

Silicone Resin (DUV280) UV Durability Testing

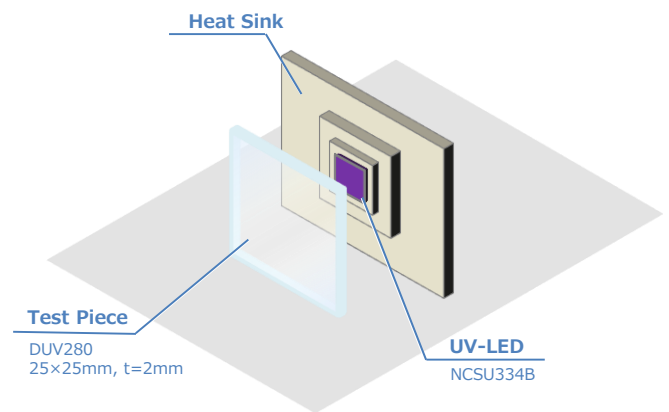
Test Method

UV-LED lit for extended duration; collected pre- and post-test transmittance data compared.

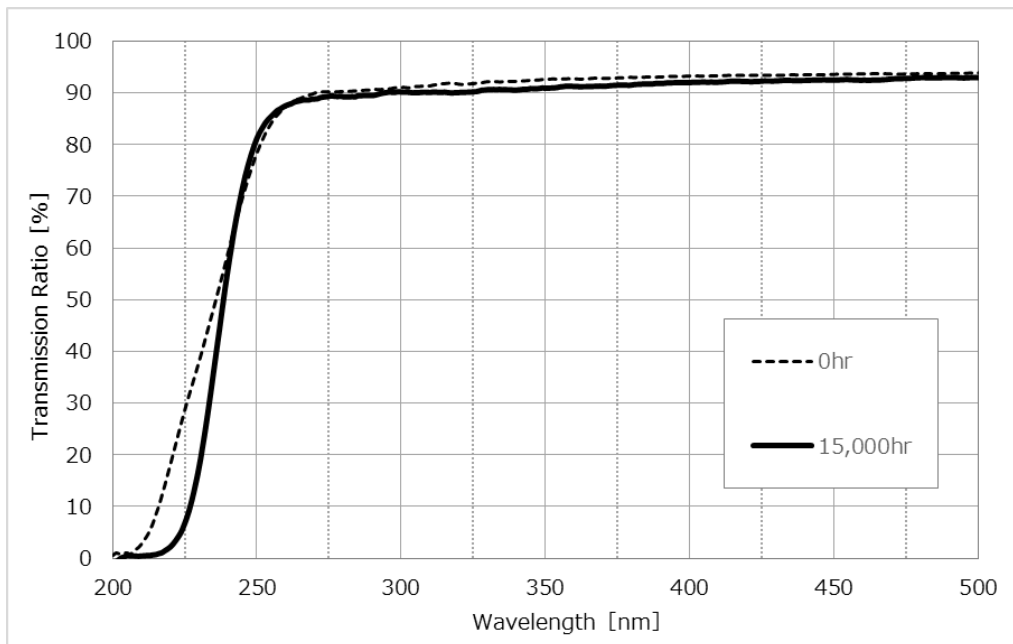
Continuous Operation Test Description

LED Package	Nichia NCSU334B (@280nm)
Drive Current	$I_f=500\text{mA}$ (specification max)
Radiant Flux	$\Phi_e=70\text{mW}$ (@350mA)
Cooling	Heat sink with forced air
Ambient Temp	$T_A=25^\circ\text{C}$
Duration	15,000 hours
Distance	~2mm between LED and test piece

Test Illustration



Measured Results (Change in Transmittance after 15,000hr)



Summary

No abnormal appearance (damage, cracks, discoloration, etc.) was confirmed after the test.