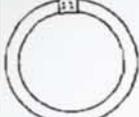
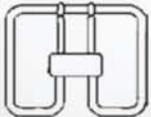


Non Dimming Fluorescent Ballasts

Lamp Type	外型	常用功率
T5		T5HE: 14W, 21W, 28W, 35W T5HO: 24W, 39W, 49W, 54W, 80W
T8		T8 European Version: 18W, 30W, 36W, 58W, 70W T8 North American Version: 15W, 17W, 25W, 32W
TC-L(PL)		18W, 24W, 36W, 55W, 80W
TC-F(PL)		18W, 24W, 36W, 55W
TC-SEL(PLC)		5W, 7W, 9W, 11W, 13W
TC-DEL(PLC)		11W, 13W, 18W, 26W, 32W
TC-TEL(PLC)		18W, 26W, 32W, 42W, 57W, 70W
T5-FC(2C)		22W, 28W, 40W, 55W, 65W
T8-FC(2C)		22W, 32W, 40W
TC-Q(2D)		10W, 16W, 21W, 28W, 55W, 65W

Non Dimming Fluorescent Ballasts

Item : **BF1008**

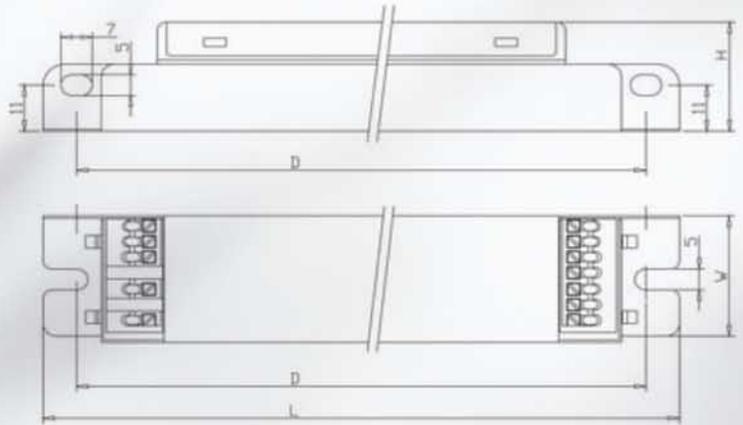
For T5 HE: 14, 21, 28, 35 Watts - 1 or 2 lamps



Specifications:

- Universal input voltage (100-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor($\lambda >0.98^*$)
- Defined Lamp friendly warm start within 1.5 s with AC and 0.6s with DC
- High luminous efficacy
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement
- Operating frequency $>\sim 40\text{kHz}$
- Operating temperature($t_a = -20 \rightarrow +50^\circ\text{C}$)

Dimensions:



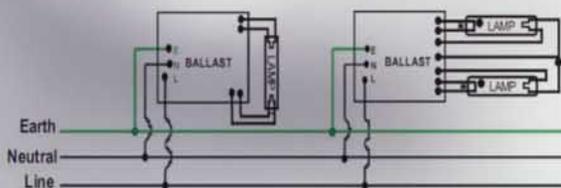
LxWxH=400x30x26(MM), D=385 (MM)

Technical data:

Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	1	-	2	-
Lamp Power	14 x 1	-	35 x 2	W
Input Power	15.4	-	77	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.12A@120V	0.33A@230V	0.27A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^\circ\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^\circ\text{C}$
Average Service Life	50,000	-	-	Hours

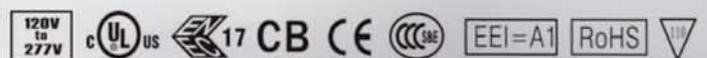
*Valid at ambient temperature of 25°C

Wiring Diagram:



Use 18 AWG solid copper wire(dia. 0.5-1.0mm2)
stripped to 5/16" (7.0~8.5mm)
Ballast must be grounded.Use external ground wire.

Approvals:



UL Listed #935
FCC 47CFR Part 18 EMI/RFI
EN 55015, EN 55022
EN 60928, EN 60929
EN 61347-2-3
GB 15143-1994
GB/T 15144-2005

ANSI C82.11 Ballast Standard
ANSI C62.41 Category A
EN 60924 sect.I-II
EN 61000-3-2
EN 61547
GB 17625.1-2003
in accordance with VDE 0108

Non Dimming Fluorescent Ballasts

Item : **BF1015**

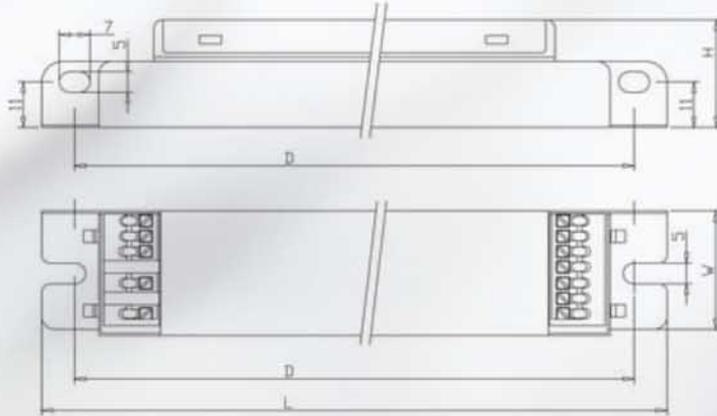
- For T5 HO: 54 W - 3 or 4 lamps
- For TC-L: 55 W - 3 or 4 lamps
- For TC-F: 55 W - 3 or 4 lamps
- For FC12T5: 55 W - 3 or 4 lamps



Specifications:

- Universal input voltage (100-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor($\lambda > 0.98^*$)
- Defined Lamp friendly warm start within 1.5 s with AC and 0.6s with DC
- High luminous efficacy
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement
- Operating frequency $> \sim 40\text{kHz}$
- Operating temperature($t_a = -20 \rightarrow +50^\circ\text{C}$)

Dimensions:



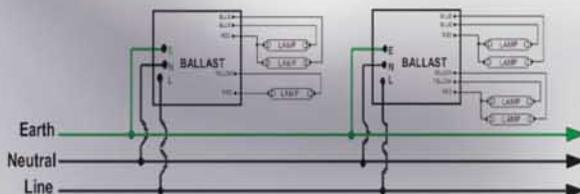
LxWxH=430x58x26(MM), D=415 (MM)

Technical data:

Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	3	-	4	-
Lamp Power	36 x 3	-	55 x 4	W
Input Power	118.8	-	242	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.99A@120V	1.05A@230V	0.87A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^\circ\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^\circ\text{C}$
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25°C

Wiring Diagram:



Ballast has plug in wire trap connectors.
Use 18 AWG solid copper wire(dia. 0.5-1.0mm²)
stripped to 5/16" (7.0-8.5mm)
Ballast must be grounded.Use external ground wire.

Approvals:



UL Listed #935
FCC 47CFR Part 18 EMI/RFI
EN 55015, EN 55022
EN 60928, EN 60929
EN 61347-2-3
GB 15143-1994
GB/T 15144-2005

ANSI C82.11 Ballast Standard
ANSI C62.41 Category A
EN 60924 sect.I-II
EN 61000-3-2
EN 61547
GB 17625.1-2003
in accordance with VDE 0108

Non Dimming Fluorescent Ballasts

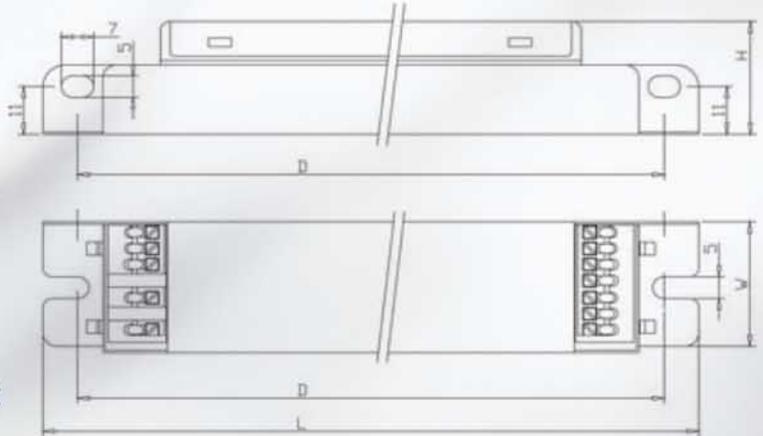
Item : BF1016 For T5 HO: 54 W - 1 or 2 lamps
 For T8: 58 W - 1 or 2 lamps
 For TC-L: 55 W - 1 or 2 lamps



Specifications:

- Universal input voltage (100-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor ($\lambda > 0.98^*$)
- Defined Lamp friendly warm start within 1.5 s with AC and 0.6s with DC
- High luminous efficacy
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement
- Operating frequency $> \sim 40\text{kHz}$
- Operating temperature ($t_a = -20 \rightarrow +50^\circ\text{C}$)

Dimensions:



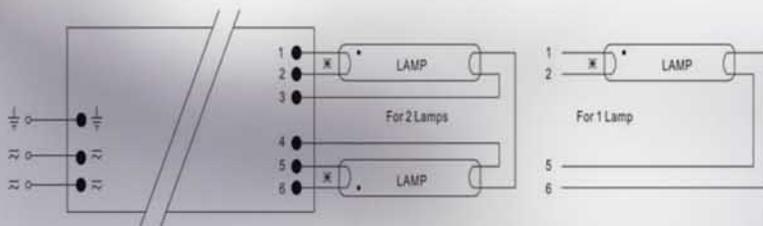
LxWxH=400x30x26(MM). D=385 (MM)

Technical data:

Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	2	-	2	-
Lamp Power	50 x 2	-	58 x 2	W
Input Power	110	-	127.6	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.91A@120V	0.55A@230V	0.46A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^\circ\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^\circ\text{C}$
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25 $^\circ\text{C}$

Wiring Diagram:



Ballast has plug in wire trap connectors.
 Use 18 AWG solid copper wire(dia. 0.5-1.0mm2)
 stripped to 5/16" (7.0~8.5mm)
 Ballast must be grounded.Use external ground wire.

Approvals:



UL Listed #935
 FCC 47CFR Part 18 EMI/RFI
 EN 55015, EN 55022
 EN 60928, EN 60929
 EN 61347-2-3
 GB 15143-1994
 GB/T 15144-2005

ANSI C82.11 Ballast Standard
 ANSI C62.41 Category A
 EN 60924 sect.I-II
 EN 61000-3-2
 EN 61547
 GB 17625.1-2003
 in accordance with VDE 0108

Non Dimming Fluorescent Ballasts

Item : **BF1021**

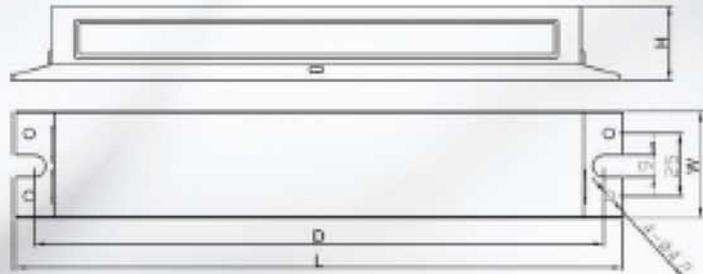
For T8: 15, 17, 18, 25, 30, 32, 36 W - 1 or 2 lamps



Specifications:

- Universal input voltage (100-277VAC)
- High power factor($\lambda > 0.98^*$)
- Rapid start
- High luminous efficacy
- Instant start class P products, type 1 outdoor
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Operating temperature($t_a = -20 \rightarrow +50^\circ\text{C}$)

Dimensions:



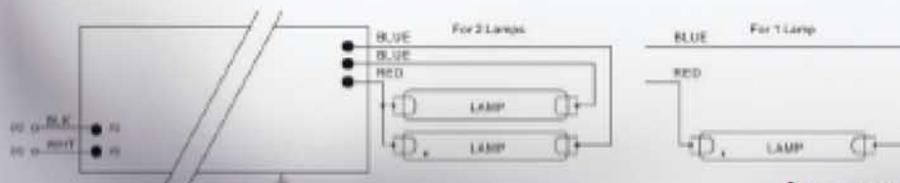
LxWxH=240x43x26(MM), D=230 (MM)

Technical data:

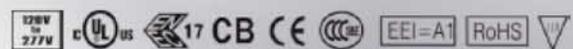
Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	1	-	2	-
Lamp Power	15x 1	-	36x 2	W
Input Power	16.5	-	79.2	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
Input Frequency	-	50-60	-	Hz
Input Current	0.14A@120V	0.34A@230V	0.28A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^\circ\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^\circ\text{C}$
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25 $^\circ\text{C}$

Wiring Diagram:



Approvals:



UL Listed #935	ANSI C82.11 Ballast Standard
FCC 47CFR Part 18 EMI/RFI	ANSI C82.41 Category A
EN 55015, EN 55022	EN 60924 sect. I-II
EN 60928, EN 60929	EN 61000-3-2
EN 61347-2-3	EN 61547
GB 15143-1994	GB 17625.1-2003
GB/T 15144-2005	in accordance with VDE 0108

Ballast has plug in wire trap connectors.

Use 18 AWG solid copper wire (dia. 0.5-1.0mm2) stripped to 5/16" (7.0~8.5mm)

Ballast must be grounded. Use external ground wire.

Non Dimming Fluorescent Ballasts

Item : **BF1022**

For T8: 15, 17, 18, 25, 30, 32, 36 W - 3 or 4 lamps



Dimensions:



LxWxH=240x43x30(MM), D=230 (MM)

Specifications:

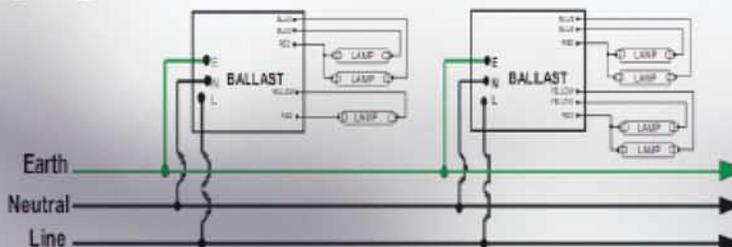
- Universal input voltage (100-277VAC)
- High power factor($\lambda > 0.98^*$)
- Rapid start
- High luminous efficacy
- Instant start class P products, type 1 outdoor
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Operating temperature($t_a = -20 \rightarrow +50^{\circ}\text{C}$)

Technical data:

Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	3	-	4	-
Lamp Power	15x 3	-	36x 4	W
Input Power	49.5	-	158.4	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
Input Frequency	-	50-60	-	Hz
Input Current	0.41A@120V	0.69A@230V	0.57A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^{\circ}\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^{\circ}\text{C}$
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25 $^{\circ}\text{C}$

Wiring Diagram:



Ballast has plug in wire trap connectors.
 Use 18 AWG solid copper wire(dia. 0.5-1.0mm²)
 stripped to 5/16" (7.0~8.5mm)
 Ballast must be grounded.Use external ground wire.

Approvals:

-
- | | |
|---------------------------|------------------------------|
| UL Listed #935 | ANSI C82.11 Ballast Standard |
| FCC 47CFR Part 18 EMI/RFI | ANSI C82.41 Category A |
| EN 55015,EN 55022 | EN 60924 sect.I-II |
| EN 60928,EN 60929 | EN 61000-3-2 |
| EN 61347-2-3 | EN 61547 |
| GB 15143-1994 | GB 17625.1-2003 |
| GB/T 15144-2005 | in accordance with VDE 0108 |

Non Dimming Fluorescent Ballasts

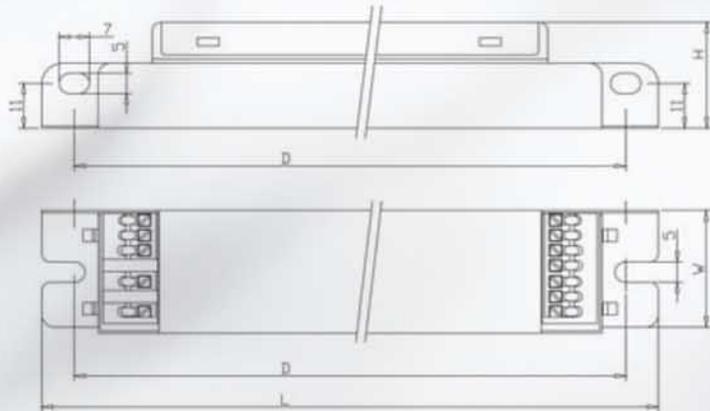
Item : BF1024 Program Start
For T5 HO: 24, 39 W - 1 or 2 lamps
For T8: 15, 17, 18, 25, 30, 32, 36, 38 W - 1 or 2 lamps
For TC-L: 18, 24, 36, 40 W - 1 or 2 lamps
For TC-F: 18, 24, 36, 40 W - 1 or 2 lamps



Specifications:

- Universal input voltage (120-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor($\lambda > 0.98^*$)
- Defined Lamp friendly warm start within 1.5 s with AC
- High luminous efficacy
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement

Dimensions:



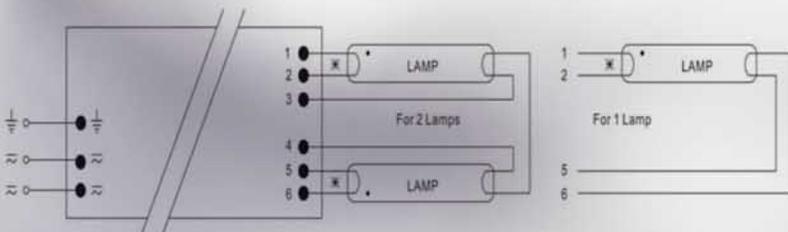
LxWxH=400x30x26(MM), D=385 (MM)

Technical data:

Parameter	Min.*	Nom.*	Max.	Unit
Number Of Lamps	1	-	2	-
Lamp Power	18 x 1	-	40 x 2	W
Input Power	19.8	-	88	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.17A@120V	0.38A@230V	0.31A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ta)	-20	-	50	°C
Maximum Case Temperature(@tc)	-	-	75	°C
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25°C

Wiring Diagram:



Ballast has plug in wire trap connectors.
 Use 18 AWG solid copper wire(dia. 0.5-1.0mm²)
 stripped to 5/16" (7.0~8.5mm)
 Ballast must be grounded.Use external ground wire.

Approvals:










UL Listed #935
 FCC 47CFR Part 18 EMI/RFI
 EN 55015, EN 55022
 EN 60928, EN 60929
 EN 61347-2-3
 GB 15143-1994
 GB/T 15144-2005

ANSI C82.11 Ballast Standard
 ANSI C62.41 Category A
 EN 60924 sect.I-II
 EN 61000-3-2
 EN 61547
 GB 17625.1-2003
 in accordance with VDE 010

Non Dimming Fluorescent Ballasts

Item : **BF1038**

For PLC : TC-SEL(1U)/TC-DEL(2U) 13/18/26W - 1 or 2 lamps

PLC : TC-TEL(3U) 32, 42, 57W - 1 lamp

TC-L/TC-F: 18, 24, 27 W - 1 or 2 lamps, 36 W - 1 lamp

T5-FC(2C): 21W - 1 or 2 lamps, 28, 38W - 1 lamp

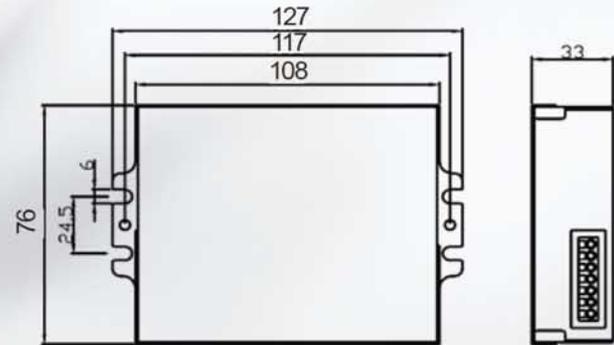
TC-Q(2D): 21W - 1 or 2 lamps, 28, 38W - 1 lamp



Specifications:

- Universal input voltage (100-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor($\lambda > 0.98^*$)
- Defined Lamp friendly warm start within 1.5 s with AC and 0.6s with DC
- High luminous efficacy
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement
- Operating frequency $> \sim 40\text{kHz}$
- Operating temperature($t_a = -20 \rightarrow +50^\circ\text{C}$)

Dimensions:



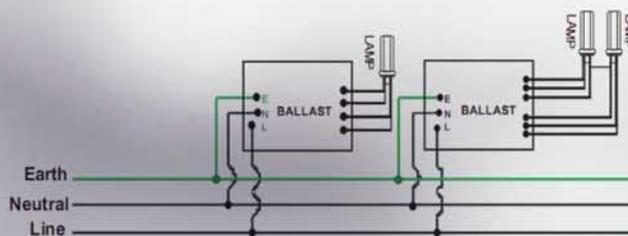
LxWxH=127x76x33(MM)

Technical data:

Parameter	Min.*	Nom.*	Max	Unit
Number Of Lamps	1	-	2	-
Lamp Power	13x 1	-	57 x2	W
Input Power	14.3	-	125.4	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.12A@120V	0.54A@230V	0.45A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^\circ\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^\circ\text{C}$
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25 $^\circ\text{C}$

Wiring Diagram:



Ballast has plug in wire trap connectors.
Use 18 AWG solid copper wire(dia. 0.5-1.0mm²)
stripped to 5/16" (7.0~8.5mm)
Ballast must be grounded.Use external ground wire.

Approvals:



UL Listed #935
FCC 47CFR Part 18 EMI/RFI
EN 55015, EN 55022
EN 60928, EN 60929
EN 61347-2-3
GB 15143-1994
GB/T 15144-2005

ANSI C82.11 Ballast Standard
ANSI C62.41 Category A
EN 60924 sect.I-II
EN 61000-3-2
EN 61547
GB 17625.1-2003
in accordance with VDE 0108

Non Dimming Fluorescent Ballasts

Item : **BF1040**

For PLC: TC-DEL(2U) 26W - 1 or 2 lamps

PLC: TC-TEL(3U) 32, 42W - 1 or 2 lamps, 57, 70 W - 1 lamp

TC-L/TC-F: 24, 27, 36, 40 W - 1 or 2 lamps

T5-FC(2C): 28, 38 W - 1 or 2 lamps

TC-Q(2D): 28, 38 W - 1 or 2 lamps

Specifications:

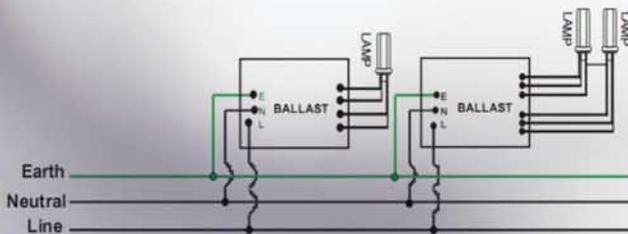
- Universal input voltage (100-277VAC)
- Low harmonic distortion (THD<10%)
- High power factor($\lambda > 0.98^*$)
- Defined Lamp friendly warm start within 1.5 s with AC and 0.6s with DC
- High luminous efficacy
- Virtually eliminates lamp flicker
- Safe shutdown of defective lamps
- Safe shutdown of lamps at end of life
- Automatic restart after lamp replacement
- Operating frequency $> \sim 40\text{kHz}$
- Operating temperature($t_a = -20 \rightarrow +50^\circ\text{C}$)

Technical data:

Parameter	Min.*	Nom.*	Max	Unit
Number Of Lamps	1	-	2	-
Lamp Power	22x 1	-	42 x2	W
Input Power	14.3	-	125.4	W
Rated Input Voltage	100	230	277	V
AC Input Voltage Range	90	-	304	V
DC Input Voltage Range	150	-	304	V
Input Frequency	0	50-60	-	Hz
Input Current	0.12A@120V	0.54A@230V	0.45A@277V	A
Power Factor	0.90	0.98	-	-
Operating Frequency	40	-	120	KHz
Lamp Current Crest Factor	-	-	1.7	-
THD	-	-	10%	-
Operating Ambient Temperature(@ t_a)	-20	-	50	$^\circ\text{C}$
Maximum Case Temperature(@ t_c)	-	-	75	$^\circ\text{C}$
Average Service Life	50,000	-	-	Hours

*Valid at ambient temperature of 25 $^\circ\text{C}$

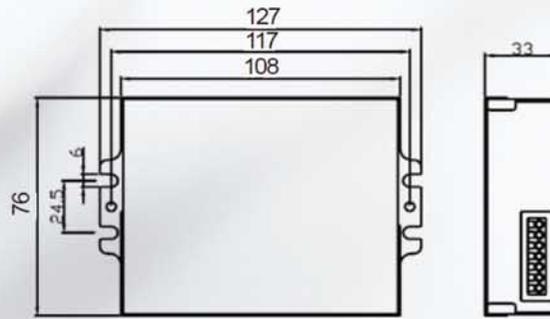
Wiring Diagram:



Ballast has plug in wire trap connectors.
 Use 18 AWG solid copper wire(dia. 0.5-1.0mm2) stripped to 5/16" (7.0~8.5mm)
 Ballast must be grounded. Use external ground wire.



Dimensions:



LxWxH=127x76x33(MM)

Approvals:



UL Listed #935
 FCC 47CFR Part 18 EMI/RFI
 EN 55015, EN 55022
 EN 60928, EN 60929
 EN 61347-2-3
 GB 15143-1994
 GB/T 15144-2005

ANSI C82.11 Ballast Standard
 ANSI C62.41 Category A
 EN 60924 sect. I-II
 EN 61000-3-2
 EN 61547
 GB 17625.1-2003
 in accordance with VDE 0108