

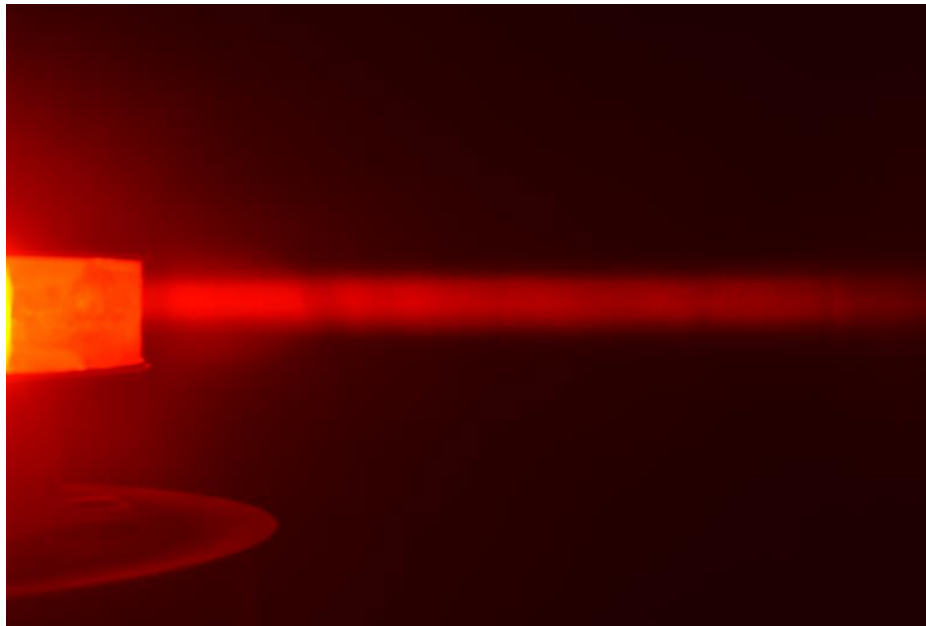
FLASH TECHNOLOGY

FAA Obstruction Lighting



Patented optics of the Vanguard LED 370 flashhead virtually eliminate ground scatter / light pollution

Vanguard optics reduce the light emitted to the equivalent of a 30 watt bulb viewed from the ground at 1,500 ft. (or 5 football fields) away



Tunnel Testing Results

Test Point	Eff Candela 1	Eff Candela 2	Eff Candela 3	Eff Candela 4	Eff Candela 5
0	2156	2210	2255	2061	2078
-1	1527	1815	1699	1620	1415
-10	23.78	23.25	25.01	31.16	21.64

Only 1%-1.5% of the light registers at -10 degrees