



# Long-lasting, reliable solution

HID-Basic BSN/BMH MK4 semi-parallel for SON/CDO/CDM/MH/HPI

Impregnated electromagnetic copper ballasts for use with an external semi-parallel ignitor for CDM, CDO, MH, HPI (Plus) and SON lamps

## Benefits

- System design: one ignitor SKD578 can trigger all lamps from 35 to 600 W
- Long-lasting reliable solution protected from overheating; better for hot environments than its predecessors; extended warranty
- Minimal watt losses thanks to orthocyclic winding process

## Features

- Improved thermal features – much cooler ballast
- All ballasts are equipped with ThermoSwitch for protection against end-of-lamp-life phenomena
- Ballast can also be used in combination with series (superimposed) ignitor
- Equipped with screw terminal blocks as standard; insert contacts available upon request
- Ballasts for alternative mains voltages/frequencies available upon request

## Application

- Outdoor lighting
- Horticulture

## System

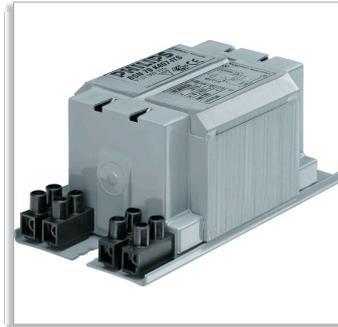
- Electromagnetic system requires ballast, ignitor and capacitor
- Semi-parallel circuit: if ballasts with “L” in their description (e.g. BSN 100 L307...) are used, SN(D)... ignitors are required; if ballasts with “K” in their description (e.g. BSN 100 K307...) are used, SK(D)... ignitors are required. Capacitor value to match system power can be found on lamp/ballast combination sheet.
- Series circuit: all ballasts are designed to work with series ignitors
- No ignitor needed for SON-I lamps

**PHILIPS**

Related products



BSN 50 BC1-118



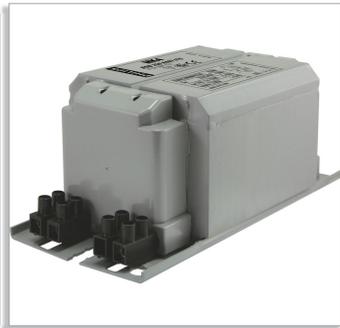
BSN 50 & 50/70 BC1-118



BSN 50/70, 70/100 & 100 BC1-118/123



BSN 150/100 & 150 BC2-126/134



BSN 150/250 & 250 BC2-151/160

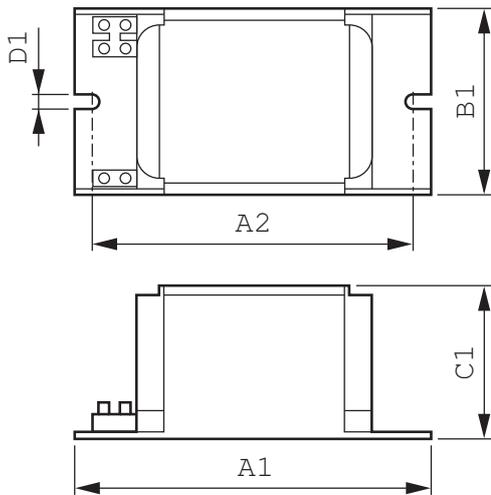


BSN 150/250 & 250 BC2-151/160



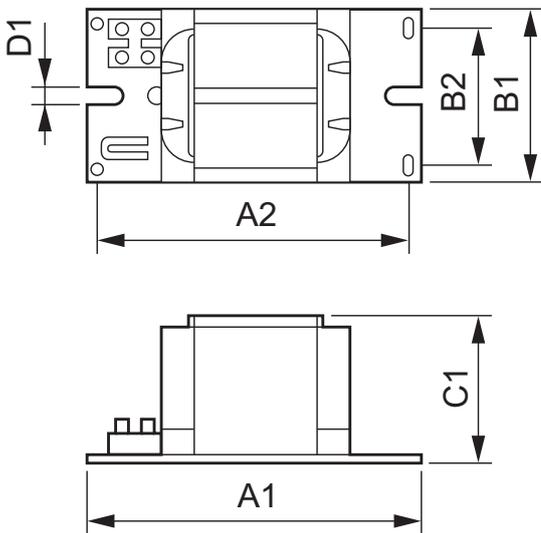
BSN 400 BC3-166

Dimensional drawing



BSN 50 K407-ITS 230/240V 50Hz BC1-118

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	C1 (Norm)	D1 (Norm)
BSN 50 K407-ITS 230/240V 50Hz BC1-118	118.0	94.0	61.0	52.0	6.2
BSN 50 K427-ITS 230/240V 50Hz BC1-118	118.0	94.0	61.0	52.0	6.2
BSN 70 K407-ITS 230/240V 50Hz BC1-118	118.0	94.0	61.0	52.0	6.2
BSN 70 K427-ITS 230/240V 50Hz BC1-118	118.0	94.0	61.0	52.0	6.2
BSN 100 K407-ITS 230/240V 50Hz BC1-123	123.0	98.0	61.0	52.0	6.2
BSN 100 K427-ITS 230/240V 50Hz BC1-123	123.0	98.0	61.0	52.0	6.2
BSN 150 K407-ITS 230/240V 50Hz BC2-134	134.0	113.0	76.0	65.0	6.2
BSN 150 K427-ITS 230/240V 50Hz BC2-134	134.0	113.0	76.0	65.0	6.2
BSN 250 K407-ITS 230/240V 50Hz BC2-160	160.0	139.0	76.0	65.0	6.2
BSN 250 K427-ITS 230/240V 50Hz BC2-160	160.0	139.0	76.0	65.0	6.2
BSN 100 K302-I 230V 50Hz BC1-123	123.0	98.0	61.0	52.0	6.2
BSN 400 K302-I 230V 50Hz BC3-166	166.0	144.0	97.0	83.0	6.3
BSN 70 K302-I 230V 50Hz BC1-118	118.0	94.0	61.0	52.0	6.2
BSN 250 K302-I 230V 50Hz BC2-151	157.0	129.0	76.0	65.0	6.2
BSN 70 K301-ITS BC1-118	118.0	94.0	61.0	52.0	6.2



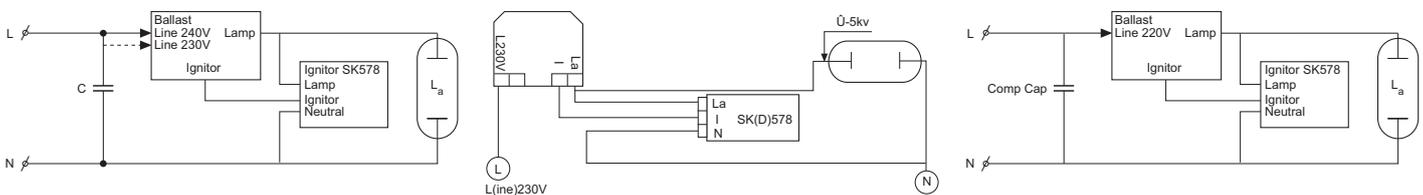
BSN 400 K407-ITS 230/240V 50Hz BC3-166

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	D1 (Norm)
BSN 400 K407-ITS 230/240V 50Hz BC3-166	166.0	145.0	97.0	78.5	83.0	6.5
BSN 400 K407-ITS 230/240V 50Hz BC3-166	166.0	145.0	97.0	78.5	83.0	6.5

General Characteristics

Order code	Full product name	Application code	Rated Lamp-type	Rated Number of Lamps	Rated Ballast-Lamp Power	Line Voltage	Line Frequency
913700276826	BSN 50 K407-ITS 230/240V 50Hz BC1-118	K407-ITS	SON/CDO	1 piece	50	230/240 V	50 Hz
913700276927	BSN 50 K427-ITS 230/240V 50Hz BC1-118	K427-ITS	SON/CDO	1 piece	50	230/240 V	50 Hz
913700277026	BSN 70 K407-ITS 230/240V 50Hz BC1-118	K407-ITS	SON/CDO	1 piece	70	230/240 V	50 Hz
913700277127	BSN 70 K427-ITS 230/240V 50Hz BC1-118	K427-ITS	SON/MH/CDM/CDO	1 piece	70	230/240 V	50 Hz
913700282626	BSN 70 K302-I 230V 50Hz BC1-118	K302-I	-	1 piece	70	230 V	50 Hz
913700293026	BSN 70 K301-ITS 220V 60Hz BC1-118	K301-ITS	SON	1 piece	70	220 V	60 Hz
913700277226	BSN 100 K407-ITS 230/240V 50Hz BC1-123	K407-ITS	SON/CDO	1 piece	100	230/240 V	50 Hz
913700277327	BSN 100 K427-ITS 230/240V 50Hz BC1-123	K427-ITS	SON/CDO	1 piece	100	230/240 V	50 Hz
913700281726	BSN 100 K302-I 230V 50Hz BC1-123	K302-I	-	1 piece	100	230 V	50 Hz
913700277426	BSN 150 K407-ITS 230/240V 50Hz BC2-134	K407-ITS	SON/MH/CDM/CDO	1 piece	150	230/240 V	50 Hz
913700277527	BSN 150 K427-ITS 230/240V 50Hz BC2-134	K427-ITS	SON/MH/CDM/CDO	1 piece	150	230/240 V	50 Hz
913700277626	BSN 250 K407-ITS 230/240V 50Hz BC2-160	K407-ITS	SON/MH/CDM/CDO	1 piece	250	230/240 V	50 Hz
913700277727	BSN 250 K427-ITS 230/240V 50Hz BC2-160	K427-ITS	SON/MH/CDM/CDO	1 piece	250	230/240 V	50 Hz
913700283126	BSN 250 K302-I 230V 50Hz BC2-151	K302-I	-	1 piece	250	230 V	50 Hz
913700281926	BSN 400 K302-I 230V 50Hz BC3-166	K302-I	-	1 piece	400	230 V	50 Hz
913700277826	BSN 400 K407-ITS 230/240V 50Hz BC3-166	K407-ITS	SON/HPI	1 piece	400	230/240 V	50 Hz
913700277827	BSN 400 K407-ITS 230/240V 50Hz BC3-166	K407-ITS	SON/HPI	1 piece	400	230/240 V	50 Hz

Wiring data



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2015, November 7  
data subject to change