

4 Times Higher Luminous Efficiency (than Xenon Lamp and Halogen Lamp) White, Point Light Source with 7500 K Color Temperature

FEATURES

- **High Luminous Efficiency : 76 lm/W**
About 4 times higher luminous efficiency than Xenon lamp and Halogen lamp (20 to 25 lm/W)
- **White light, Excellent Color Rendering :7500 K Color Temperature**
Similar color temperature to sun light
(Illumination Metal Halide Lamp : Approx. 4500 K)
- **Long Life : 3000 hours (Expectancy)**
Long life of 3000 hours in spite of compact short-arc type
- **Short Arc : Arc Gap 5 mm**
Easy optical designing because of point light source
- **Compact Size : Overall Length 76 mm**



▲ Center : L4342-01, Right : L4342

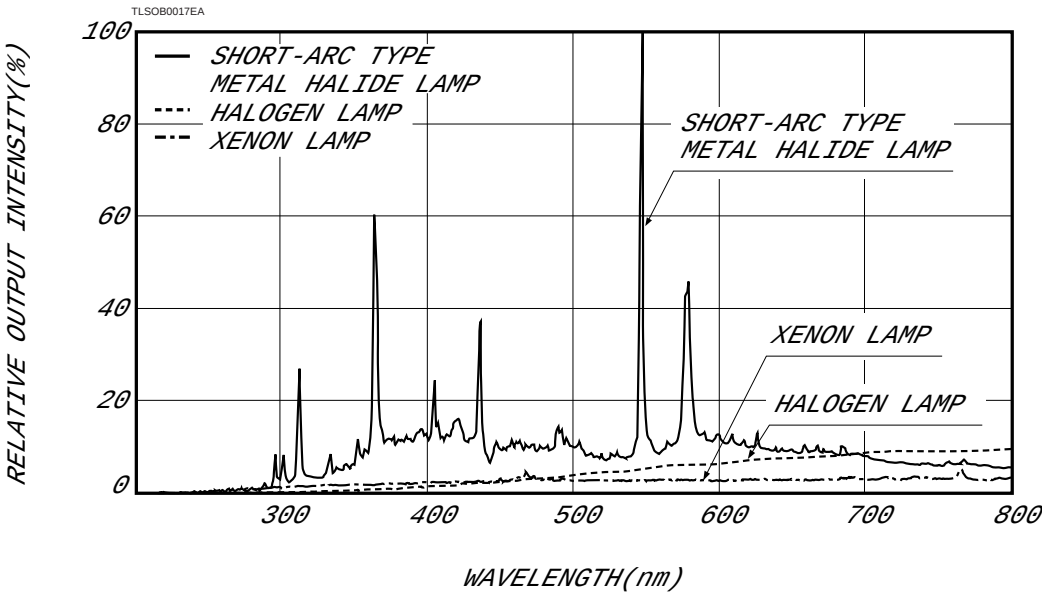
APPLICATIONS

- Liquid Crystal Projector
- Over Head Projector
- Light Source for Fiber
- Film/Slide Projector
- Color Printer
- Microscope

CHARACTERISTICS COMPARISON AMONG VARIOUS LAMPS

Parameter \ Lamp	Short-Arc Type Metal Halide Lamp (150 W)		Halogen Lamp (150 W)		Xenon Lamp (150 W)	
	Excellent	76	Fair	20	Fair	25
Luminous Efficiency (lm/W)	Excellent	76	Fair	20	Fair	25
Color Temperature (K)	Excellent	7500	Fiar	3200	Good	6500
Life (Expectancy) (hours)	Excellent	3000	Poor	200	Good	1000
Compactness	Excellent		Excellent		Fair	
Safety	Excellent		Excellent		Fair	

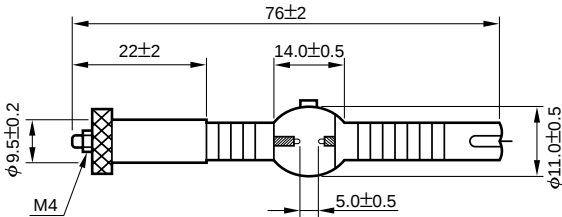
● Comparison of Spectral Distribution



SPECIFICATIONS

Lamp Power	150W
Lamp Voltage	80Vac
Lamp Current	1.9 Aac
Luminous Flux	11,400 lm
Luminous Efficiency	76 lm/W
Color Temperature	7500 K
Arc Gap	5.0 mm
Life (Expectancy)	3000 hours

DIMENSIONAL OUTLINE (Unit:mm)



TLSOA0013EE

* PATENT PENDING : JAPAN 17, USA 4, EUROPE 4

HAMAMATSU

HAMAMATSU PHOTONICS K.K., Electron Tube Center
314-5, Shimokanzo, Toyooka-village, Iwata-gun, Shizuoka-ken, 438-0193, Japan, Telephone: (81)539/62-5248, Fax: (81)539/62-2205, Telex: 4225-186HAMAHQ

U.S.A.: Hamamatsu Corporation: 360 Foothill Road, Bridgewater, N.J. 08807-0910, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218

Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-2658

France: Hamamatsu Photonics France S.A.R.L.: 8, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10

United Kingdom: Hamamatsu Photonics UK Limited: Lough Point, 2 Gladbeck Way, Windmill Hill, Enfield, Middlesex EN2 7JA, United Kingdom, Telephone: (44)181-367-3560, Fax: (44)181-367-6384

North Europe: Hamamatsu Photonics Norden AB: F  r  gatan 7, S-164-40 Kista, Sweden, Telephone: (46)8-703-29-50, Fax: (46)8-750-58-95

Italy: Hamamatsu Photonics Italia S.R.L.: Via Della Moia, 1/E 20020 Arese, (Milano), Italy, Telephone: (39)2-935 81 733, Fax: (39)2-935 81 741