



The new halogen linear – compact shape, crisp white light

Plusline ES Compact

Mains-voltage halogen linear lamp with superior quality and reliability. Offers very long lifetime and crisp halogen light. Ideal solution for decorative luminaires.

Benefits

- Bright, sparkling halogen light to create the right atmosphere
- Fully dimmable, from 0 to 100%, to meet different brightness requirements
- Lower replacement cost due to longer burning hours

Features

- Superior quality of light with excellent color rendering (Ra=100)
- Same size for direct replacement of existing halogen lamps
- Lifetime: 2000 hours
- Universal burning position

Application

- General lighting in shops, restaurants, hotels, galleries, exhibitions and museums.
Decorative outdoor: billboards, exhibitions and parking areas

Plusline ES Compact

Versions



R7s/18, T11

Dimensional drawing



| Product | D (max) | B (max) | B | B (min) | C (max) |
|---------------------------------------|---------|---------|---------|---------|---------|
| Plusline 78mm 2y 48W R7s 230V 1BB | 11 mm | 76.5 mm | 74.9 mm | 73.3 mm | 78 mm |
| Plusline 78mm 2y 80W R7s 230V 1BB | 11 mm | 76.5 mm | 74.9 mm | 73.3 mm | 78 mm |
| Plusline 78mm 2y 120W R7s 230V 1BB | 11 mm | 76.5 mm | 74.9 mm | 73.3 mm | 78 mm |

Plusline ES Compact

Approval and Application

| | |
|-------------------------------|---|
| Energy Efficiency Label (EEL) | D |
|-------------------------------|---|

Controls and Dimming

| | |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Operating and Electrical

| | |
|---------------------------------|--------------------|
| Voltage (Nom) | 230 V |
| Starting Time (Nom) | 0.0 s |
| Warm Up Time To 60% Light (Nom) | instant full light |

General Information

| | |
|------------------------|-----------|
| Cap-Base | R7S |
| Nominal Lifetime (Nom) | 2000 h |
| Operating Position | UNIVERSAL |
| Rated Lifetime (Hours) | 2000 h |
| Switching Cycle | 8000X |

Luminaire Design Requirements

| | |
|------------------------|--------|
| Bulb Temperature (Max) | 900 °C |
|------------------------|--------|

Light Technical

| | |
|---------------------------------------|--------|
| Correlated Color Temperature (Nom) | 2900 K |
| Color Rendering Index (Nom) | 100 |
| Llmf At End Of Nominal Lifetime (Min) | 80 % |

Mechanical and Housing

| | |
|-------------|-------|
| Bulb Finish | Clear |
| Bulb Shape | T11 |

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h |
|--------------|------------------------------------|-------------------------------|
| 924587044210 | Plusline 78mm 2y 48W R7s 230V 1BB | 48 kWh |
| 924587144210 | Plusline 78mm 2y 80W R7s 230V 1BB | 80 kWh |
| 924587244210 | Plusline 78mm 2y 120W R7s 230V 1BB | 120 kWh |

Operating and Electrical

| Order Code | Full Product Name | Lamp Current (Nom) | Power (Rated) (Nom) |
|--------------|-----------------------------------|--------------------|---------------------|
| 924587044210 | Plusline 78mm 2y 48W R7s 230V 1BB | 0.21 A | 48.0 W |
| 924587144210 | Plusline 78mm 2y 80W R7s 230V 1BB | 0.35 A | 80.0 W |

| Order Code | Full Product Name | Lamp Current (Nom) | Power (Rated) (Nom) |
|--------------|------------------------------------|--------------------|---------------------|
| 924587244210 | Plusline 78mm 2y 120W R7s 230V 1BB | 0.52 A | 120 W |

Light Technical

| Order Code | Full Product Name | Luminous | | |
|--------------|-----------------------------------|------------------------|---------------------|-----------------------------|
| | | Efficacy (rated) (Nom) | Luminous Flux (Nom) | Luminous Flux (Rated) (Nom) |
| 924587044210 | Plusline 78mm 2y 48W R7s 230V 1BB | 15.6 lm/W | 780 lm | 750 lm |
| 924587144210 | Plusline 78mm 2y 80W R7s 230V 1BB | 17.5 lm/W | 1415 lm | 1415 lm |

| Order Code | Full Product Name | Luminous | | |
|--------------|------------------------------------|------------------------|---------------------|-----------------------------|
| | | Efficacy (rated) (Nom) | Luminous Flux (Nom) | Luminous Flux (Rated) (Nom) |
| 924587244210 | Plusline 78mm 2y 120W R7s 230V 1BB | 18.5 lm/W | 2220 lm | 2220 lm |

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