

RAYTRO Fluorescent Lamp

Adequate and uniform lighting is very important for computer vision application. And for most machine vision, a diffused light source is best. Fluorescent lighting is the simplest and most common way of obtaining diffused illumination. Raytro fluorescent lamps are available in various color temperatures.

Lamp specification table

No.	Type	Mark	Color temp.	Relative spectral energy distribution
1	Triple color phosphor, Daylight White	NEX	4600~5400K	Fig. 1
2	Triple color phosphor, White	WEX	3900~4500K	Fig. 2
3	Triple color phosphor, Daylight	DEX	5700~7100K	Fig. 3
4	Triple color phosphor, Incandescent light bulb color	LEX	2600~3150K	Fig. 4
5	Rare-earth activator, Blue	BEX		Fig. 5
6	Rare-earth activator, Green	GEX		Fig. 6
7	Rare-earth activator, Red	REX		Fig. 7
8	Black light, BL	BL		Fig. 7
9	Yellow, UV free	YEX		Fig. 8

The lamps are chosen for specific application. "NEX" type is supplied as standard.



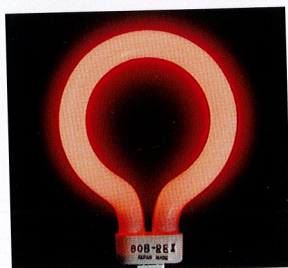
NEX (Daylight White)



BEX (Blue)



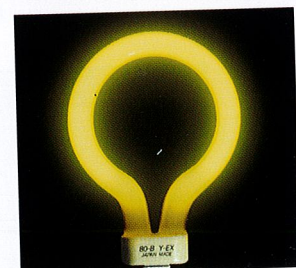
GEX (Green)



REX (Red)



BL (Black light)



YEX (Yellow, UV free)

NOTE:

Frequent switching on/off in a short time may cause lamp failure. The recommended ambient temperature is between 20°C ~ 30°C for the best performance. Operation at extremely cold (below 5°C) or hot (over 40°C) temperatures may result in reduced light output. Lamp operation with BS-1 system can keep constant the brightness in the ambient temperature between 5°C~40°C (ref.P.20)