

# 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

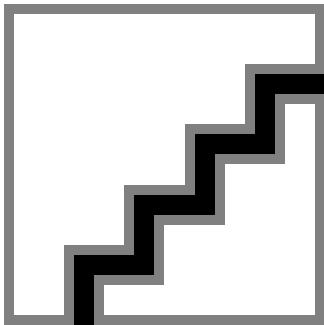
- Superior quality of light with excellent color rendering (Ra=100)
- Same size for direct replacement of existing halogen lamps
- Lifetime: 2000 hours
- Universal burning position

### Application

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

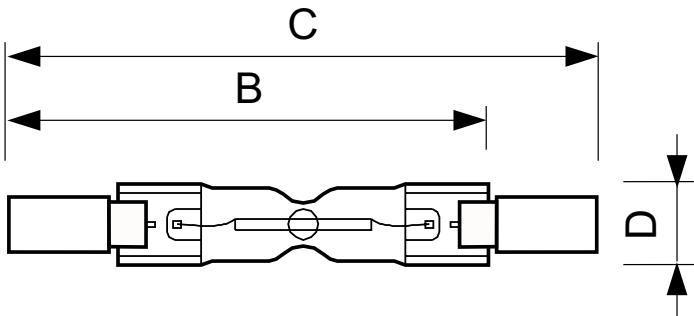
# Plusline ES Compact

## Versions



R7s/18, T11

## Dimensional drawing



| Product                               | D (max) | B (max) | B       | B (min) | C (max) |
|---------------------------------------|---------|---------|---------|---------|---------|
| Plusline 78mm 2y 120W R7s<br>230V 1BB | 11 mm   | 76.5 mm | 74.9 mm | 73.3 mm | 78 mm   |
| Plusline 78mm 2y 48W R7s<br>230V 1BB  | 11 mm   | 76.5 mm | 74.9 mm | 73.3 mm | 78 mm   |
| Plusline 78mm 2y 80W R7s<br>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 |                                    | Energy Consumption kWh/1000 h |
|--------------------------|------------------------------------|-------------------------------|
| Order Code               | Full Product Name                  | Energy Consumption kWh/1000 h |
| 85231800                 | Plusline 78mm 2y 48W R7s 230V 1BB  | 48 kWh                        |
| 85228800                 | Plusline 78mm 2y 80W R7s 230V 1BB  | 80 kWh                        |
| 85223300                 | Plusline 78mm 2y 120W R7s 230V 1BB | 120 kWh                       |

## Operating and Electrical

| Order Code | Full Product Name                 | Lamp Current (Nom) | Power (Rated) (Nom) |
|------------|-----------------------------------|--------------------|---------------------|
| 85231800   | Plusline 78mm 2y 48W R7s 230V 1BB | 0.21 A             | 48.0 W              |
| 85228800   | Plusline 78mm 2y 80W R7s 230V 1BB | 0.35 A             | 80.0 W              |

| Order Code | Full Product Name                  | Lamp Current (Nom) | Power (Rated) (Nom) |
|------------|------------------------------------|--------------------|---------------------|
| 85223300   | 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) | Luminous Flux (Nom) |
| 85231800   | Plusline 78mm 2y 48W R7s 230V 1BB | 15.6 lm/W                       | 780 lm                | 750 lm              |
| 85228800   | 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) | Luminous Flux (Nom) |
| 85223300   | Plusline 78mm 2y 120W R7s 230V 1BB | 18.5 lm/W                       | 2220 lm               | 2220 lm             |

