992	67.5	0.8954
-88.5	0.0655	-57.0	2.216	-25.5	34.60	6.0	248.8	37.5	8.594	69.0	0.8221
-87.0	0.0921	-55.5	2.485	-24.0	40.12	7.5	217.0	39.0	7.446	70.5	0.7367
-85.5	0.1908	-54.0	2.812	-22.5	46.83	9.0	188.1	40.5	6.472	72.0	0.6335
-84.0	0.1942	-52.5	3.133	-21.0	54.96	10.5	162.3	42.0	5.647	73.5	0.5914
-82.5	0.2829	-51.0	3.580	-19.5	65.04	12.0	138.3	43.5	4.917	75.0	0.5315
-81.0	0.3107	-49.5	4.014	-18.0	77.62	13.5	115.6	45.0	4.367	76.5	0.4249
-79.5	0.3828	-48.0	4.614	-16.5	92.93	15.0	97.09	46.5	3.862	78.0	0.3861
-78.0	0.4349	-46.5	5.321	-15.0	110.1	16.5	79.37	48.0	3.412	79.5	0.3562
-76.5	0.5084	-45.0	6.096	-13.5	130.9	18.0	65.04	49.5	3.090	81.0	0.2929
-75.0	0.5736	-43.5	6.938	-12.0	149.8	19.5	53.23	51.0	2.725	82.5	0.1953
-73.5	0.6413	-42.0	7.972	-10.5	169.5	21.0	44.49	52.5	2.422	84.0	0.1775
-72.0	0.7356	-40.5	9.157	-9.0	198.3	22.5	36.97	54.0	2.215	85.5	0.0810
-70.5	0.7878	-39.0	10.47	-7.5	225.2	24.0	31.41	55.5	1.995	87.0	0.0865
-69.0	0.9198	-37.5	12.06	-6.0	247.8	25.5	27.29	57.0	1.807	88.5	0
-67.5	1.027	-36.0	13.85	-4.5	270.9	27.0	23.92	58.5	1.603	90.0	0.0222
-66.0	1.118	-34.5	16.02	-3.0	290.8	28.5	20.76	60.0	1.479		
-64.5	1.273	-33.0	18.13	-1.5	306.1	30.0	17.74	61.5	1.314		
-63.0	1.382	-31.5	20.86	0.0	315.4	31.5	15.41	63.0	1.222		
-61.5	1.595	-30.0	23.91	1.5	313.2	33.0	13.40	64.5	1.091		
-60.0	1.782	-28.5	27.17	3.0	297.1	34.5	11.56	66.0	0.9764		

电学参数 :

工作电压 : 3.270 V 工作电流 : 0.3500 A

电功率 : 1.145 W 功率因数 : 1.000

光学参数 (测试距离 :3.160m) :

总光通量 : Φt = 83.15 lm 光效 : Eff=72.65 lm/W

平均光强扩散角 : θ(25%): 35.2° θ(50%): 22.7° θ(75%): 13.6° θ(10%): 52.0°

C0/180: θ(25%): 34.7° θ(50%): 22.0° θ(75%): 13.5° θ(10%): 51.7°

C0/180 Imax = 315.5 cd (G=0.5°) Io = 315.4 cd

H(β)角度范围 :-90度 - 90度
H(β)角度间隔 : 0.5度
测试速度 : 快速
环境温度 :25.3℃
测试人员 :
测试日期 :2009-11-18

V(B)角度范围 :-90度 - 90度
V(B)角度间隔 : 0.5度
测试系统 : 远方(EVERFINE)GO-SPEC316系统 V1.0.254
环境湿度 :65.0%
测试距离 :3.160米 [K=1.0000]
备注 : 整体式灯具 , 灯具效率(相对)计为100%。