

NEOSVET Secondary optics for LED



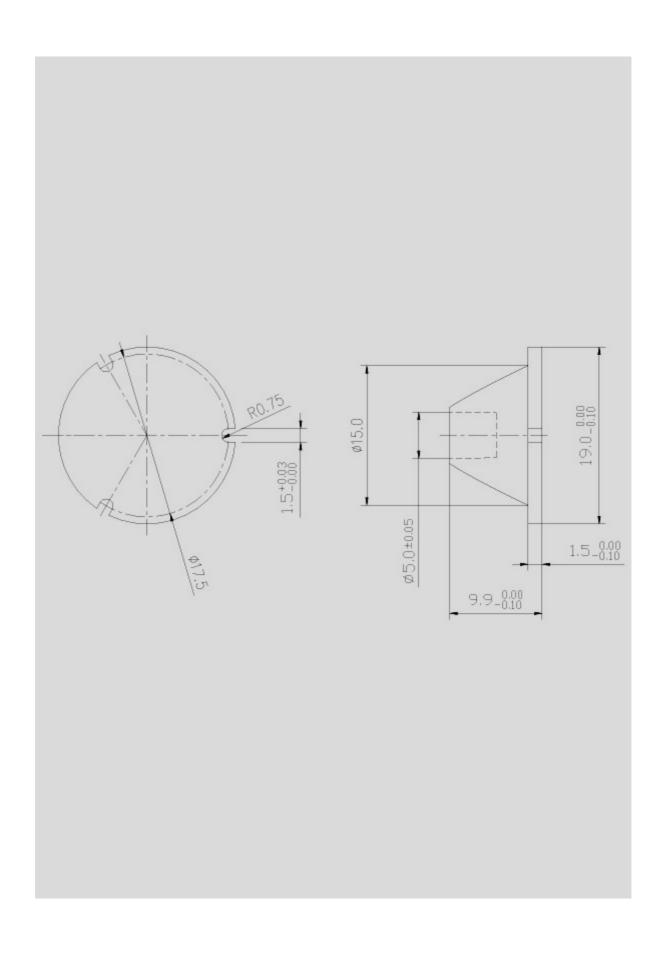
Type:NSO-01XRE-09L-19x9.9
Diameter:Ф19mm
Height:9.9mm
Fov:09°
Material:Optical grade Acrylic plastic
Up to 93% efficiency
LED Series:CREE XRE

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

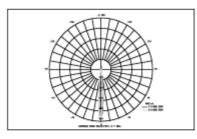
- Operating Temperature range $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (upper limit $+80^{\circ}\text{C}$)
- Storage Temperature range -40° C $\sim +70^{\circ}$ C (upper limit $+80^{\circ}$ C)
- Usage and Maintenance:
- 1. If necessary, clean lenses with mild soap, water and soft cloth
- 2. Never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

Lens dimensions and Top Views



Light Distribution Curve

NAME:	TYPE:	WEIGHT:
DIMENSION:	SPECIFICATION:	SERIAL No.:
MANUFACTURER:	SURFACE:	PROTECTION ANGLE:



DATA OF LAN	MP	PHOTOMETRIC DATA						
MODEL	Cree-XRE	Imax(cd)	816.7					
NOMINAL POWER(W)	4	AVAILABILITY(%)	32.8					
RATED VOLTAGE (V)	3.4	Avai. FLUX(lm)	23.06					
NOMINAL FLUX(lm)	70.200	EFFICIENCY(%)	88.9					
LAMPS INSIDE	1	TOTAL FLUX(lm)	62.40					
TEST VOLTAGE (V)	3.4	• 850% (H,V)	9,9DEG					

90								AREA	FLU	DIAG	RAM						UNIT	lm.	· t	- a
80	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04 (.03 (.03 (.03 (.02 0	.01 0	.01 0	.00	0.40	0.00
70	0.00	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05	0.05	.05	.05	.04 (.03 (.02 0	.02 0	.01.0	.00	0.54	0.00
60	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.07	.07 (.06 (.05 (.04 (.03 0	.02 0	.01 0	.00	0.70	0.00
50	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.09	0.09	0.09	0.09 (0.08	.07 (.05 (.03 0	.02 0	.01 0	.00	0.88	0.00
40	0.00	0.01	0.03	0.04	0.06	0.08	0.10	0.13	0.14	0.14	1.13	.11 (.08 (.06 (.04 0	.02 0	.01.0	.00	1.18	0.00
30	0.00	0.01	0.03	0.04	0.07	0.10	0.16	0.24	0.26	0.26	0.24 (.17 (.11 (.07 (.05 0	.03 0	.01 0	.00	1.87	0.00
	0.00	0.02	0.03	0.05	0.08	0.15	0.27	0.36	0.48	0.47	.35	.28	.17 (.09 (.05 0	.03 0	.01.0	.00	2.90	0.00
(089)	0.00	0.02	0.03	0.05	0.10	0.19	0.33	0.82	1.36	1.32	.76	.35 (.25 (.11 (.06 0	.03 0	.01 0	.00	5.79	0.00
	0.00	0.02	0.03	0.06	0.11	0.20	0.42	1.32	5.32	5.70	.35	.46 (.28	.13 (.06 0	.03 0	.01.0	.00	15.5	10.1
S	0.00	0.02	0.03	0.06	0.11	0.20	0.40	1.25	5.63	7.23	.29 (.45 (.28 (.13 (.06 0	.03 0	.01 0	.00	18.2	12.9
VERTICAL	0.00	0.02	0.03	0.05	0.10	0.20	0.32	0.68	1.32	1.30	.65	.34 (.25 (.11 (.06 0	.03 0	.01 0	.00	5.47	0.05
-30	0.00	0.02	0.03	0.05	0.08	0.17	0.26	0.36	0.47	0.47	.35 (.29 (.18 (.09	.05 0	.03 0	.01 0	.00	2.91	0.00
-40	0.00	0.01	0.03	0.05	0.07	0.11	0.19	0.27	0.31	0.31	.28	.20 (.12 (.07 (.05 0	.03 0	.01 0	.00	2.12	0.00
-50	0.00	0.01	0.03	0.04	0.06	0.08	0.11	0.15	0.18	0.18	.15	.12 (.09 (.06	.04 0	.02 0	.01 0	.00	1.34	0.00
-60	0.00	0.01	0.02	0.04	0.05	0.06	0.08	0.09	0.10	0.10	.09	.08	.07 (.05 (.04 0	.02 0	.01 0	.00	0.93	0.00
-70	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07	0.07	.07 (.06 (.06 (.04 0	.03 0	.02 0	.01 0	.00	0.73	0.00
-80	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.05	0.05	0.05	0.05 (.05 (.04 (.04 0	.03 0	.02 0	.01 0	.00	0.56	0.00
-90	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	.03	.03 (.03 (.03 (.02 0	.01 0	.01 0	.00	0.39	0.00
	90 -8	30 -7	70 -6	50 -5	0 -4	0 -3	0 -2	0 HOR	IZONT	AL (DE	B) 20	30	40	50	60	70	80	90		
· t	0.07	0.24	0.45	0.71	1.12	1.85	3.01	6.05	17.0	17.9	6.05	3.20	2.20	1.24	0.73	0.41	0.19	0.04	62	
· а	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.0	12.0	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00		23