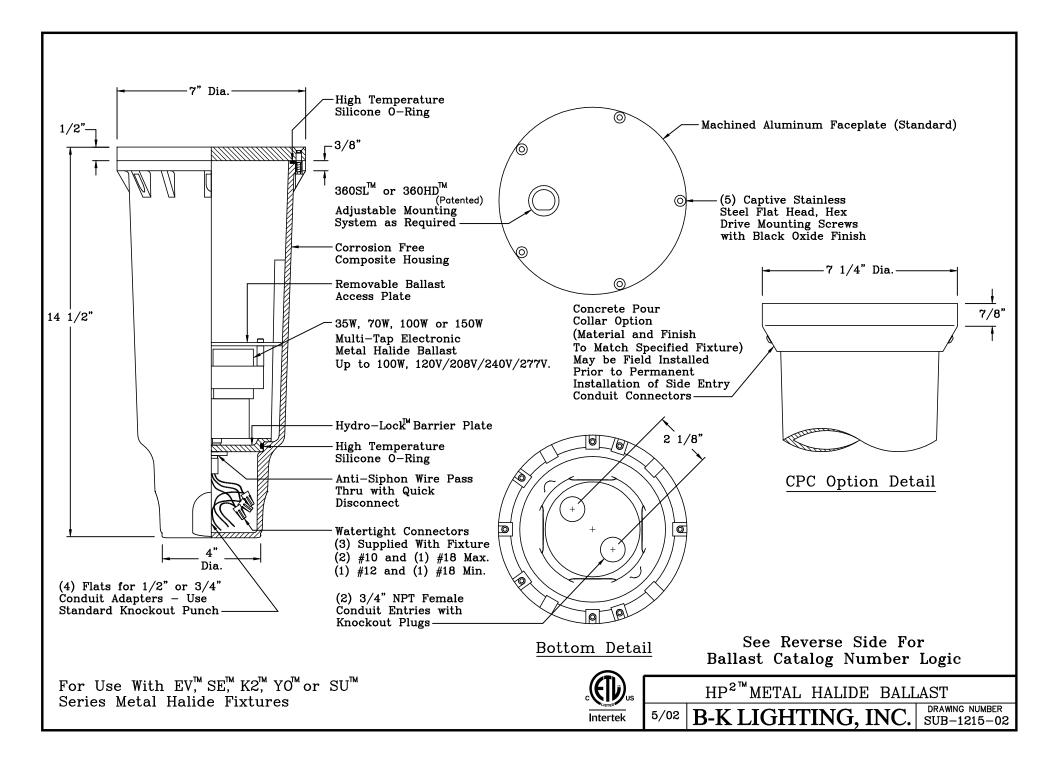


CATALOG NUMBER LOGIC
EXAMPLE: SE - 63 - BLW - 10 - 11 - C - HP2-H70E-MT - CPC
Series:
Finish:
Shielding:         11 - Honeycomb Baffle         Cap Style:         A - 45°         B - 90°         C - Flush
C - Flush Ballast Style and Input Voltage: (See Ballast Drawings For Specification Information)
HP2-H35E-MT* - (35W) Recessed In Grade Electronic HP2-H70E-MT* - (70W) Recessed In Grade Electronic HP2RM-H35M-120 or 277 - (35W) Recessed Remote In Grade Magnetic HP2RM-H30E-MT* - (35W) Recessed Remote In Grade Electronic HP2RM-H70E-MT* - (35W) Recessed Remote In Grade Electronic HP2RM-H70E-MT* - (35W) Power Seesed Remote In Grade Electronic PC-H35E-MT* - (35W) Power Canopy Wall or Ceiling Mount Electronic PC-H35E-MT* - (35W) Power Canopy Wall or Ceiling Mount Electronic RM-H35M-120 or 277 - (35W) Screw Cover Remote Wall Mount Magnetic RM-H35M-120 or 277 - (35W) Screw Cover Remote Wall Mount Magnetic RM-H35E-MT* - (35W) Screw Cover Remote Wall Mount Magnetic RM-H35E-MT* - (35W) Screw Cover Remote Wall Mount Electronic RM-H35E-MT* - (35W) Screw Cover Remote Wall Mount Electronic TSB-H35E-MT* - (35W) Pole Top or Tenon Mounted Electronic TMB-H35E-MT* - (35W) Pole Top or Tenon Mounted Electronic
*MT = 120/208/240/277 Multi Tap
Options: CPC - Concrete Pour Collar (HP2 & HP2RM Only) PAR30, 35W or 70W Metal Halide
SIERRA SERIES <sup>™</sup>
3/03 <b>B-K LIGHTING, INC.</b> SUB-1140-10



<u>CATALOG NUMBER LOGIC</u>
(Add to Fixture Catalog Number)
EXAMPLE: HP2 – H35E – MT – CPC
Housing:
Ballast Type:
H35E – 35W Electronic H70E – 70W Electronic H100E – 100W Electronic
Input Voltage:
MT - Multi-Tap Electronic Metal Halide Ballast 120/208/240/277
Options:
CPC – Concrete Pour Collar

- (Material and Finish to Match Specified Fixture)
- (May be Field Installed Prior to Permanent Installation of Side Entry Conduit Connectors)

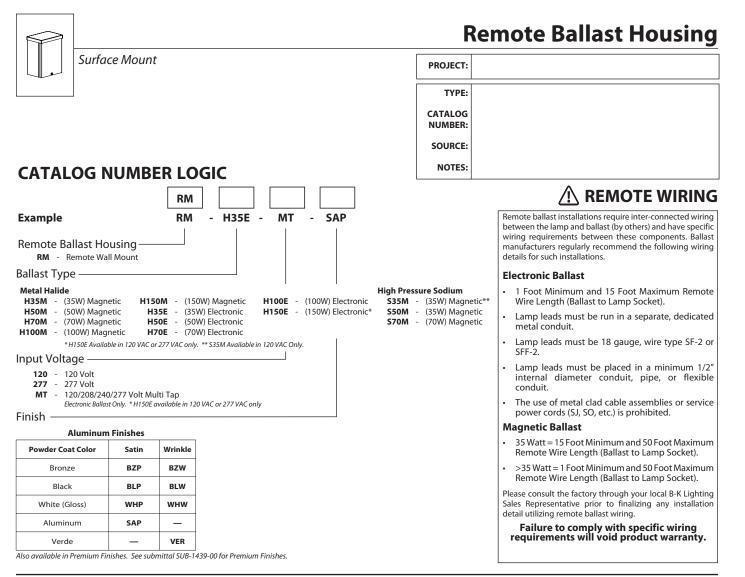
Features:

- Precision Machined Aluminum Faceplate.
- Corrosion Free Composite Recessed Below Grade Housing.
- 360SL<sup>™</sup> or 360HD<sup>™</sup> (Patented) Adjustable Mounting System, Allows Rotational Adjustment with O-Ring Seal and Tamperproof Design.
- 35W, 70W or 100W Multi-Tap Electronic Metal Halide Ballast 120V/208V/240V/277V.
- Junction Box with Hydro-Lock<sup>™</sup> Barrier Plate.
- Concrete Pour Collar Available in Aluminum or Brass.
- Large High Temperature Silicone Compression Type O-Ring with Five Stainless Steel Countersunk Hex Socket Captive Mounting Screws, Creates Water Tight Seal.
- Watertight Connectors, (3) Supplied with Fixture.

For Use With EV,<sup>™</sup> SE,<sup>™</sup> K2,<sup>™</sup> YO<sup>™</sup> or SU<sup>™</sup> Series Metal Halide Fixtures



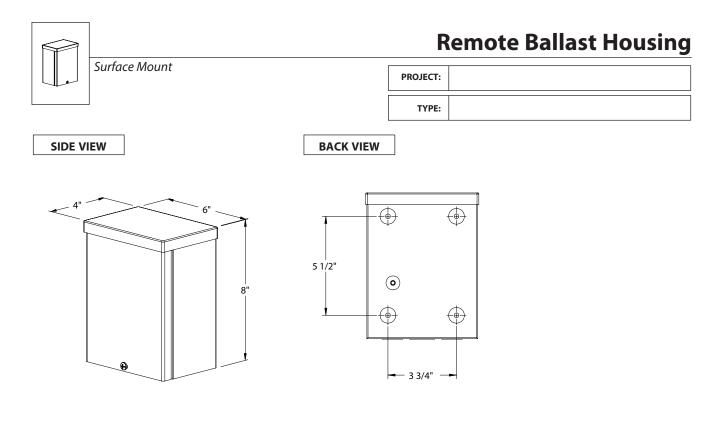
HP<sup>2™</sup>METAL HALIDE BALLAST CATALOG NO. LOGIC 5/02 B-K LIGHTING, INC. DRAWING NUMBER SUB-1215-02

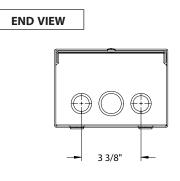


### **BALLAST ELECTRICAL DATA**

BALLAST	TYPE	INPUT VOLTS	INPUT WATTS	INPUT CURRENT	CIRCUIT TYPE		M START RATURE		MOTE BALLAST VIRE LENGTH
H35M	Magnetic	120	53	1.10	HX-HPF	-2	D° F	1	5' Min - 50' Max.
H35M	Magnetic	277	56	0.40	HX-HPF	-2	D° F	1	5' Min - 50' Max.
H50M	Magnetic	120	72	1.00	HX-HPF	-2	D° F	1	' Min - 50' Max.
H50M	Magnetic	277	72	0.50	HX-HPF	-2	D° F	1	' Min - 50' Max.
H70M	Magnetic	120	90	1.90	HX-HPF	-2	D° F	1	' Min - 50' Max.
H70M	Magnetic	277	90	0.80	HX-HPF	-2	D° F	1	' Min - 50' Max.
H100M	Magnetic	120	129	1.50	HX-HPF	-2	2° F	1	' Min - 50' Max.
H100M	Magnetic	277	118	0.35	HX-HPF	-2	2° F	1	' Min - 50' Max.
H150M	Magnetic	120	185	1.90	HX-HPF	-2	2° F	1	' Min - 50' Max.
H150M	Magnetic	277	173	0.75	HX-HPF	-2	2° F	1	' Min - 50' Max.
H35E*	Electronic	120	44	0.39	HPF	-5	° F	1	' Min - 15' Max.
H35E*	Electronic	277	44	0.17	HPF	-5	° F	1	' Min - 15' Max.
H50E*	Electronic	120	58	0.49	HPF	-5	° F	1	' Min - 15' Max.
H50E*	Electronic	277	58	0.21	HPF	-5	° F	1	' Min - 15' Max.
H70E*	Electronic	120	79	0.67	HPF	-5	° F	1	' Min - 15' Max.
H70E*	Electronic	277	79	0.29	HPF	-5	° F	1	' Min - 15' Max.
H100E*	Electronic	120	110	0.90	HPF	-5	° F	1	' Min - 15' Max.
H100E*	Electronic	277	110	0.41	HPF	-5	° F	1	' Min - 15' Max.
H150E*	Electronic	120	167	1.40	HPF	-2	2° F	1	' Min - 15' Max.
H150E*	Electronic	277	167	0.61	HPF	-2	2° F	1	' Min - 15' Max.
*	Ballast Manufacture's req	uirement: Wire	used must only be	18 gauge, SF2 or SFF	2, and be in a dedicated n	netal conduit	of 1/2" I.D. Mir	nimum, p	er lamp.
S35M	Magnetic	120	46	0.80	RX-HPF	-4	D° F	1	' Min - 15' Max.
S50M	Magnetic	120	66	1.00	HX-HPF	-4	D° F	1	' Min - 35' Max.
S50M	Magnetic	277	66	0.50	HX-HPF	-4	D° F	1	' Min - 35' Max.
S70M	Magnetic	120	91	1.40	HX-HPF	-4	D° F	1	' Min - 35' Max.
S70M	Magnetic	277	91	0.70	HX-HPF	-4	D° F	1	' Min - 35' Max.
B-ł	K LIGH	111	NG	559.438.5	Drive • Madera, CA 93636 800 • FAX 559.438.5900 g.com • info@bklighting.c		SUBMITTAL 6-13-1		DRAWING NUMB

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## **SPECIFICATIONS**

#### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-tocradle handling. Packaging contains no chlorofluorocarbons (CFC's). RoHs compliant.

#### Installation

Nema 3R, surface mount design. For use with remote metal halide fixture (specified separately).

#### Housing

Steel construction with screw cover. Front access for ease of installation and inspection. [2] bottom entry, 3/4" conduit knockouts.

#### Wiring / Connectors

Teflon<sup>®</sup> coated wire, 18 gauge, 600V, 250°C rated and certified to UL1659 standard. Pre-wired and labeled terminal strip.

#### **Magnetic Ballast**

[1] 35-150 watt, Class H insulated, integral, high power factor, magnetic ballast. 120V or 277V primary voltage, 60Hz.

#### **Electronic Ballast**

[1] 35-150 watt, integral, high power factor, electronic ballast. Multi-Tap (120/208/240/277V) primary voltage 50/60Hz. H150E available in 120V, or 277V primary voltage. 50/60Hz.

#### Finish

StarGuard $^{\circ}$  (Pat. Pend.), a 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. RoHs compliant.

#### Warranty

5 year limited warranty.

#### Listings

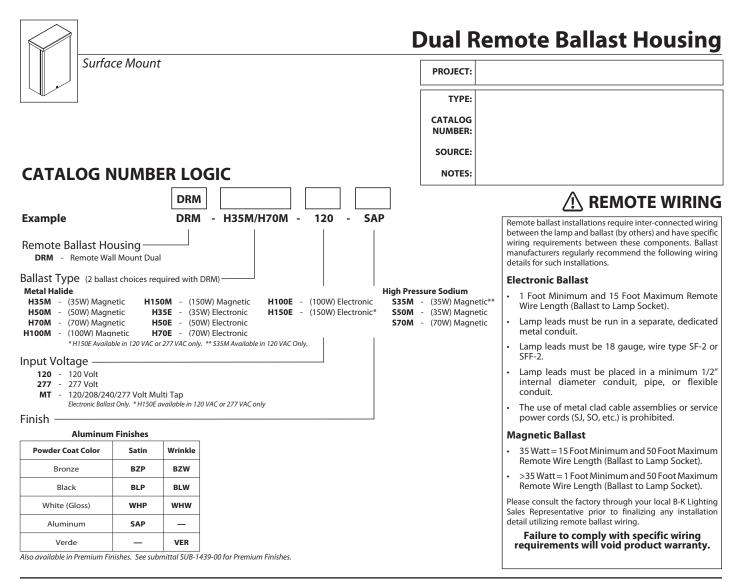
NEMA 3R Enclosure. ETL Listed to ANSI/UL Standard 50/50E and Certified to CAN/CSA Standard C22.2 No. 94.1/94.2. RoHs compliant. Made in USA.

#### 

® Teflon is a registered trademark of DuPont Corporation.



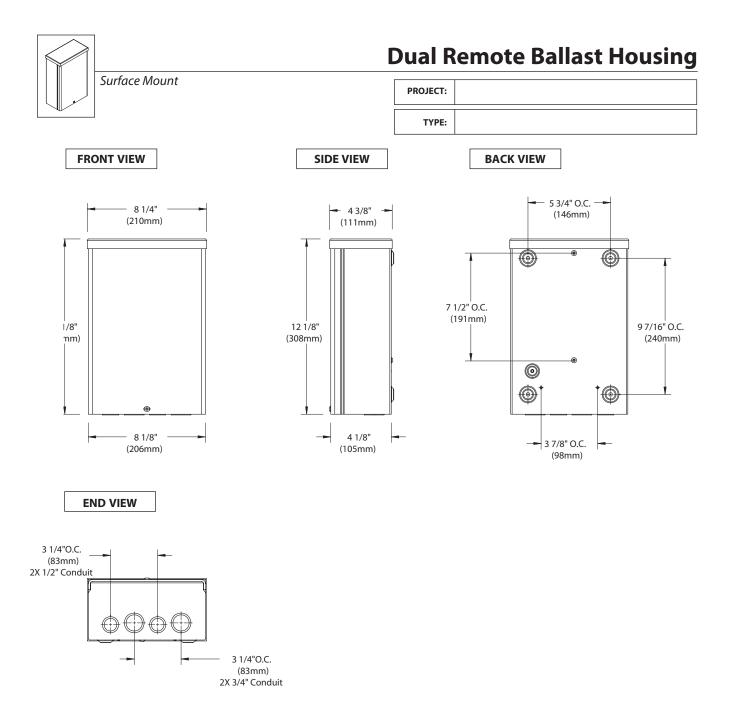
40429 Brickyard Drive • Madera, CA 93636 • USA<br/>559.438.5800 • FAX 559.438.5900<br/>www.bklighting.com • info@bklighting.comSUBMITTAL DATE<br/>6-13-11DRAWING NUMBER<br/>SUB-1799-00



### **BALLAST ELECTRICAL DATA**

BALLAST	ТҮРЕ	INPUT VOLTS	INPUT WATTS	INPUT CURRENT	CIRCUIT TYPE		M START RATURE	REMOTE BALLAST WIRE LENGTH
H35M	Magnetic	120	53	1.10	HX-HPF	-2	)° F	15' Min - 50' Max.
H35M	Magnetic	277	56	0.40	HX-HPF	-2	0° F	15' Min - 50' Max.
H50M	Magnetic	120	72	1.00	HX-HPF	-2	0° F	1' Min - 50' Max.
H50M	Magnetic	277	72	0.50	HX-HPF	-2	D° F	1' Min - 50' Max.
H70M	Magnetic	120	90	1.90	HX-HPF	-2	0° F	1' Min - 50' Max.
H70M	Magnetic	277	90	0.80	HX-HPF	-2	D° F	1' Min - 50' Max.
H100M	Magnetic	120	129	1.50	HX-HPF	-2	2° F	1' Min - 50' Max.
H100M	Magnetic	277	118	0.35	HX-HPF	-2	2° F	1' Min - 50' Max.
H150M	Magnetic	120	185	1.90	HX-HPF	-2	2° F	1' Min - 50' Max.
H150M	Magnetic	277	173	0.75	HX-HPF	-2	2° F	1' Min - 50' Max.
H35E*	Electronic	120	44	0.39	HPF	-5	°F	1' Min - 15' Max.
H35E*	Electronic	277	44	0.17	HPF	-5	°F	1' Min - 15' Max.
H50E*	Electronic	120	58	0.49	HPF	-5	°F	1' Min - 15' Max.
H50E*	Electronic	277	58	0.21	HPF	-5	°F	1' Min - 15' Max.
H70E*	Electronic	120	79	0.67	HPF	-5	°F	1' Min - 15' Max.
H70E*	Electronic	277	79	0.29	HPF	-5	°F	1' Min - 15' Max.
H100E*	Electronic	120	110	0.90	HPF	-5	°F	1' Min - 15' Max.
H100E*	Electronic	277	110	0.41	HPF	-5	°F	1' Min - 15' Max.
H150E*	Electronic	120	167	1.40	HPF	-2	2° F	1' Min - 15' Max.
H150E*	Electronic	277	167	0.61	HPF	-2:	2° F	1' Min - 15' Max.
*E	Ballast Manufacture's req	uirement: Wire	used must only be	18 gauge, SF2 or SFF	2, and be in a dedicated m	etal conduit	of 1/2" I.D. Minii	mum, per lamp.
S35M	Magnetic	120	46	0.80	RX-HPF	-4	)° F	1' Min - 15' Max.
S50M	Magnetic	120	66	1.00	HX-HPF	-4	)° F	1' Min - 35' Max.
S50M	Magnetic	277	66	0.50	HX-HPF	-4	)° F	1' Min - 35' Max.
S70M	Magnetic	120	91	1.40	HX-HPF	-4	D° F	1' Min - 35' Max.
S70M	Magnetic	277	91	0.70	HX-HPF	-4	D° F	1' Min - 35' Max.
B-k	< LIGH	ITI	NG	559.438.5	Drive • Madera, CA 93636 800 • FAX 559.438.5900 g.com • info@bklighting.c		SUBMITTAL D 6-13-11	

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## **SPECIFICATIONS**

#### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-tocradle handling. Packaging contains no chlorofluorocarbons (CFC's). RoHs compliant.

#### Installation

Nema 3R, surface mount design. For use with remote metal halide fixture (specified separately).

#### Housing

Steel construction with screw cover. Front access for ease of installation and inspection. [2] bottom entry, 3/4" conduit knockouts.

#### Wiring / Connectors

Teflon<sup>®</sup> coated wire, 18 gauge, 600V, 250°C rated and certified to UL1659 standard. Pre-wired and labeled terminal strip.

#### **Magnetic Ballast**

[2] 35-150 watt, Class H insulated, integral, high power factor, magnetic ballast. 120V or 277V primary voltage, 60Hz.

#### **Electronic Ballast**

[2] 35-150 watt, integral, high power factor, electronic ballast. Multi-Tap (120/208/240/277V) primary voltage 50/60Hz. H150E available in 120V, or 277V primary voltage. 50/60Hz.

#### Finish

StarGuard<sup>®</sup> (Pat. Pend.), a 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. RoHs compliant.

#### Warranty

5 year limited warranty.

#### Listings

NEMA 3R Enclosure. ETL Listed to ANSI/UL Standard 1029 and Certified to CAN/CSA Standard C22.2 No. 74. RoHs compliant. Made in USA.

#### 

® Teflon is a registered trademark of DuPont Corporation.

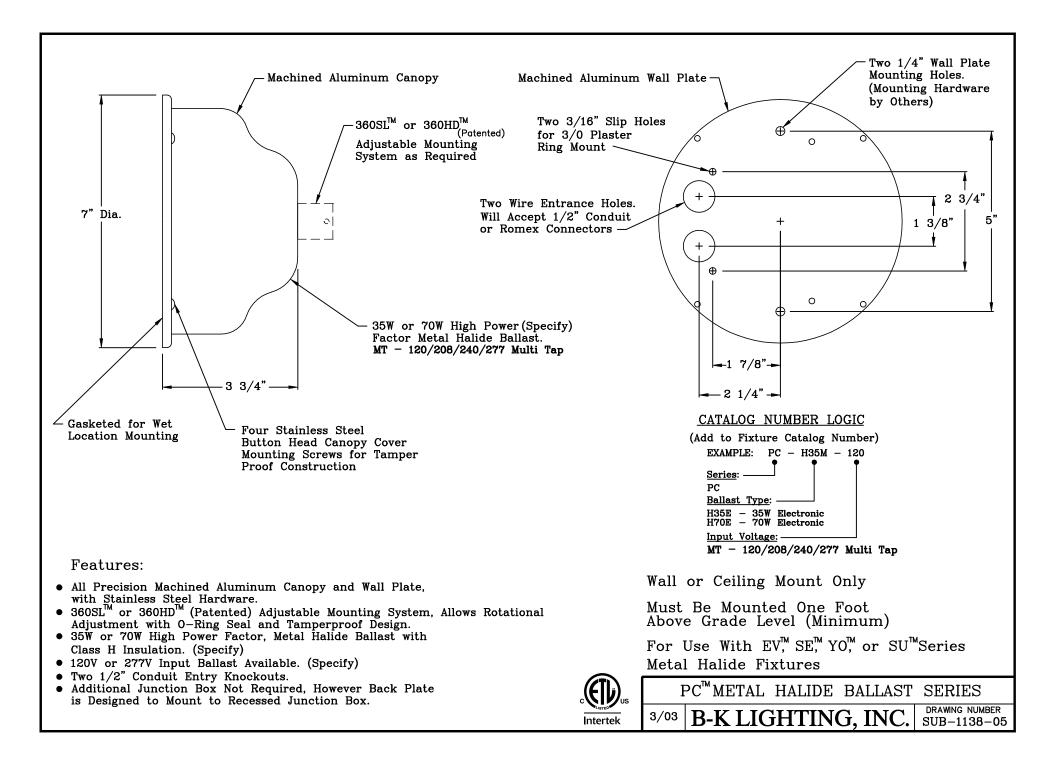


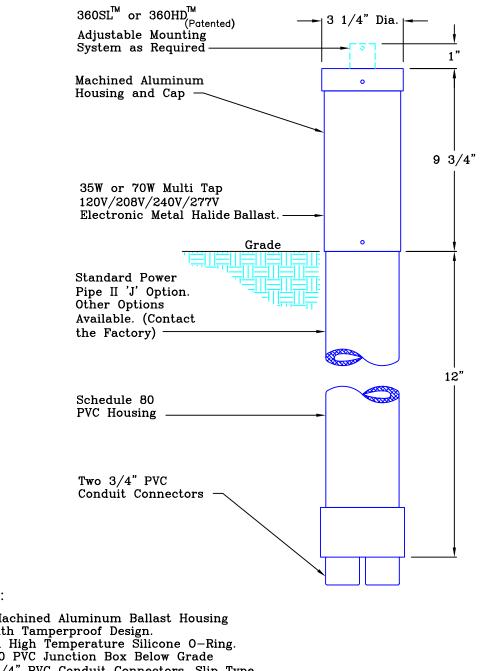
 40429 Brickyard Drive • Madera, CA 93636 • USA
 SUBMITTAL DATE

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 Www.bklighting.com

 www.bklighting.com • info@bklighting.com
 6-13-11

SUBMITTAL DATE	DRAWING NUMBER
6-13-11	SUB001125





Features:

- Precision Machined Aluminum Ballast Housing and Cap with Tamperproof Design.
- Sealed with High Temperature Silicone O-Ring.
- Schedule 80 PVC Junction Box Below Grade
- with Two 3/4" PVC Conduit Connectors, Slip Type. 360SL<sup>M</sup> or 360HD<sup>M</sup> (Patented) Adjustable Mounting System, Allows Rotational Adjustment with O-Ring Seal and Tamperproof Design.
- 35W or 70W Multi Tap 120V/208V/240V/277V Electronic Ballast.

For Use With EV,<sup>™</sup> SE,<sup>™</sup> K2,<sup>™</sup> YO,<sup>™</sup> or SU<sup>™</sup>Series Metal Halide Fixtures.



4/96

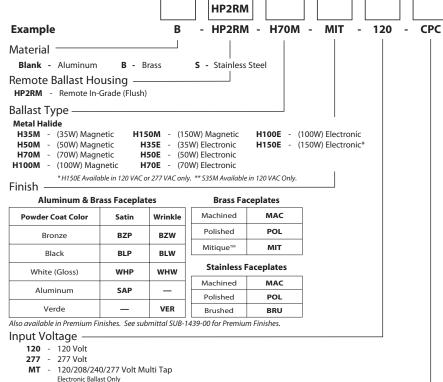
PPII<sup>™</sup>METAL HALIDE BALLAST SERIES DRAWING NUMBER B-K LIGHTING. INC. SUB-1137-05



# HP<sup>2</sup>RM<sup>™</sup> Remote Ballast

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

# CATALOG NUMBER LOGIC



# **REMOTE WIRING**

Remote ballast installations require inter-connected wiring between the lamp and ballast (by others) and have specific wiring requirements between these components. Ballast manufacturers regularly recommend the following wiring details for such installations.

### Electronic Ballast

- 1 Foot Minimum and 15 Foot Maximum Remote Wire Length (Ballast to Lamp Socket).
- Lamp leads must be run in a separate, dedicated metal conduit.
- Lamp leads must be 18 gauge, wire type SF-2 or SFF-2.
- Lamp leads must be placed in a minimum 1/2" internal diameter conduit, pipe, or flexible conduit
- The use of metal clad cable assemblies or service power cords (SJ, SO, etc.) is prohibited.

#### **Magnetic Ballast**

- 35 Watt = 15 Foot Minimum and 50 Foot Maximum Remote Wire Length (Ballast to Lamp Socket).
- >35 Watt = 1 Foot Minimum and 50 Foot Maximum Remote Wire Length (Ballast to Lamp Socket).

Please consult the factory through your local B-K Lighting Sales Representative prior to finalizing any installation detail utilizing remote ballast wiring.

Failure to comply with specific wiring requirements will void product warranty.

Ballast Option

CPC -Concrete Pour Collar

Material and Finish to Match Faceplate. May be Field Installed prior to permanent installation of side conduit connectors.

# **BALLAST ELECTRICAL DATA**

BALLAST	TYPE	INPUT VOLTS	INPUT WATTS	INPUT CURRENT	CIRCUIT TYPE			EMOTE BALLAST WIRE LENGTH
H35M	Magnetic	120	53	1.10	HX-HPF	-20	)° F	15' Min - 50' Max.
H35M	Magnetic	277	56	0.40	HX-HPF	-20	)° F	15' Min - 50' Max.
H50M	Magnetic	120	72	1.00	HX-HPF	-20	)° F	1' Min - 50' Max.
H50M	Magnetic	277	72	0.50	HX-HPF	-20	)° F	1' Min - 50' Max.
H70M	Magnetic	120	90	1.90	HX-HPF	-20	)° F	1' Min - 50' Max.
H70M	Magnetic	277	90	0.80	HX-HPF	-20	)° F	1' Min - 50' Max.
H100M	Magnetic	120	129	1.50	HX-HPF	-22	°F	1' Min - 50' Max.
H100M	Magnetic	277	118	0.35	HX-HPF	-22	°F	1' Min - 50' Max.
H150M	Magnetic	120	185	1.90	HX-HPF	-22	°F	1' Min - 50' Max.
H150M	Magnetic	277	173	0.75	HX-HPF	-22	°F	1' Min - 50' Max.
H35E*	Electronic	120	44	0.39	HPF	-5	°F	1' Min - 15' Max.
H35E*	Electronic	277	44	0.17	HPF	-5	°F	1' Min - 15' Max.
H50E*	Electronic	120	58	0.49	HPF	-5	°F	1' Min - 15' Max.
H50E*	Electronic	277	58	0.21	HPF	-5	°F	1' Min - 15' Max.
H70E*	Electronic	120	79	0.67	HPF	-5	°F	1' Min - 15' Max.
H70E*	Electronic	277	79	0.29	HPF	-5	°F	1' Min - 15' Max.
H100E*	Electronic	120	110	0.90	HPF	-5	°F	1' Min - 15' Max.
H100E*	Electronic	277	110	0.41	HPF	-5	°F	1' Min - 15' Max.
H150E*	Electronic	120	167	1.40	HPF	-22	°F	1' Min - 15' Max.
H150E*	Electronic	277	167	0.61	HPF	-22	2° F	1' Min - 15' Max.
*	Ballast Manufacture's rec	quirement: Wire	used must only be	18 gauge, SF2 or SFF	2, and be in a dedicated	metal conduit	of 1/2" I.D. Minimum, J	per lamp.
_				40429 Brickyard I	Drive • Madera, CA 9363	3 • USA	SUBMITTAL DATE	DRAWING NUM

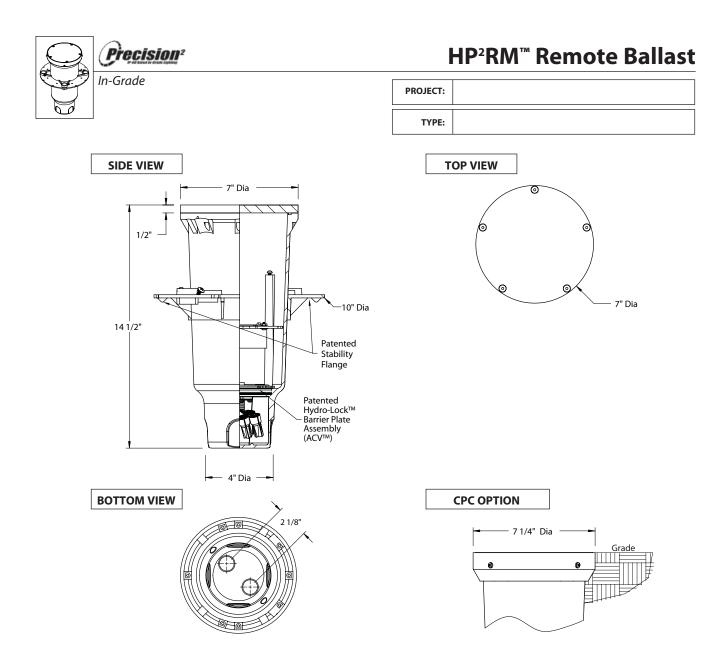


40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 www.bklighting.com • info@bklighting.com

SUBMITTAL DATE 7-29-11

SUB-1797-00

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## **SPECIFICATIONS**

#### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chloro-fluorocarbons (CFC's). RoHs compliant

#### Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

#### Installation

For direct burial in soil or concrete. For use with remote metal halide fixture (specified separately). Suitable for walk-over and drive-over applications.

#### Faceplate

Solid, 1/2" machined faceplate with (5) black oxided, captive, stainless steel mounting screws. Faceplate installs flush to grade.

#### Housing

Corrosion-free composite, made from high strength, thermo-formed, sheet molded polyester compound. Glass reinforced, flame retardant and UV stabilized. (2) Bottom-Entry, 3/4" NPT female conduit entries with knockout plugs and (4) side flats for 1/2" or 3/4" conduit adapters.

Stability Flange Patented, corrosion-free composite flange projects into installation sub-strate to reinforce housing stability. Integral REBAR saddles simplify installation onto concrete form. (4) Orthogonal bosses permit use of 1/2'' PVC conduit or EMT to simplify vertical position and leveling of housing. Pre-set self-tapping screws anchor housing at proper elevation.

#### Water Management

IP-68 rated, vacuum sealed enclosure. Patented Anti-Condensation Valve (ACV<sup>™</sup>) eliminates condensation from ballast chamber. High temperature silicone 'O' Ring at faceplate. Patented HydroLock\* technology provides fail safe water barrier between junction box and interior components. Anti-siphon valve (ASV<sup>™</sup>) prevents "wicking" through conductor insulation.

#### Installation

For direct burial in soil or concrete. Consult Drainage Installation Guide for In-Grade Fixtures (DIG-IT) for compliance with proper soil preparation and drainage requirements prior to installation.

#### Magnetic Ballast

Class H insulated, integral, high power factor, magnetic ballast. 120V or 277V primary voltage, 60Hz. Integral, removable gear tray with quick disconnect and carrying handle.

All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

#### Electronic Ballast

High power factor, integral, electronic ballast. Multi-Tap (120/208/240/277V) primary voltage 50/60Hz. H150E available in 120V, Multi-Tap or 277V primary voltage. 50/60Hz. Integral, removable gear tray with quick disconnect and carrying handle.

#### Wiring / Connectors

Teflon<sup>®</sup> coated wire, 18 gauge, 600V, 250°C rated and certified to UL1659 standard. Gear tray quick disconnects. Patented HydroLock<sup>®</sup> with anti-siphon valve (ASV™) wireway. (5) Water-tight connectors supplied for branch circuit and lamp connection. Maximum (2) #10 & (1) #18. Minimum (1) #12 & (1) #18 per connector.

#### Finish

 $\mathsf{StarGuard}^{\texttt{0}}$  (Pat. Pend.), a 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. RoHs compliant.

#### Warranty

5 year limited warranty.

#### Listings

ETL Listed to ANSI/UL Standard 1598 and Certified to CAN/CSA Standard C22.2 No. 250. IP-68 Rated. RoHs compliant. Made in USA.



\*Teflon is a reaistered trademark of DuPont Corporation



Precision 2" and its features are covered in whole or in part by U.S. Patent Nos. 7,033,038; 6,254,258 B1; 7,249,867 B2; 7,370,988 B2; 7,553,042; 7,560,148; and 7,699,489



# CO<sup>2</sup>RM<sup>™</sup> Remote Ballast

PROJECT:	
TYPE:	
CATALOG NUMBER:	
SOURCE:	
NOTES:	

# **CATALOG NUMBER LOGIC**

			CO2RN	1		
Example		S	- CO2RN	1 - H35E	- POL -	мт
Material Blank - Aluminum Remote Ballast Ho CO2RM - Remote In-	using —			Steel		
Ballast Type ——						
Metal Halide           H35M         -         (35W) Magr           H50M         -         (50W) Magr           H70M         -         (70W) Magr           H100M         -         (100W) Magr           *H150E Availe         -         *	netic H: netic H: netic H:	<b>35E</b> - (35 50E - (50 70E - (70	W) Electronic W) Electronic	H150E - (	100W) Electronic 150W) Electronic	
Aluminum & Br	ass Faceplat	es	Brass Fa	ceplates		
Powder Coat Color	Satin	Wrinkle	Machined	MAC		
Bronze	BZP	BZW	Polished	POL		
Black	BLP	BLW	Mitique™	МІТ	]	
White (Gloss)	WHP	wнw	Stainless F	Faceplates		
Aluminum	SAP	_	Machined	MAC		
			Polished	POL		

#### Also available in Premium Finishes. See submittal SUB-1439-00 for Premium Finishes.

VER

Brushed

BRU

- Input Voltage
  - 120 120 Volt

Verde

- 277 277 Volt
- MT 120/208/240/277 Volt Multi Tap Electronic Ballast Only

### **BALLAST ELECTRICAL DATA**

H35M           H35M           H50M           H50M           H70M           H70M           H100M           H100M	Magnetic Magnetic Magnetic Magnetic Magnetic Magnetic	120 277 120 277 120 277 277	53 56 72 72 90	1.10 0.40 1.00 0.50 1.90	HX-HPF HX-HPF HX-HPF HX-HPF	-20° F -20° F -20° F	15' Min - 5 15' Min - 5 1' Min - 5	50' Max.
H50M H50M H70M H70M H100M	Magnetic Magnetic Magnetic Magnetic Magnetic	120 277 120 277	72 72 90	1.00 0.50	HX-HPF	-20° F	1' Min - 5	
H50M H70M H70M H100M	Magnetic Magnetic Magnetic Magnetic	277 120 277	72 90	0.50				0' Max.
H70M H70M H100M	Magnetic Magnetic Magnetic	120 277	90		HX-HPF	00° F		
H70M H100M	Magnetic Magnetic	277		1.90		-20° F	1' Min - 5	0' Max.
H100M	Magnetic		00		HX-HPF	-20° F	1' Min - 5	0' Max.
			90	0.80	HX-HPF	-20° F	1' Min - 5	0' Max.
H100M		120	129	1.50	HX-HPF	-22° F	1' Min - 5	0' Max.
	Magnetic	277	118	0.35	HX-HPF	-22° F	1' Min - 5	0' Max.
H150M	Magnetic	120	185	1.90	HX-HPF	-22° F	1' Min - 5	0' Max.
H150M	Magnetic	277	173	0.75	HX-HPF	-22° F	1' Min - 5	0' Max.
H35E*	Electronic	120	44	0.39	HPF	-5° F	1' Min - 1	5' Max.
H35E*	Electronic	277	44	0.17	HPF	-5° F	1' Min - 1	5' Max.
H50E*	Electronic	120	58	0.49	HPF	-5° F	1' Min - 1	5' Max.
H50E*	Electronic	277	58	0.21	HPF	-5° F	1' Min - 1	5' Max.
H70E*	Electronic	120	79	0.67	HPF	-5° F	1' Min - 1	5' Max.
H70E*	Electronic	277	79	0.29	HPF	-5° F	1' Min - 1	5' Max.
H100E*	Electronic	120	110	0.90	HPF	-5° F	1' Min - 1	5' Max.
H100E*	Electronic	277	110	0.41	HPF	-5° F	1' Min - 1	5' Max.
H150E*	Electronic	120	167	1.40	HPF	-22° F	1' Min - 1	5' Max.
H150E*	Electronic	277	167	0.61	HPF	-22° F	1' Min - 1	5' Max.
*Balla	ast Manufacture's requ	uirement: Wire	used must only be	18 gauge, SF2 or SFF2	, and be in a dedicated	metal conduit of 1/2" I.[	). Minimum, per lamp.	



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usa submittal date n 7-29-11

SUB-1798-00

# A REMOTE WIRING

Remote ballast installations require inter-connected wiring between the lamp and ballast (by others) and have specific wiring requirements between these components. Ballast manufacturers regularly recommend the following wiring details for such installations.

### **Electronic Ballast**

- 1 Foot Minimum and 15 Foot Maximum Remote Wire Length (Ballast to Lamp Socket).
- Lamp leads must be run in a separate, dedicated metal conduit.
- Lamp leads must be 18 gauge, wire type SF-2 or SFF-2.
- Lamp leads must be placed in a minimum 1/2" internal diameter conduit, pipe, or flexible conduit.
- The use of metal clad cable assemblies or service power cords (SJ, SO, etc.) is prohibited.

#### **Magnetic Ballast**

- 35 Watt = 15 Foot Minimum and 50 Foot Maximum Remote Wire Length (Ballast to Lamp Socket).
- >35 Watt = 1 Foot Minimum and 50 Foot Maximum Remote Wire Length (Ballast to Lamp Socket).

Please consult the factory through your local B-K Lighting Sales Representative prior to finalizing any installation detail utilizing remote ballast wiring.

Failure to comply with specific wiring requirements will void product warranty.

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**SIDE VIEW** 

1/2"

14 1/2"

**BOTTOM VIEW** 

7 1/2" Dia

4" Dia

1/8'

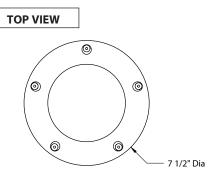
0" Dia

Patented Stability Flange

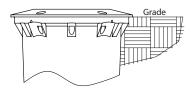
Patented Hydro-Lock™ Barrier Plate Assembly (ACV™)

# CO<sup>2</sup>RM<sup>™</sup> Remote Ballast

PROJECT:	
TVDE	



INSTALLATION DETAIL



All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

#### Wiring / Connectors

Teflon<sup>®</sup> coated wire, 18 gauge, 600V, 250°C rated and certified to UL1659 standard. Gear tray quick disconnects. Patented HydroLock<sup>®</sup> with anti-siphon valve (ASV<sup>®</sup>) wireway. (5) Water-tight connectors supplied for branch circuit and lamp connection. Maximum (2) #10 & (1) #18. Minimum (1) #12 & (1) #18 per connector.

#### Finish

StarGuard® (Pat. Pend.), a 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating. RoHs compliant.

### Warranty

5 year limited warranty.

Listings ETL Listed to ANSI/UL Standard 1598 and Certified to CAN/CSA Standard C22.2 No. 250. IP-68 Rated. RoHs compliant. Made in USA.



Teflon is a registered trademark of DuPont Corporation

SPECIFICATIONS GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced onsite. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chloro-fluorocarbons (CFC's). RoHs compliant

#### Materials

Furnished in Copper-Free Aluminum (Type 6061-T6), Brass (Type 360) or Stainless Steel (Type 304).

#### Installation

For installation into finished architectural hardscape materials (i.e. tile, stone, pavers). For use with remote metal halide fixture (specified separately). Suitable for walk-over and drive-over applications.

#### Faceplate

Solid, 1/2" machined faceplate with (5) black oxided, captive, stainless steel mounting screws. 1/4" continuous flange conceals seam between housing and hardscape material. Faceplate installs above grade. ADA compliant.

### Housing

Corrosion-free composite, made from high strength, thermo-formed, sheet molded polyester compound. Glass reinforced, flame retardant and UV stabilized. (2) Bottom-Entry, 3/4" NPT female conduit entries with knockout plugs and (4) side flats for 1/2" or 3/4" conduit adapters.

#### **Stability Flange**

2 1/8

Patented, corrosion-free composite flange projects into installation sub-strate to reinforce housing stability. Integral REBAR saddles simplify installation onto concrete form. (4) Orthogonal bosses permit use of 1/2" PVC conduit or EMT to simplify vertical position and leveling of housing. Pre-set self-tapping screws anchor housing at proper elevation.

#### Water Management

IP-68 rated, vacuum sealed enclosure. Patented Anti-Condensation Valve (ACV<sup>m</sup>) eliminates condensation from ballast chamber. High temperature silicone 'O' Ring at faceplate. Patented HydroLock® technology provides fail safe water barrier between junction box and interior components. Anti-siphon valve (ASV™) prevents "wicking" through conductor insulation.

#### Installation

For direct burial in soil or concrete. Consult Drainage Installation Guide for In-Grade Fixtures (DIG-IT) for compliance with proper soil preparation and drainage requirements prior to installation.

#### Magnetic Ballast

Class H insulated, integral, high power factor, magnetic ballast. 120V or 277V primary voltage, 60Hz. Integral, removable gear tray with quick disconnect and carrying handle.

#### Electronic Ballast

High power factor, integral, electronic ballast. Multi-Tap (120/208/240/277V) primary voltage 50/60Hz. H150E available in 120V, or 277V primary voltage. 50/60Hz. Integral, removable gear tray with quick disconnect and carrying handle.



Precision 2" and its features are covered in whole or in part by U.S. Patent Nos. 7,033,038; 6,254,258 B1; 7,249,867 B2; 7,370,988 B2; 7,553,042; 7,560,148; and 7,699,489

