Technical Information

No. FO 5042
**Edition: 03/03** - subject to change
Supersedes:
Status: initial

Linear Excimer Lamp

LINEX® LX24T3/956/A4

■ Product description

The OSRAM LINEX® LX24T3/956/A4 is a dielectric barrier discharge lamp system. It consists of an aperture lamp and an inverter. It is especially used for the exposure process in digital copiers and scanners. The lamp provides an illuminance of 48,000 lux in white (triphosphor). The Xenon gas discharge enables instant light within a few milliseconds. The light output shows no temperature dependence as well as a steady light emission. Since OSRAM patented internal electrodes are used no high voltage isolation is needed.
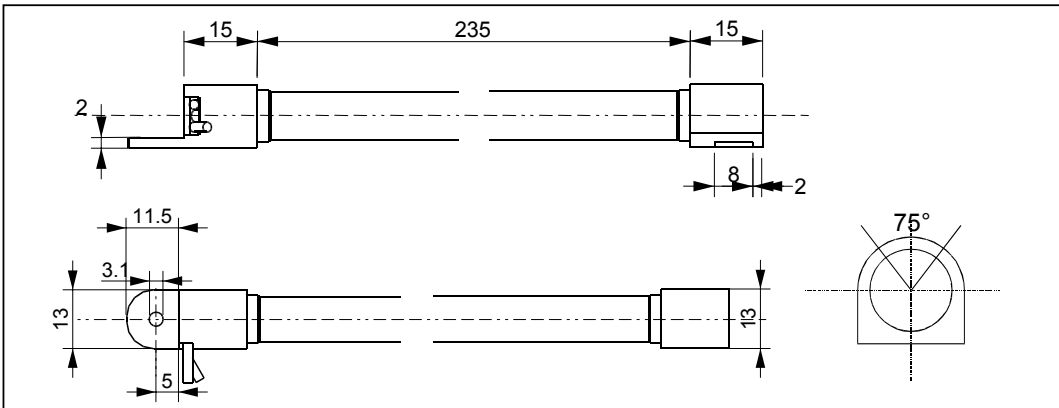
■ Lamp technical data [1]

Order reference		LX24T3/956/A4
System power consumption	W	24
Lamp operating frequency	KHz	> 80
Rated lamp voltage	KV	< 3
Illuminance [2]	Lx	48,000
Color coordinates [2]: x / y		0.324 / 0.336
Maintenance >80%	Hrs.	1000
Lamp weight	g	24
Cable length	mm	230

Lamp overall length Lo	mm	267,5
Inner emission length Li	mm	
80% of center illuminance	mm	180
Outer diameter base D	mm	
Outer diameter glass tube	mm	10.0
Aperture α	deg.	75

[1] ambient room temperature of 25°C
[2] measured at a distance of 8mm from the aperture by Minolta T-1M

Note: lamp base design on customer request possible

■ DC-HV inverter technical data [1]

Order reference		QT LINEX® 1x24/24
Inverter size	Mm	135 (L) x 40 (W) x 28 (H)
Inverter weight	G	110
Nominal/Min./Max. input voltage	Vdc	24 / 21.6 / 26.4
Nominal/Maximum input current	A	1.0 / 1.1
Typical input inrush current [3]	A	2

[3] switch on by lamp enable

The inverter provides an electrical pulse wave to the lamp.
The lamp system is covered by one or more of the following patents:
WO 94/23442, WO 98/49712. Other patents not listed may apply or pending.

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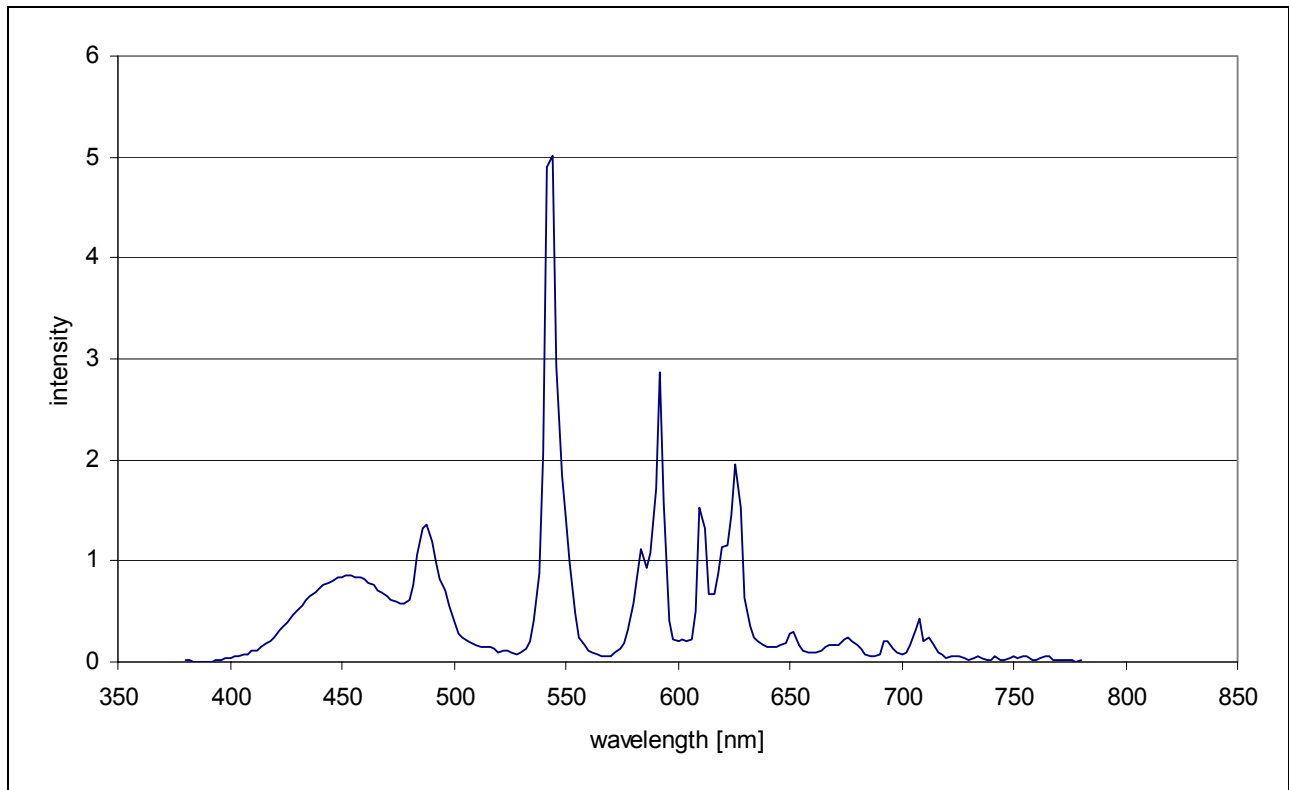Supersedes:
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■ Lamp spectrum

■ Connection drawing
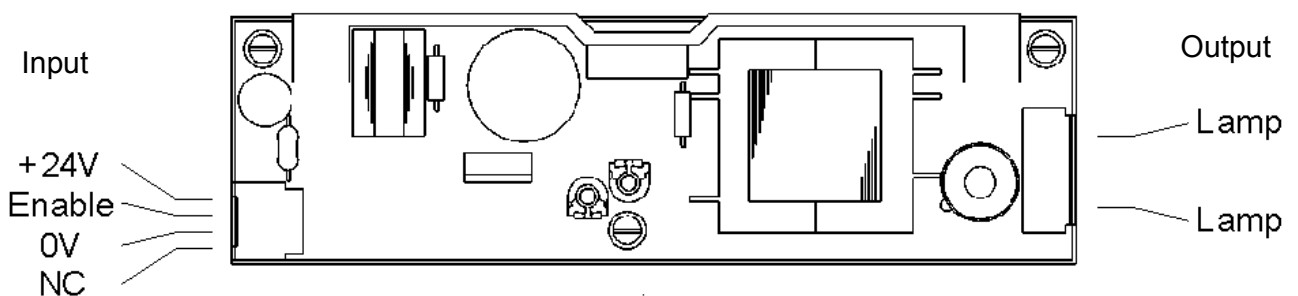
+24V	input voltage
Enable	connected to ground = operating open = non operating
0V	ground
NC	not connected

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