

LIGHTING EQUIPMENT

Circle D Heavy Duty Floodlights

The Circle D sealed beam flood lamp fixture is the number one choice of compact and rugged, built for continuous trouble free service. Features include:

- Thick wall cast aluminum housing
- Spring loaded adjusting socket
- Vertical and horizontal adjustment
- Double lamp support
- All weatherproof



MODEL 601-150/200/300w INCANDESCENT FIXTURE

Single light unit for 150PAR38, 200 or 300 watt R40 medium base lamp. (lamp not included)
601 R40 Medium base fixture
SY-406H Guard



MODEL 101-200/300/500w INCANDESCENT FIXTURE

Single light unit for 200, 300, 500 watt R40 Mogul base lamp. (lamp not included)
101 R40 Mogul base fixture
SY-400 Guard



MODEL 150-200/300/ 500W PORTABLE

Single light unit for R40 incandescent lamp, mogul base. (Less lamp and cord.)
150G R40 Mogul base portable with guard



MODEL 164-500PAR56 QUARTZ PORTABLE

Single light unit for 500PAR56, 120 V quartz sealed beam lamp, up to 93,000 CP 5 degree narrow beam lamp. (Lamp not included)
164G 500PAR56 120 V quartz portable with guard



MODEL 101M-750.1000/ 1500W INCANDESCENT OR 250/400W MERCURY VAPOR FIXTURE

Single light unit for 750 and 1000 watt R60 incandescent lamp, 1500W R80 incandescent lamp, and 250 or 400 W R60 Mercury Vapor Lamps. (lamps not included)
101M R60/R80 Mogul base fixture
SY-415 Guard



MODEL 1105-S MACHINE LIGHT

Fully adjustable machine light for 150, 200 or 300 W PAR38 or R40 medium base lamps. (lamp not included)
1105-S Machine light



MODEL 1802-DOUBLE 70W HPS FIXTURE

Two light unit for 70W PAR38 HPS sealed beam flood lamps, complete with NPF ballast and lamp. Also available as a single light fixture, model 1801.
1801 Single 70PAR38 HPS 120 V NPF
1802 Double 70PAR38 HPS 120 V NPF
AT-15 Photo cell (not shown)
SY-406-H Guard



MODEL 3011 MARINE LIGHT

U. S. Coast Guard approved light for use with PAR56 lamps. (lamp not included)
3011 Marine light
P3011 Guard



MODEL PF-52S HPS FIXTURE

Excellent area light features Lexan lens, complete with NPF ballast and lamp.
PF-52-35 35W, 120 V HPS, NPF
PF-52-50 50W, 120 V HPS, NPF
AT-15 Photo Cell (not shown)



SHOCK MOUNTS

P-18 Shock Mount (needs 202C Box)
202C Junction box with flange base
1/2" inlet two sided solid cover

CRANE LIGHTS - METAL HALIDE LAMPS



Indoor Metal Halide Crane Lights



Outdoor Metal Halide Crane Lights

400 W MH Pulse Start Indoor Fixture

Cast aluminum spring loaded socket and reflector support provides a reliable indoor crane light for 400 W Pulse Start Metal Halide Lamps. Suitable for use in open fixtures.

Features:

- 25% increase in light output over standard MH Lamps.
- 50% faster warm-up and restrike time.
- 50% increase in life when compared to switch start MH Lamps.
- Protected Pulse Start Lamp contains arc tube rupture that can occur at the end of lamp life. In compliance with the NEC code and EISA.
- The EISA Ballast Requirement covers Wattages of 500 Watts or less.
- Size: 14" Dia. X 16 3/4" High
- Contains EX39 exclusionary "pink" mogul socket

400-CLPS Indoor 400 W. fixture for ED37, E37 or BT37 Pulse Start MH Lamp

400 W MH Pulse Start Outdoor Fixture

Cast Aluminum spring loaded socket to securely hold the 400 W Pulse Start Lamp against a cushion gasket. This double lamp support provides the best method to resist shock and vibration along with a weatherproof seal.

- Size: 14" Dia. X 19 1/2" High
- In compliance with NEC and EISA
- Contains EX39 exclusionary "Pink" Mogul Socket

400-WPPS Outdoor 400 W fixture for ED37, E37 or BT37 Pulse Start MH Lamp.

Shock Mounts & Junction Boxes



P-19 Shock Mount

211 Junction Box

SM-3/4 HD Shock Mt

1000 W MH Type "O" Protected Lamp

Cast aluminum fixture featuring a spring loaded socket to securely hold the Type O Protected BT56 MH lamp. The Type-O Rated MH Lamps include an internal quartz shroud covering the Arc Tube to contain Arc Tube rupture that can occur at the end of lamp life.

Features:

- NEC Code compliant
- Contains EX39 exclusionary "pink" mogul socket.
- Size: 1000-CLPS: 14" Dia. X 19 3/4" High
- Size: 1000-RPS: 14" Dia. X 17" High

1000-CLPS
1000-RPS

Indoor 1000 W Fixture for Type O Protected BT56 Lamp
Outdoor 1000 W Fixture for Type O Protected BT56 Lamp

QUICK-PICK ORDERING CHART - Pulse Start & Type O Lamps

Indoor Watts	Voltage	Fixture	Lamp No.	Ballast No.
400	120/208/240/277/480	400-CLPS	MP400/BU/PS	78E6052EE
Outdoor - Pulse Start Lamp & Pulse Start Ballast ANSI M155/M135/M128/O				
400	Specify AC Voltage	400-WPPS	MP400/BU/PS	400-MH-PS-WP-BE
Indoor - Type O Rated MH Lamps & Probe Start Ballast ANSI M47/O				
1000	120/208/240/277	1000-CLPS	MP1000/BU	78E6592
1000	480	1000-CLPS	MP1000/BU	78E6542
Outdoor - Type O Rated MH Lamps & Probe Start Ballast ANSI M47/O				
1000	120/208/240/277	1000-RPS	MP1000/BU	79W6592
1000	480	1000-RPS	MP1000/BU	79W6542

NOTE: Contact Sales for 1000 Watt Pulse Start Metal Halide

CRANE LIGHTS - 250 DC MV & AC HPS



IndoorCrane Lights



OutdoorCrane Lights

400-CL & 1000-CL 250 DC MV & AC HPS

Cast aluminum spring loaded socket and reflector support provides a reliable indoor crane light for 250 DC Mercury Vapor and AC HPS lamps. The highly polished reflector gives a medium beam spread. For additional protection against shock and vibration, include one of the shock mounts illustrated below.

The 250 DC Mercury Vapor fixture & lamp combination utilizes a current limiting resistor for operation of a mercury vapor lamp on 250 DC input voltage. This resistor acts as a special ballast for 250 DC and is intended for overhead crane applications only, not for general illumination.

400-CL Indoor 400 W MV & HPS, ED18, BT37, E37 & ED37 Lamps
 1000-CL Indoor 1000 W MV & HPS. E25 & BT56 Lamps

- Size: 400-CL - 14" Dia. X 16 3/4" High
- Size: 1000-CL - 14" Dia. X 18 3/4" High

Shock Mounts & Junction Boxes



P-19 Shock Mount

211 Junction Box

SM-3/4 HD Shock Mt

400-WP, 1000-R & 750-R 250 DC MV

Cast aluminum weatherproof fixture featuring a spring loaded socket to securely hold HID, Self-Ballasted Mercury Vapor and incandescent lamps against a cushion gasket. This double lamp support provides the best method to resist shock and vibration. For additional protection against shock and vibration, include one of the shockmounts illustrated below.

400-WP Outdoor 400 W MV BT37, E37 & ED37 Lamps
 14" dia. x 19 1/2" High
 1000-R Outdoor 1000 W MV BT56 Lamps - 14" Dia. X 17 1/2" High
 400-R Outdoor 400 W MV R60 Lamps - 11" Dia. X 16" High
 750-R Outdoor 750 W Self-Ballasted 250 DC MV R57 Lamps
 14" Dia. X 19 1/2" High

QUICK-PICK ORDERING CHART

250 VDC Cranes - Mercury Vapor Lamps & Self-Ballasted MV Lamps

Watts	Voltage	Fixture no.	Lamp No.	Resistor Ballast No.	
				Indoor	Outdoor
400	250 DC	400-R	H33LN-400	2600	2500A
400	250 DC	400-CL	H33GL-400/DX	2600	N. A.
400	250 DC	400-WP	H33GL-400/DX	N. A.	2500A
750	250 DC	750-R	M750R5/7FL	N. A.	N. A.
1000	250 DC	1000-CL	H34GW-1000/DX	2700	N. A.

AC Cranes - High Pressure Sodium (indoor only)

400	Specify	400-CL	LU400	Select from List Below
1000	Specify	1000-CL	LU1000	Select from List Below

High Pressure Sodium Indoor Ballasts

400	120/208/240/277	78E8493
400	480	78E8443
1000	120/208/240/277	78E8793-001
1000	480	78E8743-001

250 VDC BALLASTS & SHOCK MOUNTS

400 WATT BALLASTS

1000 WATT BALLAST



Solve 250 VDC cranelight lighting by installing MERCURY VAPOR The resistors employed in these ballasts are wire wound on ceramic core resistor ballasts. Convert fragile, short life incandescent lighting into heavy duty long life mercury vapor.

The enclosures are heavy gauge steel with the outdoor 400 Watt version a NEMA 3 louvered box.

MODEL NUMBER	LAMP TYPE	OVERALL DIMENSIONS
2500A	1- 400 W. H33-1 Outdoor	12"H X 8"W X 5"D
2600	1- 400 W. H33-1 Indoor	Same
2700	1- 1000 W. H34-12 Indoor	14" H X 12" W X 6" D

NOTICE: The above Resistor Ballasts are for 250 DC Cranes and not for general illumination

SUPER HEAVY DUTY SHOCK MOUNT

HEAVY DUTY SHOCK MOUNT



Extend lamp life with this cast aluminum shock mount. The lighting fixture floats on a solid rubber base that absorbs shock and vibration. A ground connection is installed between the top and bottom of the shock mount for added safety.

- 100% weatherproof
- Extra thick casting
- 1/2" or 3/4" IPS models

SM-1/2 1/2" IPS SM
SM-3/4 3/4" IPS SM



This combination shock mount and junction box protects against shock and vibration while offering the added feature of a junction box. The shock mount must be ordered with the junction box. The junction box can be ordered separately.

- Four bolt flange base shock mount.
- 3/4" IPS inlet each end, solid cover junction box.
- 3/4" IPS for swivel arm.

P-19 ShockMount
211 Junction Box

HEAVY DUTY QUARTZ FLOODS



HEAVY DUTY QUARTZ FLOODLIGHTS

Extra heavy duty Aluminum housing featuring a shock mount option that qualifies these fixtures for applications of excessive vibration such as overhead cranes, steel mill material handling equipment including 250 VDC equipment. The unique shock mounts used with these fixtures float on a solid rubber base that absorbs shock and vibration. Models shown have shock mounts installed. Lamps not included.

Note: 240 V lamps are suitable for 250 VDC.

Fixtures:

500Q 500W Medium Beam 3/4" Swivel (not shown)
500QSM 500W Medium Beam 3/4" Swivel with shock mount
1500Q 1500W Medium Beam 3/4" Swivel (not shown)
1500QSM 1500W Medium Beam 3/4" Swivel with shock mount

Lamps:

500T3Q/CL 500 W 120 V Quartz lamp 12/ctn
500T3Q/CL/240 500W 240 V Quartz lamp 12/ctn
1500T3Q/CL 1500W 240 V Quartz lamp 12/ctn

Parts:

L-1 1500W Glass fixture lens
L-2 500W Glass fixture lens
SM-3/4 3/4" Heavy duty shock mount
SM-1/2 1/2" Heavy duty shock mount

Self Ballasted Mercury Vapor Lamps

Outstanding Features:

- Up to 16,000 hours lamp life
- 60% brighter than incandescent lamps
- Need no ballast
- Will start below 0°F. Full range of voltage & wattage.



MERCANDESCENTS for 115V—120V-120V

Catalog Number	Description (See Footnote No.)	Nominal Watts	Bulb	Base and Burning Position ⁽¹⁾	Volts ⁽²⁾	Std. Pkg.	Max. Overall Length (Inches)	Approx. Initial Lumens	Max. Beam Candle-power	Starting Current (Amps.)	Operating Current (Amps.)	Average Hours Life ⁽³⁾
M100B2/W	Deluxe White	100	B-21 ⁽⁴⁾	Med.	120	32	6¼	1650	—	1.1	.8	12000
M160PS2/W	Super White	160	PS-30 ⁽⁴⁾	Med.	120	24	7½/16	3125	—	1.6	1.3	12000
M160E2/W	Super White		E-23 ⁽⁴⁾	Med.	120	24	6¾/16	3125	—	1.6	1.3	12000
M160E3/W	★ Super White		E-23 ⁽⁵⁾	Med.	120	24	6¾/16	3125	—	1.6	1.3	12000
M160R3/FL	★ Refl. Flood ⁽⁷⁾		R-40 ⁽⁷⁾	Med.	120	24	6¾/16	—	1400	1.6	1.3	12000
M160PAR2/FL	★ Proj. Flood ⁽⁷⁾		PAR-38 ⁽⁵⁾	Med. Skt.	120	24	6½	—	4200	1.6	1.3	12000
M250PS2/W	Super White		250	PS-35 ⁽⁴⁾	Med.	120	24	9	5750	—	2.8	2.2
M250PS4/W	Super White	Mogul		120	24	9¾	5750	—	2.8	2.2	12000	
M250E3/W	★ Super White	E-28 ⁽⁵⁾		Med.	120	24	8¾	5750	—	2.8	2.2	12000
M250E4/W	★ Super White	Mogul		120	24	8½	5750	—	2.8	2.2	12000	
M250R3/FL	★ Refl. Flood ⁽⁷⁾	R-40 ⁽⁵⁾		Med.	120	24	6¾/16	—	2650	2.8	2.2	12000
M250R4/FL	★ Refl. Flood ⁽⁷⁾	Mogul		120	24	7	2650	2.8	2.2	12000		
M300E2/W	★ Super White	300	E-28 ⁽⁵⁾	Med. Skt.	120	12	8¾	6750	—	3.5	2.9	14000
M300E4/W	★ Super White		Mogul	120	12	8½/16	6750	—	3.5	2.9	14000	
M300R2/FL	★ Refl. Flood ⁽⁷⁾		R-40 ⁽⁵⁾	Med. Skt.	120	12	7½	—	2900	3.5	2.9	14000
M300R4/FL	★ Refl. Flood ⁽⁷⁾		Mogul	120	12	7	—	2900	3.5	2.9	14000	
M500E3/W	★ Super White	500	E-37 ⁽⁵⁾	Mogul	120	6	11¾	11780	—	5.6	4.2	16000
M500R5/FL	★ Refl. Flood ⁽⁷⁾		R-57 ⁽⁵⁾	Mogul	120	6	12¾	—	18000	5.6	4.2	16000
M500R5/W	★ Refl. White ⁽⁸⁾				6	12¾	—	5000	5.6	4.2	16000	
M750BT4/W	★ Super White	750	BT-46 ⁽⁵⁾	Mogul	120	6	14½	21000	—	8.5	6.3	16000
M750R5/FL	★ Refl. Flood ⁽⁷⁾		R-57 ⁽⁵⁾	Mogul	120	6	12¾	—	32000	8.5	6.3	16000
M750R5/W	★ Refl. White ⁽⁸⁾				6	12¾	—	8000	8.5	6.3	16000	

MERCANDESCENTS for 208V—220V—250V—277V

M160E2/4W	Super White	160	E-23 ⁽⁴⁾	Med.	208 ⁽⁹⁾	24	6¾/16	3520	—	.9	.8	12000
M160E2/6W	Super White				230 ⁽¹⁰⁾	24	6¾/16	3520	—	.8	.7	12000
M250E2/6W	Super White	250	E-28 ⁽⁴⁾	Med.	230 ⁽¹⁰⁾	24	8¾	6250	—	1.5	1.1	12000
M300E4/8W	★ Super White	300	E-28 ⁽⁵⁾	Mogul	277 ⁽¹⁵⁾	12	8½/16	7400	—	1.6	1.1	14000
M500E3/4W	★ Super White	500	E-37 ⁽⁵⁾	Mogul	208 ⁽⁹⁾	6	11¾	14750	—	3.5	2.4	16000
M500E3/6W	★ Super White				230 ⁽¹⁰⁾	6	11¾	14750	—	3.3	2.2	16000
M500E3/8W	★ Super White				277 ⁽¹⁵⁾	6	11¾	14750	—	2.7	1.9	16000
M500R5/6FL	★ Refl. Flood ⁽⁷⁾				R-57 ⁽⁵⁾	Mogul	230 ⁽¹⁰⁾	6	12¾	—	20700	3.3
M500R5/8FL	★ Refl. Flood ⁽⁷⁾				277 ⁽¹⁵⁾	6	12¾	—	20700	2.7	1.9	16000
M750R5/4FL	★ Refl. Flood ⁽⁷⁾	750	R-57 ⁽⁵⁾	Mogul	208 ⁽¹¹⁾	6	12¾	—	40000	5.2	3.7	16000
M750R5/6FL	★ Refl. Flood ⁽⁷⁾				230 ⁽¹²⁾	6	12¾	—	42000	4.9	3.3	16000
M750R5/7FL	★ Refl. Flood ⁽⁷⁾				250 ⁽¹³⁾	6	12¾	—	42000	4.7	3.0	16000
M750R5/7W	★ Refl. White ⁽⁸⁾					6	12¾	—	10000	4.7	3.0	16000
M750R5/8FL	★ Refl. Flood ⁽⁷⁾				277 ⁽¹⁵⁾	6	12¾	—	42000	4.6	2.8	16000
M1250BT4/5W	★ Super White	1250	BT-46 ⁽⁵⁾	Mogul	220 ⁽¹⁴⁾	6	14½	41000	—	9.0	5.7	8000
M1250BT5/5W	★ Super White		BT-56 ⁽⁵⁾	Mogul	220 ⁽¹⁴⁾	4	15½/16	41000	—	9.0	5.7	16000
M1250BT5/8W	★ Super White				277 ⁽¹⁵⁾	4	15½/16	41000	—	8.3	4.5	16000
M1250R8/5W	★ Refl. Flood ⁽⁷⁾		R-80 ⁽⁹⁾	Mogul	220 ⁽¹⁴⁾	4	13¾	—	—	9.0	5.7	16000

★ Special Heat Resistant Glass

- (1) Burning position—Any.
- (2) A.C. 50–60 cycles. 120V Lamps can be used in voltage range 115V to 125V. High voltage lamps (230V–277V) can also be operated on D.C.
- (3) Based on eight or more hours per start.
- (4) For indoor use. Outdoors, use enclosed fixture.
- (5) Hard glass for indoor or outdoor use.

- (6) Hard glass for indoor or outdoor use. Outdoors, in base-down operation, use enclosed fixture. In base-up operation, lamp can be used in open-face fixture to 35° below horizontal.
- (7) Inner metallic reflector.
- (8) Phosphor coated and inner metallic reflector.
- (9) Can be used in voltage range 200V to 224V.

- (10) Can be used in voltage range 225V to 249V.
- (11) Can be used in voltage range 200V to 219V.
- (12) Can be used in voltage range 220V to 239V.
- (13) Can be used in voltage range 240V to 259V.
- (14) Can be used in voltage range 208V to 220V.
- (15) Can be used in voltage range 260V to 280V.