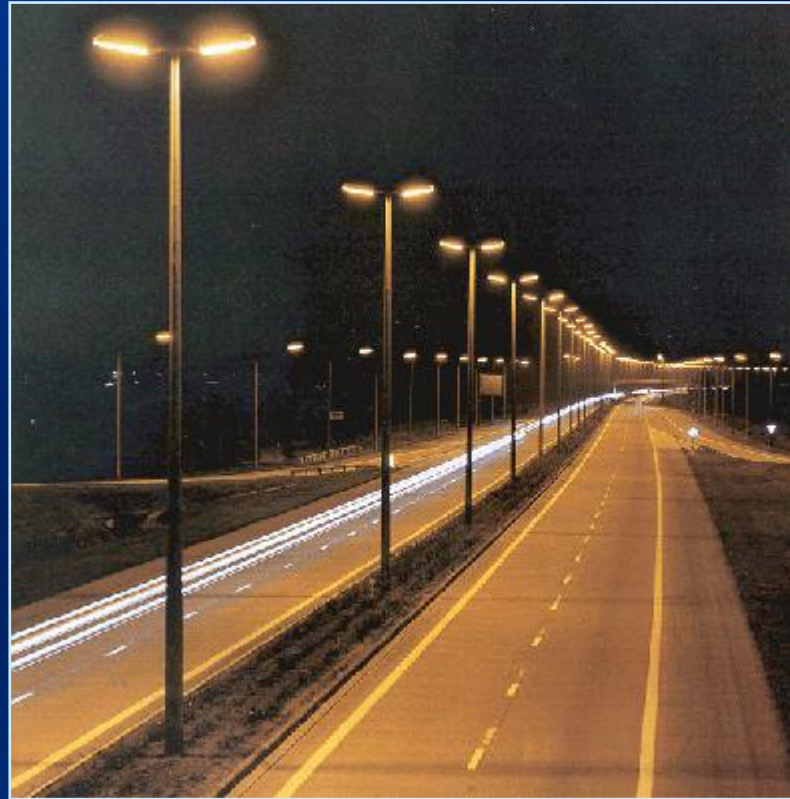


SOX

low pressure sodium



“the ultimate light efficacy”

Let's make things better.



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Low pressure Sodium

Introduction:

SOX lamps have a U-shaped discharge tube in an evacuated tubular outer bulb that is coated with an Infra-red Reflective Layer.

They have extremely high luminous efficacy and exhibit a **monochromatic yellow colour**, so no colour rendering. SOX lamps use either a ballast and an ignitor, a leak-transformer, or HF electronic gear

Low Pressure Sodium

Lamps exist in

two families:



MASTER SOX-E



SOX Pro

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Application areas:

Road lighting

- Road lighting
- Tunnel lighting
- Marshalling yards
- Railway crossings

Area lighting

- Airports
- Industrial areas
- Harbours and docks
- Security and orientation lighting

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Low pressure Sodium

Benefits & Features

SOX Pro :

Benefits:	Features:
<ul style="list-style-type: none">• Better lumen and Watt maintenance• Higher efficacy• Longer life	<ul style="list-style-type: none">• Unique dimples spread evenly over the length of the discharge tube
<ul style="list-style-type: none">▪ No early failures when sodium moves behind the electrodes• Avoids lamp breakage caused by traffic or natural vibration	<ul style="list-style-type: none">• Sodium resistant lead in wire construction NiFeCr-alloy• Arc tube support construction SOX 180W and SOX-E 131W

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Low pressure Sodium Benefits & Features

MASTER SOX-E :

Benefits:

- Has the **same Benefits** as the SOX Pro
- Even higher lamp efficiencies
- The highest lamp efficiency within the HID product portfolio.

Features:

- Has the **same Features** as the SOX Pro
- Improved thermal insulation as compared to SOX Pro lamps

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Low pressure Sodium Range Overview

Type designation	Light Output (lm)	Efficacy (lm/W)	Lamp Base
MASTER SOX-E 18W	1800	99	BY22d
MASTER SOX-E 26W	3600	137	BY22d
MASTER SOX-E 36W	6100	160	BY22d
MASTER SOX-E 66W	10500	165	BY22d
MASTER SOX-E 91W	17000	189	BY22d
MASTER SOX-E 131W	26000	203	BY22d
SOX Pro 35W	4550	123	BY22d
SOX Pro 55W	7800	140	BY22d
SOX Pro 90W	14300	146	BY22d
SOX Pro 135W	22600	161	BY22d
SOX Pro 180W	32000	179	BY22d

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Low pressure Sodium Technical Specification

Type designation	Colour Temp. (K)	Service lifetime
MASTER SOX-E 18W	1800	14000
MASTER SOX-E 26W	1800	14000
MASTER SOX-E 36W	1800	14000
MASTER SOX-E 66W	1800	14000
MASTER SOX-E 91W	1800	14000
MASTER SOX-E 131W	1800	14000
SOX Pro 35W	1800	12000
SOX Pro 55W	1800	12000
SOX Pro 90W	1800	12000
SOX Pro 135W	1800	12000
SOX Pro 180W	1800	12000

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Low pressure Sodium – SOX Pro Range



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Low pressure Sodium – MASTER SOX-E Range



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Low pressure Sodium - References



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