

Product Description

SOX

Low Pressure Sodium lamp

Benefits

- High luminous efficacy leads to low energy consumption

Features

- Uniform sodium distribution in the discharge tube by means of dimples for a more stable discharge, higher efficacy and better lumen maintenance and lamp life
- Monochromatic yellow colour with non-existent colour rendering

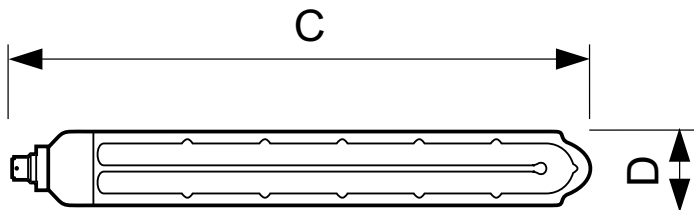
Application

- Road lighting, railway marshalling yards and crossings, airports, harbours and docks, quarries, foundries and rolling mills
- Security and orientation lighting

Versions



Dimensional drawing



| Product | D (max) | C (max) |
|----------------------|---------|---------|
| SOX 90W BY22d 1SL/12 | 66 mm | 528 mm |
| SOX 55W BY22d 1SL/12 | 52 mm | 425 mm |
| SOX 35W BY22d 1SL/12 | 52 mm | 311 mm |

Approval and Application

| | |
|----------------------------|------|
| Mercury (Hg) Content (Nom) | 0 mg |
|----------------------------|------|

Controls and Dimming

| | |
|----------|----|
| Dimmable | no |
|----------|----|

General Information

| | |
|----------------------------|---------|
| Cap-Base | BY22D |
| Life To 20% Failures (Nom) | 12000 h |
| Life To 50% Failures (Nom) | 18000 h |
| Life To 5% Failures (Nom) | 6000 h |

Luminaire Design Requirements

| | |
|------------------------|--------|
| Bulb Temperature (Max) | 150 °C |
|------------------------|--------|

Light Technical

| | |
|-------------------------------------|--------|
| Correlated Colour Temperature (Nom) | 1800 K |
|-------------------------------------|--------|

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Energy Efficiency Label (EEL) |
|------------|----------------------|-------------------------------|-------------------------------|
| 17973915 | SOX 35W BY22d 1SL/12 | 43 kWh | A+ |
| 17975315 | SOX 55W BY22d 1SL/12 | 64 kWh | A++ |
| 17977715 | SOX 90W BY22d 1SL/12 | 105 kWh | A++ |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current | | Power (Rated) | |
|------------|----------------------|--------------|---------------|---------------|-------|
| | | (Nom) | Voltage (Nom) | (Nom) | (Nom) |
| 17973915 | SOX 35W BY22d 1SL/12 | 0.53 A | 70 V | 37 W | |
| 17975315 | SOX 55W BY22d 1SL/12 | 0.51 A | 109 V | 56.0 W | |

| Order Code | Full Product Name | Lamp Current | | Power (Rated) | |
|------------|----------------------|--------------|---------------|---------------|-------|
| | | (Nom) | Voltage (Nom) | (Nom) | (Nom) |
| 17977715 | SOX 90W BY22d 1SL/12 | 0.82 A | 112 V | 91.0 W | |

General Information

| Order Code | Full Product Name | Operating Position |
|------------|----------------------|--------------------|
| 17973915 | SOX 35W BY22d 1SL/12 | H110 |
| 17975315 | SOX 55W BY22d 1SL/12 | H110 |

| Order Code | Full Product Name | Operating Position |
|------------|----------------------|--------------------|
| 17977715 | SOX 90W BY22d 1SL/12 | P20 |

Light Technical

| Order Code | Full Product Name | Lumen Maintenance 2000 h (Nom) | Lumen Maintenance 5000 h (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Nom) |
|------------|----------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------|
| 17973915 | SOX 35W BY22d 1SL/12 | 95 % | 90 % | 129 lm/W | 4550 lm |
| 17975315 | SOX 55W BY22d 1SL/12 | 102 % | 100 % | 140 lm/W | 7800 lm |

| Order Code | Full Product Name | Lumen Maintenance 2000 h (Nom) | Lumen Maintenance 5000 h (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux (Rated) (Nom) |
|------------|----------------------|--------------------------------|--------------------------------|---------------------------------|-----------------------------|
| 17977715 | SOX 90W BY22d 1SL/12 | 95 % | 90 % | 150 lm/W | 13600 lm |

Mechanical and Housing

| Order Code | Full Product Name | Bulb Shape |
|------------|----------------------|------------|
| 17973915 | SOX 35W BY22d 1SL/12 | T50 |
| 17975315 | SOX 55W BY22d 1SL/12 | T50 |

| Order Code | Full Product Name | Bulb Shape |
|------------|----------------------|------------|
| 17977715 | SOX 90W BY22d 1SL/12 | T65 |

