

FIG 1

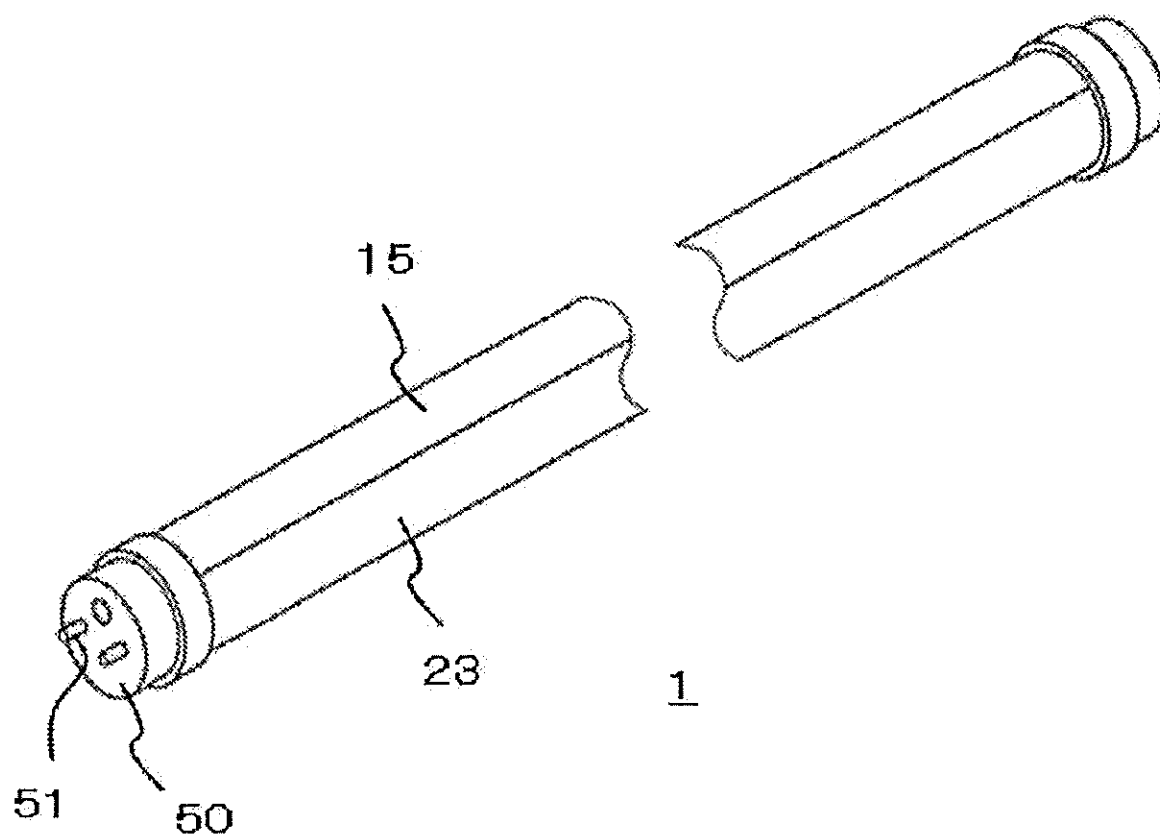


FIG 2

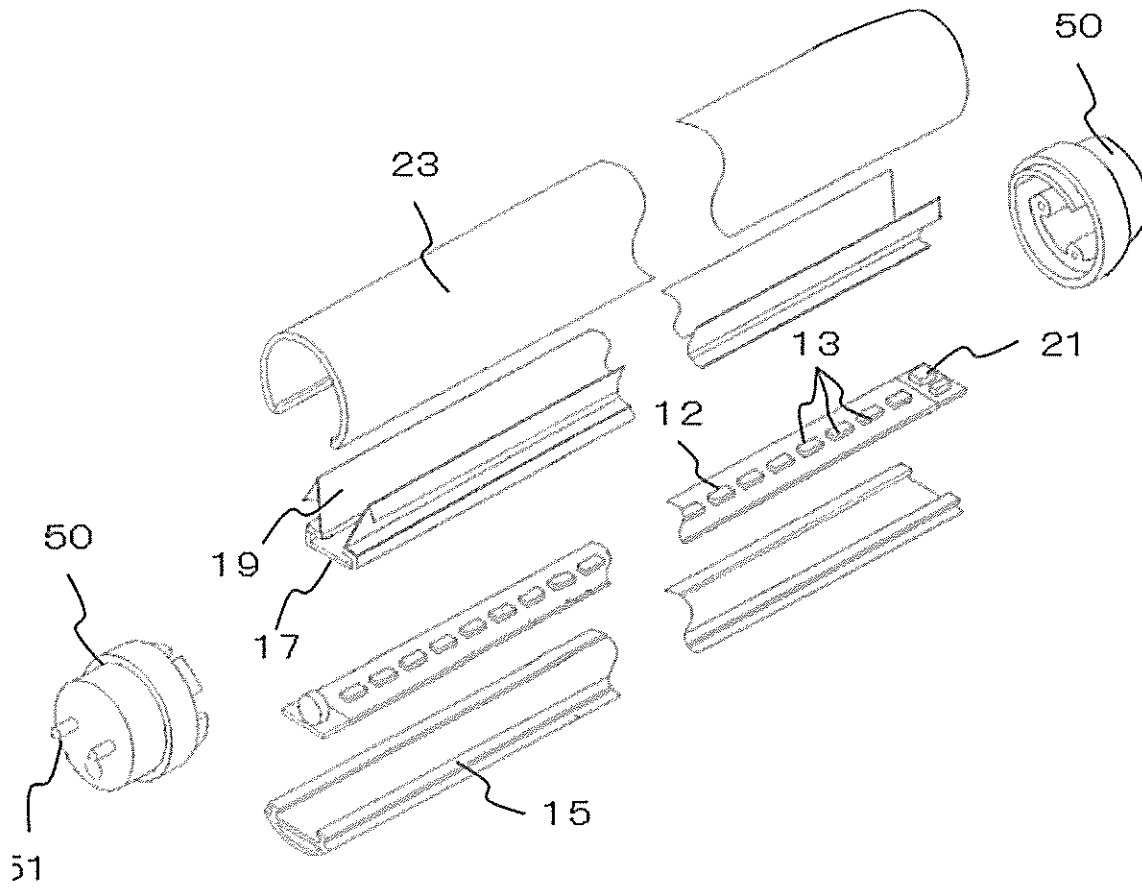


FIG 3

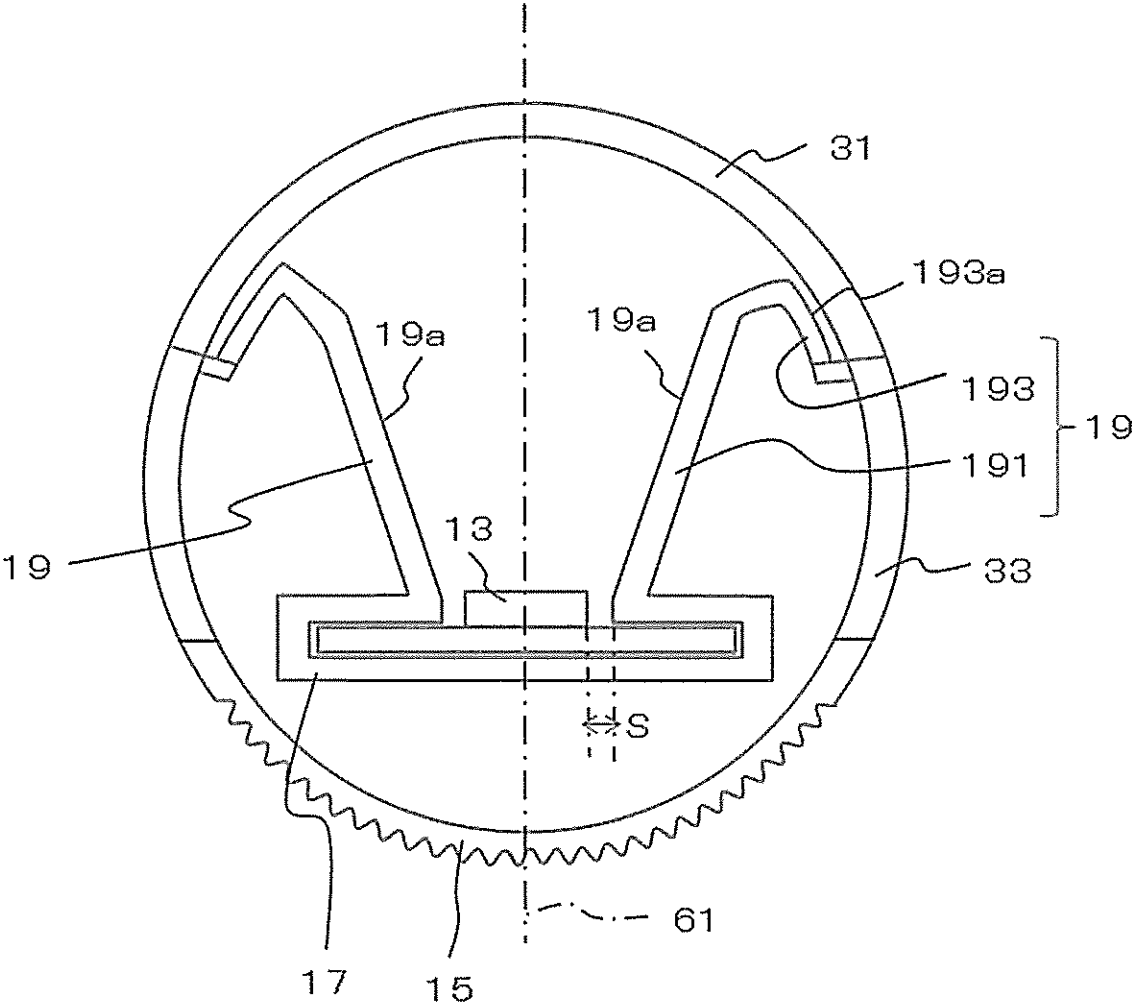


FIG 4

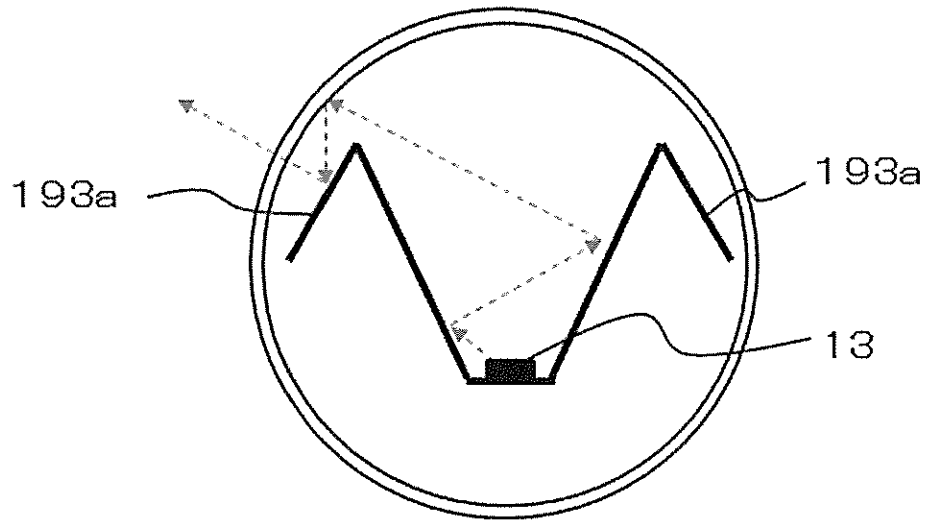


FIG 5

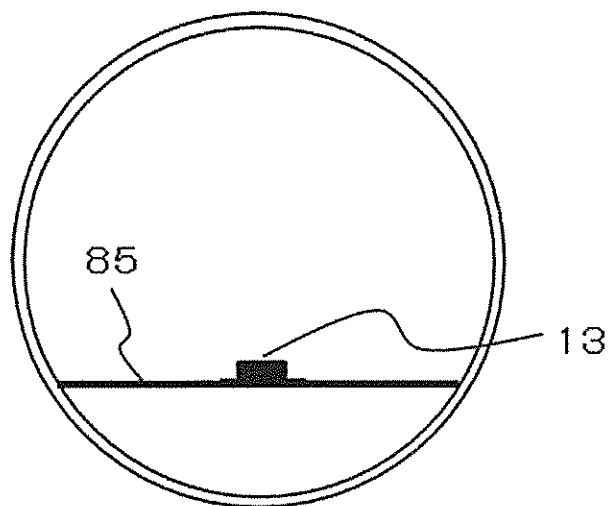


FIG 6

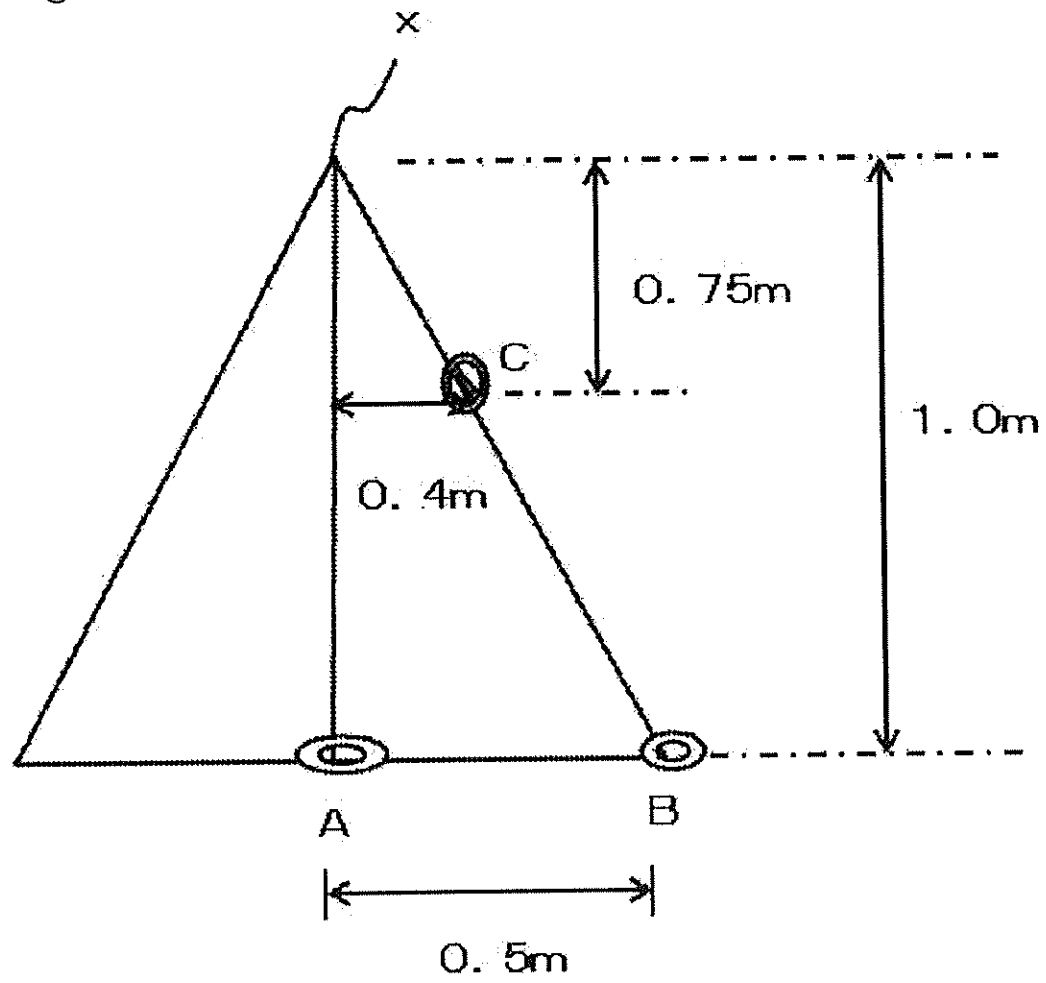


FIG7 A

	Conventional Heat sink 20W	Present invention Heat sinkv 20W	Fluorescent tube 40W
Measurement Point A Beneath the light source 1.0m (Lx)	600	850-1000	800-1000
Measurement Point B Beneath the light source 1.0m Side 0.5m(Lx)	300	400-550	350-550

FIG7 B

	Fluorescent tube 40W	Conventional Heat sink 20W	Present invention Heat sinkv 20W
Temperature of the part touched by people (° C)	65 more	about 50	40 or less
Weight (g)		300-350	350-400
Light distribution (degree)	180	120 or more	140 or more

FIG 8

FIG 8A

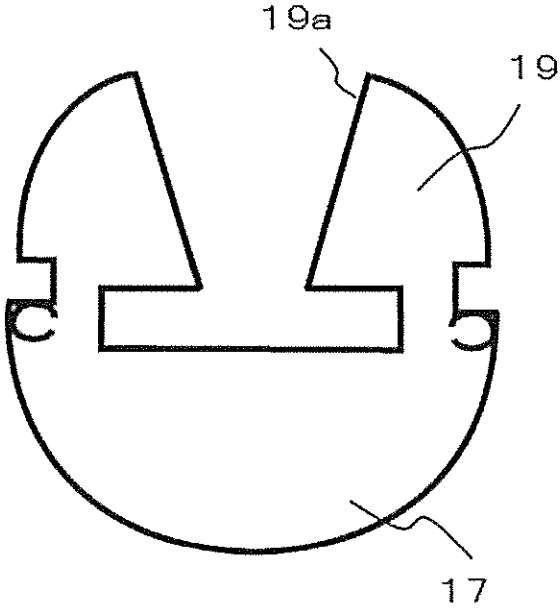


FIG 8B

