



Magnetic HID

Pulse Start

Lamp watts (W)	ANSI code	Input volts (V)	Order code	Description	Type	Circuit type	Input power ANSI (W)	Max. input current (A)
50	M110	120 / 277 / 347	62929	BMH0050/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	70	0.60 / 0.25 / 0.20
		120 / 208 / 240 / 277	62940	BMH0050/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	67	0.50 / 0.30 / 0.25 / 0.20
70	M98	120 / 277 / 347	62930	BMH0070/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	93	0.80 / 0.40 / 0.30
		120 / 277 / 347	10068	BMH0070/TRITAP/F/HX/H/STD	F-Can	HX-HPF	94	0.66 / 0.30 / 0.23
		120 / 208 / 240 / 277	62941	BMH0070/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	93	0.70 / 0.45 / 0.35 / 0.35
100	M90	120 / 277 / 347	62931	BMH0100/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	129	1.30 / 0.60 / 0.50
		120 / 277 / 347	10069	BMH0100/TRITAP/F/HX/H/STD	F-Can	HX-HPF	125	0.90 / 0.36 / 0.30
		120 / 208 / 240 / 277	62942	BMH0100/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	125	1.50 / 0.90 / 0.75 / 0.65
150	M102	120 / 277 / 347	62932	BMH0150/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	188	1.85 / 0.85 / 0.70
		120 / 277 / 347	10070	BMH0150/TRITAP/F/HX/H/STD	F-Can	HX-HPF	185	1.50 / 0.70 / 0.55
		120 / 208 / 240 / 277	10116	BMH0150/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	185	2.95 / 1.75 / 0.45 / 0.30
175	M152	120 / 277 / 347	59640	BMHP0175/TRITAP/C/CWA/H STD	Core and coil	CWA	208	1.10 / 0.50 / 0.40
250	M153	120 / 277 / 347	59641	BMHP0250/TRITAP/C/CWA/H STD	Core and coil	CWA	288	1.65 / 0.75 / 0.60
320	M154	120 / 277 / 347	59642	BMHP0320/TRITAP/C/CWA/H STD	Core and coil	CWA	368	1.60 / 0.70 / 0.55
400	M155	120 / 277 / 347	59639	BMHP0400/TRITAP/C/CWA/H STD	Core and coil	CWA	452	2.35 / 1.05 / 0.85



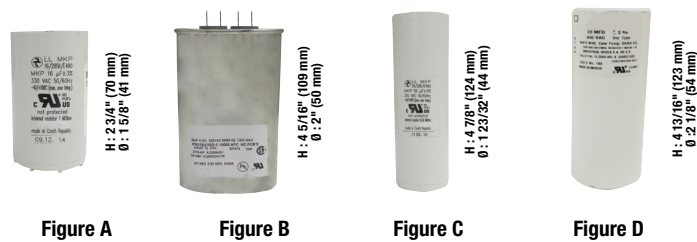
Metal Halide

Lamp watts	ANSI code	Input volts	Order code	Description	Type	Circuit type	Input power ANSI (W)	Max. input current
(W)		(V)					(W)	(A)
175	M57	120 / 277 / 347	62933	BMH0175/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	210	1.10 / 0.45 / 0.35
		120 / 277 / 347	10071	BMH0175/TRITAP/F/CWA/H/STD	F-Can	CWA	205	1.15 / 0.50 / 0.40
		120 / 208 / 240 / 277	62920	BMH0175/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	213	1.30 / 0.75 / 0.65 / 0.57
		120 / 208 / 240 / 277 / 480	61690	BMH0175/5TAP/C/CWA/H/K/STD	Core and coil	CWA	210	1.80 / 1.04 / 0.90 / 0.78 / 0.45
		347 / 480 / 600	10060	BMH0175/347/480/600/C/CWI/H/K/	Core and coil	CWI	215	0.30 / 0.22 / 0.17
250	M58	120 / 208 / 240	10061	BMH0250/120/208/240/C/CWI/H/K/	Core and coil	CWI	292	0.90 / 0.52 / 0.45
		120 / 277 / 347	62934	BMH0250/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	290	2.10 / 0.90 / 0.70
		120 / 277 / 347	10072	BMH0250/TRITAP/F/CWA/H/STD	F-Can	CWA	295	1.85 / 0.80 / 0.65
		120 / 208 / 240 / 277	10118	BMH0250/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	290	1.75 / 1.05 / 0.90 / 0.77
		120 / 208 / 240 / 277 / 480	61691	BMH0250/5TAP/C/CWA/H/K/STD	Core and coil	CWA	290	2.50 / 1.45 / 1.25 / 1.10 / 0.63
		347 / 480 / 600	10062	BMH0250/347/480/600/C/CWI/H/K/	Core and coil	CWI	292	0.30 / 0.22 / 0.17
400	M59	120 / 208 / 240	10063	BMH0400/120/208/240/C/CWI/H/K/	Core and coil	CWI	462	0.98 / 0.70 / 0.49
		120 / 277 / 347	10054	BMH0400/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	458	3.10 / 1.40 / 1.10
		120 / 277 / 347	31177	BMH0400/TRITAP/REM/CWA/H/STD	Remote	CWA	458	3.10 / 1.40 / 1.10
		120 / 208 / 240 / 277	10055	BMH0400/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	458	3.00 / 1.75 / 1.50 / 1.30
		120 / 208 / 240 / 277 / 480	61692	BMH0400/5TAP/C/CWA/H/K/STD	Core and coil	CWA	458	4.00 / 2.30 / 2.00 / 1.70 / 1.00
		347 / 480 / 600	10064	BMH0400/347/480/600/C/CWI/H/K/	Core and coil	CWI	462	0.33 / 0.23 / 0.19
1000	M47	120 / 208 / 240	10065	BMH1000/120/208/240/C/CWI/H/K/	Core and coil	CWI	1 080	4.37 / 2.55 / 2.20
		120 / 277 / 347	62935	BMH1000/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	1 100	5.10 / 2.15 / 1.70
		120 / 208 / 240 / 277	10057	BMH1000/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	1 080	7.30 / 4.30 / 3.70 / 3.20
		347 / 480 / 600	10066	BMH1000/347/480/600/C/CWI/H/K/	Core and coil	CWI	1 100	1.52 / 1.10 / 0.90
1500	M48	120 / 277 / 347	10058	BMH1500/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	1 605	10.70 / 4.70 / 3.65

High Pressure Sodium

Lamp watts	ANSI code	Input volts	Order code	Description	Type	Circuit type	Input power ANSI (W)	Max. input current
(W)		(V)					(W)	(A)
35	S76	120	10019	BHPS0035/120/C/R/K/STD	Core and coil	R-HPF	45	0.50
		120	59284	BHPS0035/120/C/R/INT IGN/STD	Core and coil	R-HPF	45	1.02
50	S68	120	10020	BHPS0050/120/C/R/K/STD	Core and coil	R-HPF	60	0.62
		120	59285	BHPS0050/120/C/R/INT IGN/STD	Core and coil	R-HPF	62	1.15
70	S62	120	10021	BHPS0070/120/C/R/K/STD	Core and coil	R-HPF	81	0.78
		120	59286	BHPS0070/120/C/R/INT IGN/STD	Core and coil	R-HPF	84	1.36
		120 / 277 / 347	62922	BHPS0070/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	91	0.95 / 0.45 / 0.35
		120 / 208 / 240 / 347	10037	BHPS0070/QUADTAP/C/CWI/H/K/STD	Core and coil	CWI	95	0.42 / 0.24 / 0.20 / 0.14
		120 / 208 / 240 / 277	62936	BHPS0070/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	93	0.85 / 0.50 / 0.45 / 0.35
100	S54	120	10022	BHPS0100/120/C/R/K/STD	Core and coil	R-HPF	120	1.19
		120	59287	BHPS0100/120/C/R/INT IGN/STD	Core and coil	R-HPF	115	2.50
		120 / 277 / 347	62923	BHPS0100/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	127	1.00 / 0.45 / 0.35
		120 / 208 / 240 / 347	10038	BHPS0100/QUADTAP/C/CWI/H/K/STD	Core and coil	CWI	130	0.55 / 0.30 / 0.26 / 0.18
		120 / 208 / 240 / 277	62937	BHPS0100/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	122	1.20 / 0.70 / 0.60 / 0.52
150	S55	120	62921	BHPS0150/120/C/R/K/STD	Core and coil	R-HPF	170	2.75
		120	59283	BHPS0150/120/C/R/INT IGN/STD	Core and coil	R-HPF	170	3.97
		120 / 277 / 347	62924	BHPS0150/TRITAP/C/HX/H/K/STD	Core and coil	HX-HPF	188	1.50 / 0.70 / 0.60
		120 / 208 / 240 / 277	62938	BHPS0150/QUADTAP/C/HX/H/K/STD	Core and coil	HX-HPF	189	1.55 / 1.00 / 0.80 / 0.70
250	S50	120 / 277 / 347	62925	BHPS0250/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	290	2.10 / 0.90 / 0.75
		120 / 208 / 240 / 277	10111	BHPS0250/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	295	1.75 / 1.00 / 0.90 / 0.80
		347 / 480 / 600	10041	BHPS0250/347/480/600/C/CWI/H/K	Core and coil	CWI	290	0.31 / 0.23 / 0.17
400	S51	120 / 277 / 347	62926	BHPS0400/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	465	4.00 / 1.80 / 1.40
		120 / 208 / 240 / 277	62939	BHPS0400/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	467	3.85 / 2.20 / 1.90 / 1.70
		120 / 208 / 240 / 277 / 480	61695	BHPS0400/5TAP/C/CWA/H/K/STD	Core and coil	CWA	464	3.80 / 2.20 / 1.90 / 1.70 / 1.00
		347 / 480 / 600	10043	BHPS0400/347/480/600/C/CWI/H/K	Core and coil	CWI	465	0.54 / 0.40 / 0.32
430	S145	120 / 208 / 240 / 277	10034	BHPS0430/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	492	4.00 / 2.30 / 2.00 / 1.73
1000	S52	120 / 208 / 240	10046	BHPS1000/120/208/240/C/CWI/H/K	Core and coil	CWI	1 100	4.22 / 2.44 / 2.07
		120 / 277 / 347	62927	BHPS1000/TRITAP/C/CWA/H/K/STD	Core and coil	CWA	1 120	12.5 / 5.50 / 4.50
		120 / 208 / 240 / 277	62928	BHPS1000/QUADTAP/C/CWA/H/K/STD	Core and coil	CWA	1 100	8.50 / 4.80 / 4.10 / 3.60
		120 / 208 / 240 / 277 / 480	61696	BHPS1000/5TAP/C/CWA/H/K/STD	Core and coil	CWA	1 100	9.50 / 5.50 / 4.70 / 4.10 / 2.40

Capacitor



High Pressure Sodium

Order code	Description	Microfarads	Voltage	Case temperature	Capacitor type	Contains PCB	Figure
		(µf)	(V)	(°C)			
16569	26MF 525VAC OIL CAPACITOR	26	525	100	Oil Filled	No	B
31335	14MF 280 VAC DRY CAPACITOR	14	280	100	Dry Film	No	A
31343	21MF 630VAC DRY CAPACITOR	21	630	100	Dry Film	No	D
59785	55MF 120VAC DRY CAPACITOR	55	120	105	Dry Film	No	C



Metal Halide

Order code	Description	Microfarads	Voltage	Case temperature	Capacitor type	Contains PCB	Figure
		(µf)	(V)	(°C)			
16573	32MF 525VAC OIL CAPACITOR	32	525	100	Oil Filled	No	A
31058	24MF 480VAC OIL CAPACITOR	24	480	100	Oil Filled	No	A
31206	10MF 400VAC DRY CAPACITOR	10	400	100	Dry Film	No	B
31207	24MF 400VAC DRY CAPACITOR	24	400	100	Dry Film	No	C
31332	12MF 480VAC DRY CAPACITOR	12	480	100	Dry Film	No	D



Figure A



Figure B



Figure C

Pulse Start Metal Halide

Order code	Description	Microfarads (µf)	Voltage (V)	Case temperature (°C)	Capacitor type	Contains PCB	Figure
16566	22MF 330VAC DRY CAPACITOR	22	330	100	Dry Film	No	A
31208	24MF 480VAC DRY CAPACITOR	24	480	100	Dry Film	No	B
31209	15MF 400VAC DRY CAPACITOR	15	400	100	Dry Film	No	C

Ignitor

High Pressure Sodium



Figure A



Figure B

Order code	Description	Watts (W)	Circuit	ANSI code	Distance ballast to lamp (ft.)	Case temperature (°C)	Case shape	Figure
16645	IGN35150HPS/R/A	35	R	S76	2	105	Round	A
		50	HX	S68	2	105	Round	
		50	R	S68	2	105	Round	
		70	HX	S62	2	105	Round	
		70	R	S62	2	105	Round	
		100	HX	S54	2	105	Round	
		100	R	S54	2	105	Round	
		150	HX	S55	2	105	Round	
		150	R	S55	2	105	Round	
16652	IGN35150HPS/R/LR/A	35	R	S76	15	105	Round	B
		50	HX	S68	35	105	Round	
		50	R	S68	15	105	Round	
		70	HX	S62	35	105	Round	
		70	R	S62	15	105	Round	
		100	HX	S54	35	105	Round	
		100	R	S54	15	105	Round	
		150	HX	S55	35	105	Round	
		150	R	S55	15	105	Round	



H: 2 5/8" (66.5 mm)
Ø: 1 1/4" (32 mm)

Figure A



H: 2 5/16" (59 mm)
Ø: 1 3/8" (35 mm)

Figure B

Order code	Description	Watts (W)	Circuit	ANSI code	Distance ballast to lamp (ft.)	Case temperature (°C)	Case shape	Figure
16654	IGN35150HPS/R/QC/B	35	R	S76	2	105	Round	A
		50	R	S68	2	105	Round	
		70	R	S62	2	105	Round	
		100	R	S54	2	105	Round	
		150	R	S55	2	105	Round	
62987	IGN35150HPS/H/STD	35	R	S76	2	105	Round	B
		50	H	S68	10	105	Round	
		50	R	S68	2	105	Round	
		70	H	S62	10	105	Round	
		70	R	S62	2	105	Round	
		100	H	S54	10	105	Round	
		100	R	S54	2	105	Round	
		150	H	S55	10	105	Round	
		150	R	S55	2	105	Round	



H: 2 5/16" (59 mm)
Ø: 1 3/8" (35 mm)

Figure A



H: 2 5/8" (66 mm)
Ø: 1 3/8" (35 mm)

Figure B



H: 2 7/16" (62 mm)
Ø: 2 5/16" (58.5 mm)

Figure C

Order code	Description	Watts (W)	Circuit	ANSI code	Distance ballast to lamp (ft.)	Case temperature (°C)	Case shape	Figure
62988	IGN200400HPS/AI/STD	200	CWA	S66	10	105	Round	A
		250	CWA	S50	10	105	Round	
		400	CWA	S51	10	105	Round	
62989	IGN7501000HPS/AI/STD	1 000	CWA	S52	15	105	Round	B
16656	IGN1000HPS/AI/PT/B	1 000	CWA	S52	5	105	Oval	C
		1 000	CWI	S52	12	105	Oval	



Metal Halide



Figure A

Order code	Description	Watts (W)	Circuit	ANSI code	Distance ballast to lamp (ft.)	Case temperature (°C)	Case shape	Figure
62990	IGN50450MH/H/STD	50	HX	M110	15	105	Round	A
		50	R	M110	2	105	Round	
		70	HX	M98	25	105	Round	
		70	R	M98	10	105	Round	
		100	HX	M90	20	105	Round	
		100	R	M90	2	105	Round	
		150	HX	M102	10	105	Round	
		150	R	M102	2	105	Round	
		175	CWA	M137/M152	2	105	Round	
		200	CWA	M136	2	105	Round	
		250	CWA	M138/M153	5	105	Round	
		320	CWA	M132	2	105	Round	
		350	CWA	M131	2	105	Round	
		400	CWA	M155	10	105	Round	
		450	CWA	M144	5	105	Round	

Electronic HID

Order code	Description	No. of lamps	Lamp watts (W)	ANSI code	Input volts (V)	Input power	Regulation	Power factor	THD	Max. distance to lamp (ft.)	Max. input current (A)
61509	EMH0039/120-277/BLS/STD	1	39	M130	120 -277	44	± 5%	> 0.95	< 15%	5	0.37 / 0.17

Lamp & Ballast kit

All the components to install an HID fixture are conveniently packed into a single box, ensuring that the installation can be completed all at once: lamp, capacitor (if required), ignitor (if required), mounting brackets, prewired ballast and hardware.



Order code	Description	Lamp watts (W)	ANSI code	Input volts (V)	Circuit type	Lamp shape	Lamp base	Lamp finish	Luminaire
Metal Halide									
61840	LBK/BMH0100/TRITAP/C/HX/MED	100	M90	120/277/347	HX-HPF	EDX17	E26	Clear	Open
61841	LBK/BMH0150/TRITAP/C/HX/MED	150	M102	120/277/347	HX-HPF	EDX17	E26	Clear	Open
60986	LBK/BMH0175/TRITAP/C/CWA/MED	175	M57	120/277/347	CWA	ED17	E26	Clear	Enclosed
61008	LBK/BMHP0400/TRITAP/C/CWA/MOG	400	M155	120/277/347	CWA	ED37	E39	Clear	Enclosed
High Pressure Sodium									
60994	LBK/BHPS0050/120/C/R/MED	50	S68	120	R-HPF	ED17	E26	Clear	Open
60995	LBK/BHPS0070/120/C/R/MED	70	S62	120	R-HPF	ED17	E26	Clear	Open
60996	LBK/BHPS0100/120/C/R/MED	100	S54	120	R-HPF	ED17	E26	Clear	Open
61010	LBK/BHPS0070/TRITAP/C/HX/MED	70	S62	120/277/347	HX-HPF	ED17	E26	Clear	Open
61012	LBK/BHPS0100/TRITAP/C/HX/MED	100	S54	120/277/347	HX-HPF	ED17	E26	Clear	Open
61013	LBK/BHPS0100/TRITAP/C/HX/MOG	100	S54	120/277/347	HX-HPF	ED23.5	E39	Clear	Open
61009	LBK/BHPS0150/120/C/R/MED	150	S55	120	R-HPF	ED17	E26	Clear	Open
61002	LBK/BHPS0150/TRITAP/C/HX/MED	150	S55	120/277/347	HX-HPF	ED17	E26	Clear	Open
61003	LBK/BHPS0150/TRITAP/C/HX/MOG	150	S55	120/277/347	HX-HPF	ED23.5	E39	Clear	Open
61004	LBK/BHPS0250/TRITAP/C/CWA/MOG	250	S50	120/277/347	CWA	ET18	E39	Clear	Open
61005	LBK/BHPS0400/TRITAP/C/CWA/MOG	400	S51	120/277/347	CWA	ET18	E39	Clear	Open

Electronic Sign

Order code	Description	No. of lamps	Input volts	Max. case temp	Input power	Line current ¹	Open circuit volts	Min starting temp.	T8HO lamp footage (ft.)		T12HO lamp footage (ft.)	
			(V)	(°C)	(W)	(A)	(V)	(°C)	Min.	Max.	Min.	Max.
61015	ESB/12/216/UV/STD	1, 2	120 - 277	90	131	1.20	800	-29	4	12	2	16
61016	ESB/13/432/UV/STD	1, 2, 3	120 - 277	90	267	2.40	800	-29	4	24	4	32
61019	ESB/34/432/UV/STD	3, 4	120 - 277	90	267	2.40	800	-29	4	24	4	32
64172	ESB/14/1040/UV/STD	1, 2, 3, 4	120 - 277	90	352	3.00	1000	-29	8	32	10	40
61017	ESB/46/848/UV/STD	4, 5, 6	120 - 277	90	410	3.50	860	-29	16	36	8	48

Electronic Transformer

Order code	Description	Input volts	Output volts	Input watts	Input current	Power factor	Auto reset	Dimmable	Min. starting temp.	Max. starting temp.	Dimensions
		(V)	(V)	(W)	(A)				(°C)	(°C)	L x W x H (mm)
61951 ²	T120V/150W/AR/STD	120	11.4	150	1.27	0.99	Yes	Yes	-18	75	104 x 35 x 28

¹Based off T12HO lamps at 120V

²Electronic halogen transformers are not designed to be compatible with LED MR16 replacement lamps. Using LED lamps with a halogen transformer may cause the lamps to flicker, strobe, or shut down.

