



No hassle, one trip installation

Philips Advance High Intensity Discharge (HID) Ballast Replacement Kits

PHILIPS
ADVANCE
sense and simplicity



Installer-friendly HID Ballast replacement kits

Exclusive features assure easy installation and long life... designed with servicing electricians in mind.

Philips Advance offers the industry's widest variety of High Intensity Discharge (HID) replacement ballasts, with a model for virtually every application.

Since Philips Advance HID ballasts are the number one choice of fixture manufacturers, your selection of Philips Advance HID replacement ballasts assures the restoration of any fixture's original performance.

Each Philips Advance ballast is designed and manufactured to meet all ANSI specifications, and each Philips Advance HID core and coil ballast carries the symbol of UL component recognition.



When you select a Philips Advance HID Ballast Replacement Kit, you can be assured of long ballast life and a no-hassle, one-trip installation. All components are packaged in a convenient, easy-to-store carton, along with all necessary mounting hardware and detailed installation instructions.

Each component in a Philips Advance HID kit is specifically engineered and manufactured for long-life performance...your assurance of years of worry-free, maintenance-free ballast operation.

Dry capacitor—no exposed live parts, compact size

Philips Advance Dry Capacitors (included with most ballast kits requiring capacitors) are lightweight and compact for easy fit. No exposed live parts means maximum ease of installation and ultimate safety. High case temperature rating (105°C) assures long-life reliability.

105°C ignitor

Ignitors feature high temperature ratings and SOLID-FIL potting compound for cool operation and extended life. No exposed live parts: rugged thermoplastic casing assures easy installation, with no grounding required.

Pre-wired ignitor—fast installation

Philips Advance pre-wired ignitor system lets you make ballast connections in a matter of seconds. No complicated wiring scheme to decipher. Plug-in ignitor also available for fast ignitor replacement.



Vacuum—pressure impregnated core and coil

Philips Advance process injects silica-filled varnish throughout the precision-wound ballast coil, eliminating air pockets and assuring cooler, quieter, long-life operation.

Installation instructions

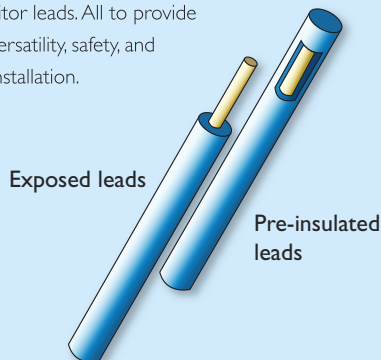
Detailed installation instructions in English and Spanish

Hardware included for variety of applications

Bolt-on mounting brackets provided to adapt ballasts to mountings as needed. Supplied with screws and nuts. Additional special-design brackets also supplied with kits typically used with power-door roadway fixtures.

Pre-insulated input voltage leads—no exposed tabs

All voltage leads are factory installed, with pre-insulated lead ends, and wire nut connectors have been pre-installed on capacitor leads. All to provide greater versatility, safety, and ease of installation.



Convenient kit packaging

All necessary components, hardware and detailed bilingual instructions are packaged in a convenient, space-saving box. Includes NAED/UPC-A bar code for computerized inventory control. Meets UPS shipping requirements.



Philips Advance HID Ballast Replacement Kits

Core and Coil Replacement Kits (71A Series)

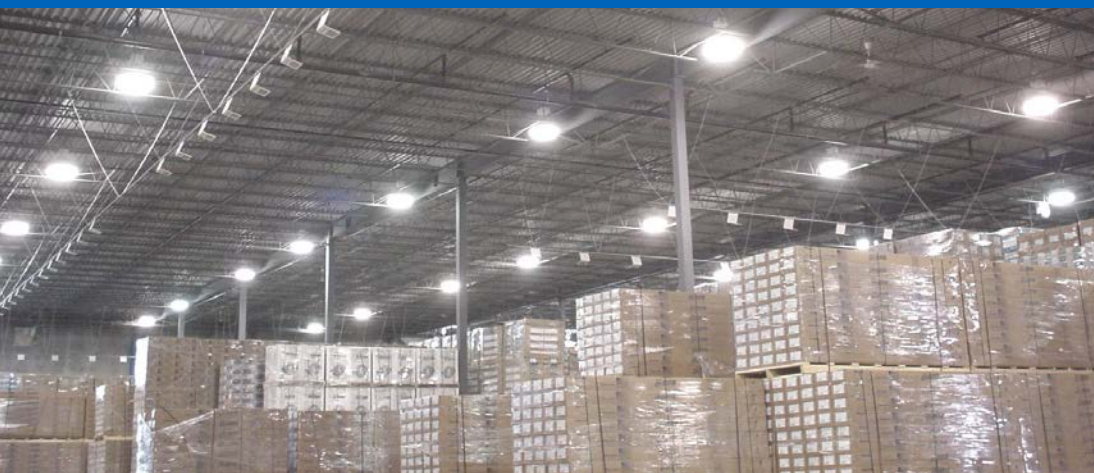
Philips Advance Core & Coil Replacement Kits assure no-hassle installation. Complete kit package of all necessary components, hardware, and instructions makes replacement and retrofit fast, and convenient.



Watts	ANSI	Input Volts	Circuit Type	Frame	Catalog Number	Total Weight (lbs)
Metal Halide						
50	M110	120/277	HX-HPF	3 x 4	71A5181001D	4
50	M110	120/208/240/277	HX-HPF	3 x 4	71A5191001D	4
70	M98/M143	120/208/240/277	HX-HPF	3 x 4	71A5292001D	5
100	M90/M140	120/208/240/277	HX-HPF	3 x 4	71A5390001D	5.5
150	M102/M142	120/208/240/277	HX-HPF	3 x 4	71A5492001D	7
150	M102/M142	120/208/240/277	SCWA	3 x 4	71A5493001D	8.5
175/150	M57/M107	480/120T	CWA	3 x 4	71A5540001D	8.5
175/150	M57/M107	120/208/240/277	CWA	3 x 4	71A5570001D	7.5
250	M58	480	CWA	3 x 4	71A5741001D	10
250	M58	120/208/240/277	CWA	3 x 4	71A5771001D	10
250	M58	480/120T	CWA	4 x 4	71A5740001D	12
250	M58	120/208/240/277	CWA	4 x 4	71A5770001D	10.5
250	M58	120/208/240/277/480	CWA	4 x 4	71A5750001D	9
400	M59	480/120T	CWA	4 x 4	71A6041001D	12
400	M59	120/208/240/277	CWA	4 x 4	71A6071001D	11.5
400	M59	120/208/240/277/480	CWA	4 x 4	71A6051001D	14
1000	M47	120/208/240/277	CWA	4 x 6	71A6572001	21
1000	M47	120/208/240/277/480	CWA	4 x 6	71A6552001CU*	22
1000	M47	120/208/240/277/480	CWA	4 x 6	71A6552001	24
1000	M47	480/120T	CWA	4 x 6	71A6542001	21
1500	M48	120/208/240/277	CWA	4 x 6	71A6772001	30
1500	M48	480	CWA	4 x 6	71A6742001	31



* All copper-coil construction.



Convenient, no-hassle kits come with all the necessary components and hardware.

Core and Coil Replacement Kits (71A Series) cont.



Pulse Start

175	M137/M152	120/208/240/277	SCWA	3 x 4	71A559300ID	7.5
200	M136	120/208/240/277	SCWA	3 x 4	71A569200ID	9
250	M138/M153	277	R-HPF	4 x 3	71A573700IDEE	8
250	M138/M153	120/208/240/277	SCWA	4 x 4	71A579200ID	11
250	M138/M153	120/208/240/277/480	SCWA	4 x 4	71A575200ID	11.5
320	M132/M154/M170	277	R-HPF	4 x 3	71A583700IDEE	11
320	M132/M154/M170	480/120T	SCWA	4 x 4	71A584200IDT	13
320	M132/M154/M170	120/208/240/277	SCWA	4 x 4	71A589200ID	12.5
320	M132/M154/M170	120/208/240/277/480	SCWA	4 x 4	71A585200ID	12
350	M131/M171	277	R-HPF	4 x 3	71A593700IDEE	11
350	M131/M171	120/208/240/277	SCWA	4 x 4	71A599300ID	12.5
350	M131/M171	120/208/240/277/480	SCWA	4 x 4	71A595300ID	11
400	M135/M155/M172	277	R-HPF	4 x 3	71A613700ID	10
400	M135/M155/M172	480/120T	SCWA	4 x 4	71A604200ID	15
400	M135/M155/M172	480/120T	SCWA	4 x 4	71A604200IDEE	15
400	M135/M155/M172	120/208/240/277	SCWA	4 x 4	71A609200ID	12.5
400	M135/M155/M172	120/208/240/277	SCWA	4 x 4	71A609200IDEE	12.5
400	M135/M155/M172	120/208/240/277/480	SCWA	4 x 4	71A605200ID	16
750	M149	347/480/120T	SCWA	4 x 6	71A64F200ID	19
750	M149	120/208/240/277/480	SCWA	4 x 6	71A645200ID	19.5
1000	M141	120/208/240/277	SCWA	4 x 6	71A659300I	24
1000	M141	120/208/240/277/480	SCWA	4 x 6	71A655300I	24



High Pressure Sodium



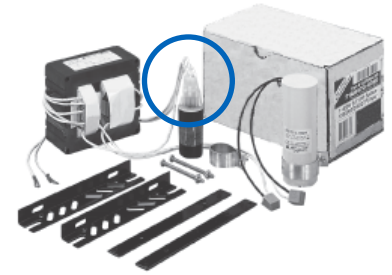
35	S76	120	R-HPF	2 x 2	71A770700IDB*	1.5
50	S68	120	R-HPF	2 x 2	71A780700IDB*	2
50	S68	120/277	HX-HPF	3 x 4	71A780100ID	3.5
50	S68	120/208/240/277	HX-HPF	3 x 4	71A789100ID	3.5
70	S62	120	R-HPF	2 x 2	71A790700IDB*	2
70	S62	120/208/240/277	HX-HPF	3 x 4	71A797100ID	5.5
100	S54	120	R-HPF	2 x 2	71A800700IDB*	2.8
100	S54	480	HX-HPF	3 x 4	71A804100ID	7.5
100	S54	120/208/240/277	HX-HPF	3 x 4	71A807100ID	7.2
150	S55	120	R-HPF	2 x 2	71A810700IDB*	4
150	S55	120/208/240/277	HX-HPF	3 x 4	71A817200ID	7.5
150	S55	480	HX-HPF	3 x 4	71A814200ID	9
150	S56	120/208/240/277	CWA	3 x 4	71A817600ID	8.5
150	S56	480	CWA	3 x 4	71A814600ID	8.5
200	S66	120/208/240/277	CWA	4 x 4	71A897000ID	8.5
200	S66	480	CWA	4 x 4	71A894000ID	8.5
250	S50	120/208/240/277	CWA	4 x 4	71A827100ID	11
250	S50	480/120T	CWA	4 x 4	71A824100ID	11
250	S50	120/208/240/277/480	CWA	4 x 4	71A825100ID	12
310	S67	120/208/240/277	CWA	4 x 4	71A837100ID	13.5
400	S51	120/208/240/277	CWA	4 x 4	71A847300ID	13.5
400	S51	480	CWA	4 x 4	71A844300ID	15
400	S51	120/208/240/277/480	CWA	4 x 4	71A845300ID	16
1000	S52	120/208/240/277	CWA	4 x 6	71A877300I	28
1000	S52	480	CWA	4 x 6	71A874300I	28
1000	S52	120/208/240/277/480	CWA	4 x 6	71A875300I	29

* Indicates ballast has an integral ignitor.



Ballast Kits with Plug-In Ignitors

For the ultimate in convenience, Philips Advance also makes available a “plug-in” ignitor option. If ignitor replacement should become necessary, this feature makes the process literally a “snap”, requiring only seconds.



Watts	ANSI	Input Volts	Circuit Type	Frame	Catalog Number	Total Weight (lbs)
100	S54	120/208/240/277	HX-HPF	3 × 4	71A8091001DC	7.0
150	S55	120/208/240/277	HX-HPF	3 × 4	71A8192001DC	9.0
250	S50	120/208/240/277	CWA	4 × 4	71A8291001DC	12.5
400	S51	120/208/240/277	CWA	4 × 4	71A8493001DC	15.5



Replacement Ignitors

Philips Advance offers individually-packaged long-life ignitors for High Pressure Sodium and Metal Halide applications. All Philips Advance “round can” ignitors feature thermoplastic casings, with the industry’s highest temperature ratings. All ignitors feature a 105°C case temperature rating, 15°C above the industry norm. This critical extra margin extends ignitor life in the most demanding applications.



Lamp Watts and Type	Circuit Type	Standard Ignitor Catalog Number	Long Range Ignitor Catalog Number
High Pressure Sodium			
35W S-76 through 150W S-55	CWA, CWI R, HX, Reg Lag	L1551-J4 L1551-H4	N/A L1551-J4
150W S-56 through 430W	R, CWA, Reg Lag CWI	L1501-H4 L1501-J4	L1501-J4 N/A
1000W S-52	CWA	L1571-H5	L1571-J5
Metal Halide			
35W M-130 through 150W M-102	R, HX, CWA	L1533-H4	See Atlas
70W M-85 Double-Ended	HX	L1522-H5	N/A
150W M-81 Double-Ended	HX	L1522-H5	N/A
200W-400W	CWA	L1523-H5	N/A
	—	See Atlas	See Atlas





Want even more convenience? HID VAL-U-PAK® Plus Replacement Kits include a system-matched lamp

- Includes major manufacturer's premium-grade lamp warranted by Philips Advance
- Confidently meet customers' specific lamp and ballast requirements
- Save an additional trip up the ladder



Watts	ANSI	Input Volts	Circuit Type	Frame	Catalog Number	Total Weight (lbs)
Metal Halide						UL CS
70	M98/M143	120/208/240/277	HX-HPF	3 x 4	77L5292001D	7.5
100	M90/M140	120/208/240/277	HX-HPF	3 x 4	77L5390001D	8.0
150	M102/M142	120/208/240/277	HX-HPF	3 x 4	77L5492001D	9.5
175	M57	120/208/240/277	CWA	3 x 4	77L5570001D	9.5
250	M58	120/208/240/277/480	CWA	4 x 4	77L5750001D	14.0
400	M59	120/208/240/277/480	CWA	4 x 4	77L6051001D	17.0
1000	M47	120/208/240/277/480	CWA	4 x 6	77L6552001	29.0
Pulse Start						UL CS
145	C192	120/208/240/277	SCWA	3 x 4	AS145WQUADVPK	10
205	C184	120/208/240/277	SCWA	4 x 4	AS205WQUADVPK	14
330	C185	120/208/240/277	SCWA	4 x 4	AS330WQUADVPK	17
High Pressure Sodium						UL CS
50	S68	120/208/240/277	HX-HPF	3 x 4	77L7891001D	7.5
70	S62	120/208/240/277	HX-HPF	3 x 4	77L7971001DMED	7.5
70	S62	120/208/240/277	HX-HPF	3 x 4	77L7971001DMOG	7.5
100	S54	120/208/240/277	CWA	3 x 4	77L8071001DMED	9.0
100	S54	120/208/240/277	HX-HPF	3 x 4	77L8071001DMOG	9.0
150	S55	120/208/240/277	HX-HPF	3 x 4	77L8172001DMED	10.5
150	S55	120/208/240/277	CWA	3 x 4	77L8172001DMOG	10.5
250	S50	120/208/240/277/480	CWA	4 x 4	77L8251001D	15.0
400	S51	120/208/240/277/480	CWA	4 x 4	77L8453001D	18.5
1000	S52	120/208/240/277/480	CWA	4 x 6	77L8753001	34.0

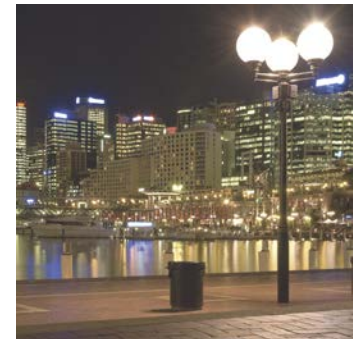


Postline Ballasts (74P Series)

Philips Advance 74P Series postline ballasts are specially designed for use in narrow 3" diameter poles, with or without photocells. In addition to a slender cylindrical profile, reliable thermal protection on HPF units, and Class H insulation, Philips Advance 74P Series ballasts feature new, exclusive spring clip and chain devices for effective heat dissipation, easy installation, and maximum safety (spring and chain standard on all ballasts for lamps 100 watts and above).



Watts	ANSI	Input Volts	Catalog Number	Circuit Type	Length	Total Weight (lbs)
Metal Halide						
50	M110	120	74P510401 IP	HX-PFC	12.0	6.0
High Pressure Sodium						
35	S76	120	74P770301 IP	R-HPF	7.0	3.5
50	S68	120	74P780301 IP	R-HPF	12.0	5.0
70	S62	120	74P790301 IP	R-PFC	12.0	5.0
70	S62	277	74P793301 IP	HX-HPF	17.6	8.5
100	S54	120	74P800301 IP	R-HPF	17.6	7.5
100	S54	208	74P801301 IP	HX-HPF	21.0	13.0
100	S54	240	74P802301 IP	HX-HPF	21.0	13.0
100	S54	277	74P803301 IP	HX-HPF	21.0	13.0
150	S55	120	74P810401 IP	HX-HPF	17.6	8.0



For more than 60 years, Philips Advance HID ballasts have been the choice of facility managers and contractors who need to provide bright HID lighting in a variety of applications.



Special chain attachment helps position ballast lower in the pole, providing additional open space for optimal heat dissipation.

Sealed top maximizes moisture resistance for long-life reliability.

Automatic resetting thermal protector is built into all High Power Factor units.

Exclusive SOLID-FIL polyester resin potting compound completely encases components, locking out moisture and dissipating heat for long life and reliable performance.

Exclusive spring clip device helps position ballast against inside of pole for effective heat dissipation, preventing cycling and extending ballast life.

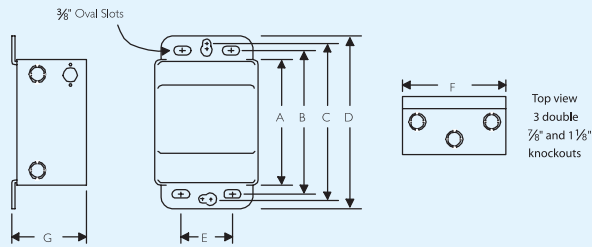
Indoor Enclosed Ballasts (78E Series)

When applications require remote mounting of a luminaire's ballast, Philips Advance Indoor Enclosed ballasts provide outstanding performance, particularly where noise or high ambient temperatures may be a concern. Thanks to Philips Advance's exclusive SOLID-FIL polyester resin potting compound, ballast noise is limited and heat is dissipated with maximum effectiveness, resulting in the quietest performance and longest life available.

Watts	ANSI	Input Volts	Max. Ambient Temp	Circuit Type	Case Style	Catalog Number	Total Weight (lbs)
Metal Halide							
175	M57/M107	120/208/240/277	65°C	CWA	PC-723	78E5590001	22
250	M58	120/208/240/277	65°C	CWA	PC-723	78E5790001	24
400	M59	480	55°C	CWA	PC-724	78E6041001	32
400	M135/M155/M176	120/208/240/277/480	55°C	SCWA	PC-724	78E6052001EE	33
400	M59	120/208/240/277	55°C	CWA	PC-724	78E6091001	32
2 x 400	M59	480	40°C	CWA-ILO	PC-746	78E6341001	58
2 x 400	M59	120/240	40°C	CWA-ILO	PC-746	78E6351001	58
2 x 400	M59	120/277	40°C	CWA-ILO	PC-746	78E6381001	58
1000	M47	480	55°C	CWA	PC-724	78E6542001	42
1000	M47	120/208/240/277	55°C	CWA	PC-724	78E6590001	40
1000	M47	120/208/240/277	55°C	CWA	PC-724	78E6590WCI	40
1000	M47	120/208/240/277	55°C	CWA	PC-724	78E6592001	42
1000	M47	120/208/240/277	55°C	CWA	PC-724	78E6592WCI	42
1000	M141	120/208/240/277	65°C	SCWA	PC-724	78E6593WCI	43
2 x 1000	M47	480	40°C	Lead-Lag	PC-724	78E9379001	40
High Pressure Sodium							
400	S51	480	40°C	CWA	PC-724	78E8443001	38
400	S51	120/208/240/277	40°C	CWA	PC-724	78E8493001	38
1000	S52	480	40°C	CWA	PC-746	78E8743001	60
1000	S52	120/208/240/277	40°C	CWA	PC-746	78E8793001	60



78E Indoor Enclosed Dimensions

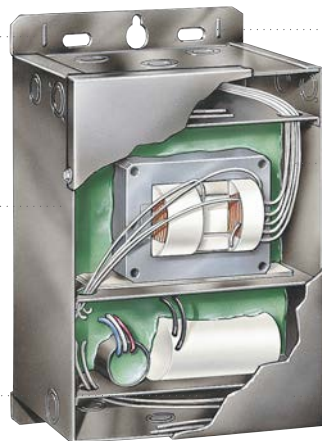


Case Style	A	B	C	D	E	F	G
PC-732	1 1/8"	12"	12 3/4"	13 3/4"	3 3/8"	6 3/8"	4 1/4"
PC-724	12 1/8"	12 1/8"	13 3/8"	14 1/8"	3 3/8"	7 1/8"	5 3/4"
PC-746	17 1/8"	18"	18 1/2"	19 1/4"	3 3/8"	7 1/8"	5 3/4"

Integral top-and-bottom flanges provide secure, UL-required, offset mounting.

Heavy-gauge steel case assemblies. Phosphated, painted and baked for long-lasting finish.

Lead ends are factory pre-insulated for safety and convenience.



Dual-size (1/2" and 3/4") knockouts for each wiring compartment.

Core and coil assembly is completely encased in SOLID-FIL potting compound, containing a high level of silica for maximum heat transfer and low noise.

Dual top-and-bottom wiring compartments provide flexibility and ease of installation.

Outdoor Weatherproof Ballasts (79W Series)

For outdoor remote mounting applications, Philips Advance 79W Series Ballasts give users unmatched reliability and ease of installation. With rugged, lightweight construction incorporating an integral heat sinking base, Philips Advance Outdoor Weatherproof models provide performance you can count on, season after season, year after year.

Watts	ANSI	Input Volts	Circuit Type	Height	Catalog Number	Total Weight (lbs)
Metal Halide						
175	M57/M107	120/208/240/277	CWA	6.6	79W5590001	15.0
175	M57/M107	480	CWA	6.6	79W5540001	12.0
250	M58	120/208/240/277	CWA	8.6	79W5790001	18.0
400	M59	480	CWA	8.6	79W6041001	21.0
400	M59	120/208/240/277	CWA	8.6	79W6091001	21.0
2 x 400	M59	480	CWA-ILO	13.8	79W6341001	43.0
2 x 400	M59	120/240	CWA-ILO	13.8	79W6351001	43.0
2 x 400	M59	120/240	CWA-ILO	13.8	79W6351SHIP	43.0
1000	M47	480	CWA	11.3	79W6542001	33.0
1000	CSI	120/277	CWA	13.8	79W6586001	43.5
1000	M47	120/208/240/277	CWA	11.3	79W6590001	27.0
1000	M47	120/208/240/277	CWA	11.3	79W6592001	23.0
High Pressure Sodium						
250	S50	120/208/240/277	CWA	11.3	79W8291SHI	18.0
400	S51	480	CWA	11.3	79W8443001	20.0
400	S51	120/208/240/277	CWA	11.3	79W8493001	20.0
1000	S52	480	CWA	13.8	79W8743001	34.0
1000	S52	120/208/240/277	CWA	13.8	79W8793001	34.0



Exclusive die-cast anodized aluminum heat sinking base plate.

Ballast core and coil is securely affixed to base plate.

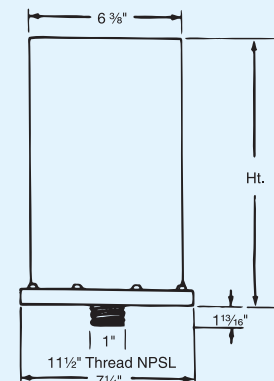
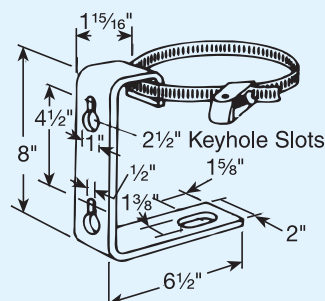
One-inch pipe thread nipple allows easier mounting. Nipple and base plate are cast as one piece for maximum strength.



Canister constructed of corrosion resistant anodized aluminum. Except as noted, units contain no potting material or fill. Lightweight, compact, easy to install.

Enclosure thoroughly sealed and gasketed. Meets NEMA specification for Type 3R enclosures.

SH-I Mounting Bracket (RW4759007 and RW4777010)



Dual-Volt F-Can Ballasts (72C Series)

Philips Advance Protected Dual-Volt F-Can ballasts bring maximum versatility and a wealth of features to HID lighting applications. One ballast can be used with either 120-volt or 277-volt inputs, today's most common voltages for commercial lighting. And the popular F-Can configuration provides easy mounting for a variety of applications.

Watts	ANSI	Input Volts	Circuit Type	Catalog Number	Overall Length	Case Length	Mtg. Dim.	Total Weight (lbs)
Metal Halide								
35/39	M130	120/277	HX-HPF	72C5081NP	11.75	10.5	11.13	9.0
50	M110/M148	120/277	HX-HPF	72C5181NP001	11.75	10.5	11.13	9.0
70	M85	120/277	HX-HPF	72C5280NP001	11.75	10.5	11.13	8.5
70	M98/M143	120/277	HX-HPF	72C5281NP900*	11.75	10.5	11.13	8.5
70	M98/M143	120/277	HX-HPF	72C5282NP001	11.75	10.5	11.13	8.5
100	M90/M140	120/277	HX-HPF	72C5381NP001	11.75	10.5	11.13	11.0
100	M90/M140	120/277	HX-HPF	72C5381NP900*	11.75	10.5	11.13	11.0
150	M81	120/277	HX-HPF	72C5481NP	14.3	13.13	13.75	13.0
150	M102/M142	120/277	HX-HPF	72C5482NP	14.3	13.13	13.75	13.0
150	M102/M142	120/277	HX-HPF	72C5482NP900*	14.3	13.13	13.75	13.0
175	M57	120/277	CWA	72C5581NP001	11.75	10.5	11.13	12.0
175	M137/M152	120/277	SCWA	72C5582NP	14.3	13.13	13.75	15.5
250	M58	120/277	CWA	72C5782NP001	16.7	15.5	16.13	16.0
250	M138/M153	120/277	SCWA	72C5783NP	16.7	15.5	16.13	18.0
320	M132/M154	120/277	SCWA	72C5882NP	19.2	18	18.63	21.0
350	M131	120/277	SCWA	72C5983NP	19.2	18	18.63	24.0
400	M59	120/277	CWA	72C6082NP001	19.2	18	18.63	22.5
400	M135/M155	120/277	SCWA	72C6182NP	19.2	18	18.63	24.0

High Pressure Sodium								
50	S68	120/277	HX-HPF	72C7884NP001	11.75	10.5	11.13	11.0
70	S62	120/277	HX-HPF	72C7984NP001	11.75	10.5	11.13	10.0
100	S54	120/277	HX-HPF	72C8084NP001	11.75	10.5	11.13	11.0
150	S55	120/277	HX-HPF	72C8185NP	14.3	13.13	13.75	14.0

* Includes Xtenza Long-Range ignitor for 50ft max. ballast to lamp distance



Core and coil completely potted for quiet operation.

Automatic resetting thermal protection for both voltage taps.

Baked black enamel finish

Integral anchor tabs are designed to secure optional wiring compartment.

When used with 277-volt systems, **120-volt tap** permits addition of incandescent standby lighting.

Wiring Diagram
All lead lengths 12"

PKG-625
Mounting Bracket Kit
Includes (2) mounting brackets and (4) #10-32 screws with nuts and washers.

PC-857
Wiring Compartment
For end mounting, includes (5) 1/2" dia. knockouts. May be used with or without PC-625 Mounting Bracket Kit



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