

DESCRIPTION

The Steeler combines computerized design, durable cold-rolled steel and a field-adjustable reflector to provide a degree of versatility unmatched in other industrials. U.L. listed and labeled for damp location. CSA Certified.

APPLICATION

The Steeler is perfect for warehouses, gymnasiums, assembly areas, hangars, manufacturing and automotive service areas.

SPECIFICATION FEATURES

A...Mounting

Easy slide-on die-cast aluminum mounting box with tapped opening for 3/4" conduit.

B...Housing

Heavy-duty, formed steel housing with an open air ballast for cooler operation is finished in a white polyester powder coat.

C...Ballast

High power factor ballast with class H insulation. Minimum starting temperature is -40°C (-40° F) for HPS and -30°C (-20° F) for MH, MP and ML. U.L. listed and CSA certified.

D...Universal Brackets

Universal ladder brackets allow for the flexibility to change out with other reflectors available in acrylic or glass.

E...Socket

Mogul-base porcelain socket. 150W MH and below is medium-base.

F...Reflector

Computer-designed, field-adjustable reflector mounts easily and allows multiple distribution patterns for precise control.

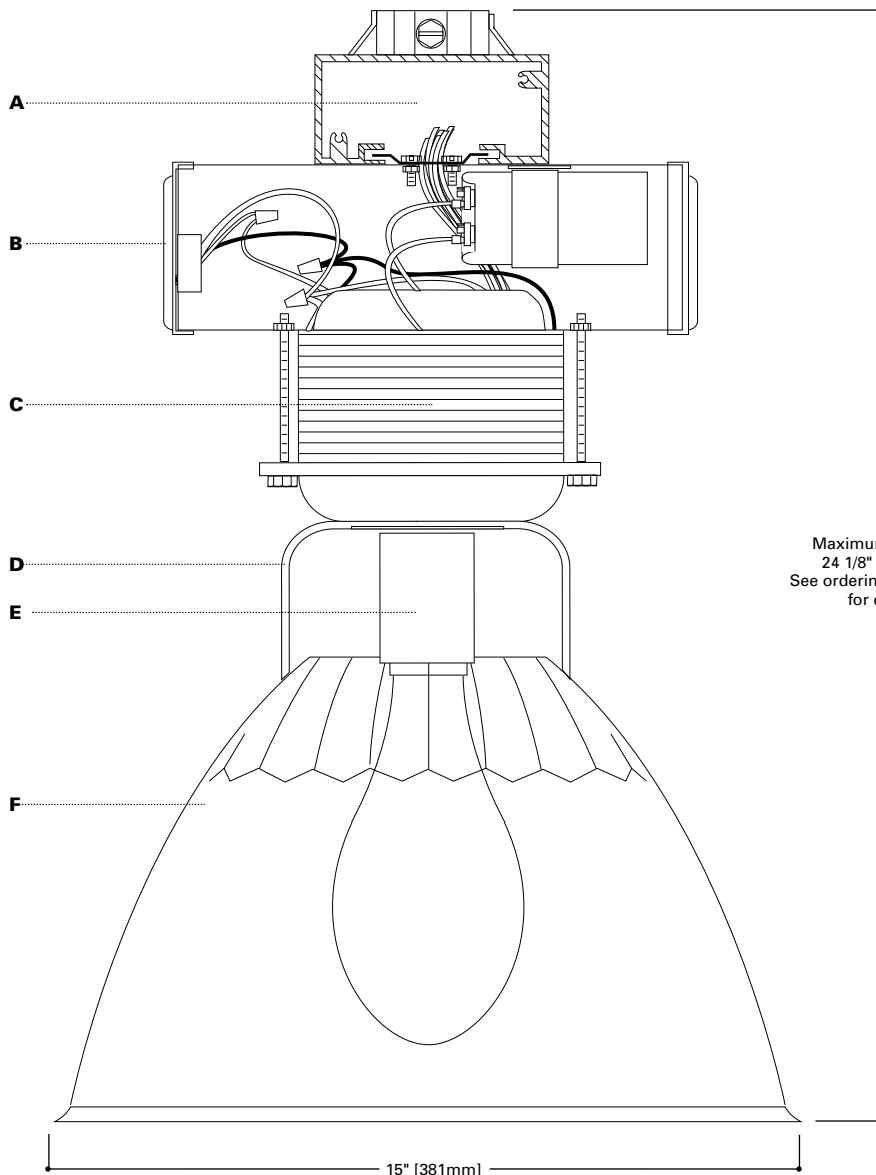


SS15" STEELER

7 0 - 4 5 0 W

**High Pressure Sodium
Metal Halide
Metal Halide Pulse Start**

**HIGH-BAY
INDUSTRIAL LUMINAIRE**



TECHNICAL DATA

65° Ambient Environment .
90° Supply Wire Rating.

IES FILES (MEDIUM DISTRIBUTION)

MH-250 #766329
MH-400 #766352

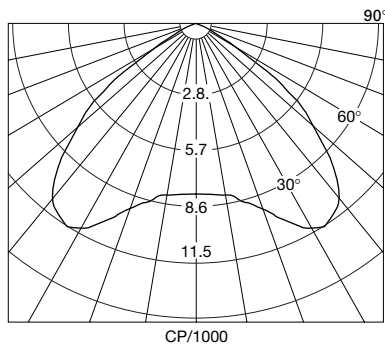
ENERGY DATA

Reactor Ballast Input Watts
70W HPS NPF/HPF (82 Watts)
100W HPS NPF/HPF (118 Watts)
150W HPS NPF/HPF (175 Watts)
150W MH NPF/HPF (185 Watts)

CWI Ballast Input Watts
250W HPS HPF (300 Watts)
250W MH HPF (300 Watts)
400W HPS HPF (465 Watts)
400W MH HPF (475 Watts)

CWA Ballast Input Watts
175W MH HPF (210 Watts)
250W HPS HPF (300 Watts)
250W MH HPF (295 Watts)
320W MP HPF (365 Watts)
350W MP HPF (395 Watts)
400W HPS HPF (465 Watts)
400W MP HPF (448 Watts)
400W MH HPF (455 Watts)

PHOTOMETRICS



Coefficients Of Utilization

rc	Effective floor cavity reflectance																							
	80%				70%				50%				30%				10%				0%			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
RCR																								
1	88	85	82	80	86	83	80	78	79	77	76	76	74	73	73	72	71	69						
2	81	76	71	67	79	74	70	66	71	68	65	68	66	63	66	64	62	60						
3	75	67	62	57	73	66	61	57	64	59	56	61	58	55	59	56	53	52						
4	69	60	54	49	67	59	53	49	57	52	48	55	51	47	53	50	47	45						
5	63	54	47	43	62	53	47	42	51	46	42	50	45	41	48	44	41	39						
6	58	49	42	37	57	48	42	37	46	41	37	45	40	36	44	39	36	34						
7	54	44	37	33	53	43	37	33	42	36	32	41	36	32	40	35	32	30						
8	50	40	34	29	49	39	33	29	38	33	29	37	32	29	36	32	28	27						
9	47	37	30	26	46	36	30	26	35	30	26	34	29	26	33	29	25	24						
10	44	33	27	23	43	33	27	23	32	27	23	31	26	23	31	26	23	22						

Candlepower	
Degree	CP
0	8239
5	8267
15	8876
25	10507
35	11400
45	9156
55	5072
65	969
75	226
85	23
95	6
105	19
115	14
125	15
135	33
145	68
155	503
165	236
175	15
180	14

Spacing Criterion 1.8

Zone	%Lamp	Zone	%Lamp
0-30	22.8	0-90	78.0
0-40	42.3	90-180	1.2
0-60	73.9	Total	79.2

MHSS-SA15-M-400
400-Watt MH, Medium Distribution
36,000-Lumen Clear Lamp

ORDERING INFORMATION

SAMPLE NUMBER: HPSS-SA15-M-150-MT-Q

SS **15**

Lamp Type
HP=High Pressure Sodium¹
MH=Metal Halide
MP=Pulse Start MH (CWA)²
ML=Pulse Start MH (Linear Reactor)^{2,3}

Reflector Type
SA=Anodized Spun Aluminum
SGB=Safety Glass Bottom⁴

Reflector Diameter
15=15"

Socket Position/Distribution⁵
C=Concentrated
M=Medium
W=Wide

Lamp Wattage
70=70W⁶
100=100W⁶
150=150W⁶
175=175W
200=200W³
250=250W
320=320W³
350=350W³
400=400W
450=450W³

Voltage⁷
120V
208V
240V
277V
347V
480V
MT=Multi-Tap⁹
TT=Triple-Tap⁹
5T=5-Tap¹⁰

Options (add as suffix)
F1=Single Fuse—120, 277 or 347V (Specify single voltage only)
F2=Double Fused—208, 240 or 480V (Specify single voltage only)
Q=Quartz Restrike DC Bayonet Base (Hot strike only)
QD=Quick Disconnect Die-Cast Pendant Mount Box—Specify single voltage (Not compatible with PC3, PHC, C3, MWS or HC)¹¹
RM=Remote Mount
EM=Quartz Restrike with "Delay Relay" (Strikes at cold start)
EM/SC=Emergency Separate Circuit
SCF=3' Aircraft Safety Cable—Housing to Ceiling
SCR=Aircraft Safety Cable—Housing to Reflector
SS=Space Saver Feature
MWS=Modular Wiring System Available. Consult Factory
P=Pre-set socket position from Factory. Specify desired position¹¹
HL=LumaWatt Fixture Control Module (Allows low voltage control wire to be daisy-chained between fixtures outside AC conduit run similar to low voltage intercoms, fire alarms and phone systems)¹²
HC=LumaWatt Fixture Control Module (Low voltage leads pulled out of top connection box for areas requiring all wiring to be installed in conduit)^{12,13}
OR=Open rated socket (Consult lamp manufacturer).¹⁴

Accessories (order separately)
FH-1=Fixture Hook
FL-1=Fixture Loop
SHK=Hook with Safety Screw
PC3=3' Cord for with NEMA Plugs (120V-L5-15P, 208V-L6-15P, 240V-L6-15P, 277V-L7-15P, 347V-L37-20P and 480V-L8-20P) Other Lengths Available. Requires FH-1 or FL-1. Use with TPPH-NEMA. Specify Voltage
PHC=Power Cord and Plug (18" cord, non-NEMA plug requires FL-1 and TPPH)
TPPH-NEMA=Thru-way Pendant Power Hook. Requires FL-1 and PC3. Specify Voltage
TPPH=Thru-Way Pendant Power Hook Requires FL-1 and PHC. Specify Voltage
TPPH-F=Thru-Way Pendant Power Hook—Single Fuse, 120, 277 or 347 Volt. Requires FL-1 and PHC. Specify Voltage
TPPH-F2=Thru-Way Pendant Power Hook—Double Fused, 208, 240 or 480 Volt. Requires FL-1 and PHC. Specify Voltage
TPPH-F-OD=Thru-Way Pendant Power Hook—Single Fuse, Quick Disconnect. Requires FL-1 and PHC. Specify Voltage
TPPH-F2-OD=Thru-Way Pendant Power Hook—Double Fused, Quick Disconnect. Requires FL-1 and PHC. Specify Voltage
TWMBS=Thru-way Mounting Box
WG15=Wire Guard (not compatible with "SGB15")
WG15/GLC=Gym Wire Guard w/ Safety Glass
C3=3' Cord-No Plug—Requires FH-1 or FL-1
MBT=Twin Mount Bracket (Fixtures must be same voltage and without hooks, loops or plugs)
SGB15=Safety Glass Bottom (not compatible with "WG15")
BZ=Bronze Finish
LL=Lamp Included
QLL=Quartz Lamp Included

Series
SS=Steeler

STOCK SAMPLE NUMBER: MHSS40-5T

SS **40** - **5T**

Lamp Type
HP=High Pressure Sodium
MH=Metal Halide
MP=Pulse Start Metal Halide (CWA)

Lamp Wattage
40=400W
40Q=400W and Quartz Restrike¹⁵
408=400W (Canada, Triple-Tap Ballast)

Options
5T=5-Tap Ballast¹⁰

NOTES: Options not available with stock products. Order Accessories as separate items for field installation. Refer to standard ordering information to add options and accessories.

Series
SS=Steeler

Stock Catalog Number	Production Catalog Number	Lamp Type/Base	Lamp Wattage	S/MH	Distribution	Net Wt. (lbs.)	Fixture Height	Shipping Volume (cu. ft.)
HPSS40	HPSS-SA15-M-400-MT-LL	HPS/Mogul	400	1.8	Medium	29	24 1/8" (613mm)	Ballast-
HPSS40Q	HPSS-SA15-M-400-MT-Q-LL-QLL	HPS/Mogul	400	1.8	Medium	30	24 1/8" (613mm)	1/ctn.
MHSS40	MHSS-SA15-M-400-MT-LL	MH/Mogul	400	1.6	Medium	26	24 1/8" (613mm)	0.80
MHSS40Q	MHSS-SA15-M-400-MT-Q-LL-QLL	MH/Mogul	400	1.6	Medium	27	24 1/8" (613mm)	Reflector-
MHSS40-5T	MHSS-SA15-M-400-5T-LL	MH/Mogul	400	1.6	Medium	26	24 1/8" (613mm)	10/ctn.
MHSS40Q-5T	MHSS-SA15-M-400-5T-Q-LL-QLL	MH/Mogul	400	1.6	Medium	27	24 1/8" (613mm)	2.40
MPSS40	MPSS-SA15-M-400-MT-LL	MP/Mogul	400	1.8	Medium	26	24 1/8" (613mm)	
MPSS40Q	MPSS-SA15-M-400-MT-LL-QLL	MP/Mogul	400	1.8	Medium	26	24 1/8" (613mm)	Unit Pack-
	MHSS-SGB15-M-250-MT	MH/Mogul	250	1.4	Medium	20	24 1/8" (613mm)	1/ctn.
	MPSS-SGB15-M-175-MT	MP/Mogul	175	1.4	Medium	18	24 1/8" (613mm)	2.7
	MPSS-SGB15-M-250-MT	MP/Mogul	250	1.4	Medium	20	24 1/8" (613mm)	

NOTES: ⁽¹⁾ Not available in 175W.
⁽²⁾ 175, 200, 250, 320, 350, 400, 450W only.
⁽³⁾ 277V only. Not available with Q, EM, HL or HC option.
⁽⁴⁾ Approved lamp containment barrier required when enclosed rated MP/ML/MH lamps are used.
⁽⁵⁾ Factory set for concentrated, medium or wide distributions only if "P" factory pre-set is in the nomenclature of the fixture. Otherwise fixture is shipped in medium setting for 18" reflector.
⁽⁶⁾ Medium-base socket for MH.
⁽⁷⁾ Products also available in non-US voltages & 50HZ for international markets.
⁽⁸⁾ Multi-tap ballast 120/208/240/277V.
⁽⁹⁾ Triple-tap ballast 120/277/347V.
⁽¹⁰⁾ 5-Tap ballast 120/208/240/277/480V. 400W MH only.
⁽¹¹⁾ QD not compatible.
⁽¹²⁾ 30 second time delay when switching from bright to dim above 400W. Consult individual lamp manufactures recommendations for compatible lamps. For use with CWA ballast only.
⁽¹³⁾ Not available with QD, PC3, C3, PHC or MWS.
⁽¹⁴⁾ Required in applications where open rated restricted base lamp is used. Socket is "PINK".
⁽¹⁵⁾ 250W Quartz lamp factory installed.

NOTE: Specifications and Dimensions subject to change without notice.