

SPAULDING LIGHTING

High Performance
Area/Site Lighting

Cimarron

DIE CAST ARCHITECTURAL LUMINAIRE



High Performance Reflectors

Bojiectrola

Cimarron

DIE CAST ARCHITECTURAL LUMINAIRE

With a contemporary, clean design and full cutoff performance, Cimarron luminaires deliver more light where you need (and want) it. Each fixture also features a low profile, low EPA and rugged cast aluminum construction.



Optional segmented high performance optics optimize uniformity and spill light

MOUNTING Two arm designs optimize design flexibility. The die-cast aluminum arm offers a sleek, upswept look while the extruded straight arm follows the housing's contoured lines for continuity of style. Wall bracket and pole/tenon accessories are also available to allow easy mounting for virtually any application.



DOOR Die cast aluminum door hinges to housing and secures with two captive screws. This provides four-point contact to ensure a clean lens and optical assembly. Both the flat tempered glass and door are sealed with durable one-piece extruded silicone gaskets.

HOUSING Architecturally styled, one-piece die-cast aluminum housing with nominal .125" wall thickness. Low profile design reduces the overall wind loading and provides a sleek, unobtrusive look. These features complement most building architectural styles.

BALLAST HPF ballast circuit, starting rated at -20° F (-40° F for HPS). Ballast and other electrical components mounted directly to housing for excellent heat dissipation and long life.

ELECTRICAL Energy efficient HID lamps up to 400 watts. Pulse rated porcelain sockets have spring loaded, nickel plated center contact.



LISTING UL 1598 approved and CSA Certified for wet location applications. IDA dark sky, neighbor friendly



Die cast aluminum,
low profile housing

Flat glass assures precise
full cutoff performance

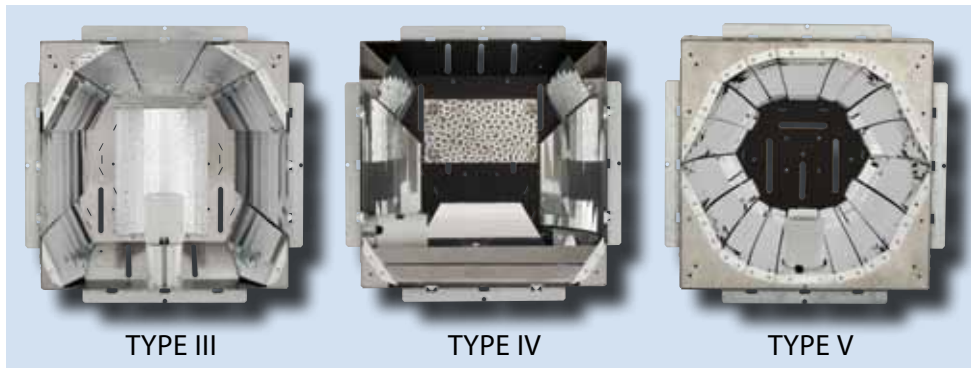
OPTICS Specular, anodized aluminum reflectors provide IES type II, III, IV, and V distributions with a horizontal lamp orientation. H2, H3, and H5 reflectors are one-piece hydroformed while H4 is a multi-piece design. Optional High Performance segmented optics available:

- H3P
- H4P
- H5P

All meet IESNA Full Cutoff classification and are field rotateable in 90 degree increments. House side shields available as either factory installed options or field installed accessories (see page 4).

FINISH Durable Lektrocote™ TGIC thermoset polyester powder paint finish assures long life and maintenance-free service. Standard finishes include Dark Bronze, Black, White, Gray, and Platinum Silver. Premium colors (Red, Forest Green) and custom colors available (see page 6).

High Performance Reflectors



TYPE III

TYPE IV

TYPE V

Cimarron

DIE CAST ARCHITECTURAL LUMINAIRE

Spaulding high performance segmented optics meet demanding specifications where uniformities of better than 4 to 1 and spill light beyond the pole are important.

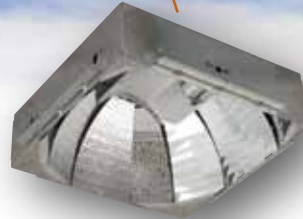
Designed around the horizontal 400 watt pulse start metal halide (ED28) lamp



Superior material selection

Precision engineered field rotatable reflectors, available in IESNA type III, IV and V (type III Shown)

Rigid aluminum enclosure ensures repeatability and precise optical performance

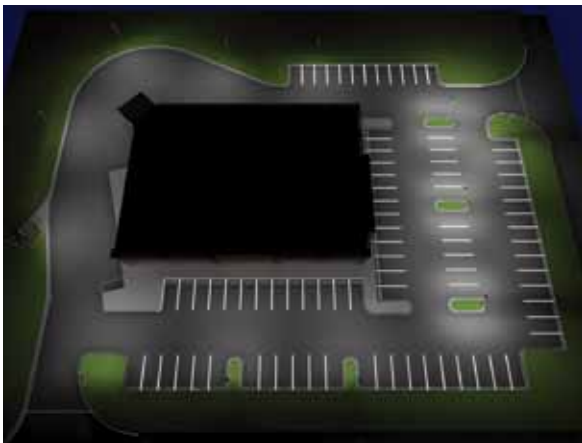


High Performance Reflectors

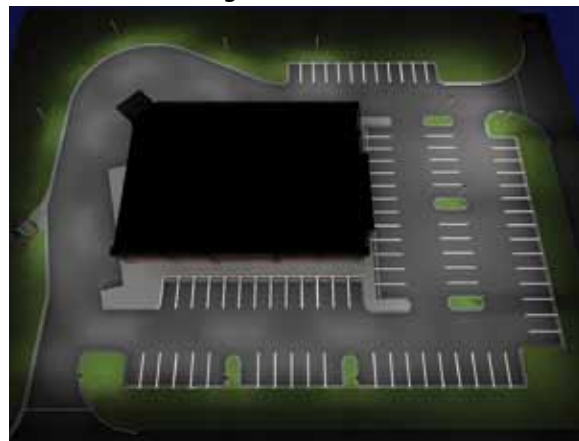
The Cimarron is available in seven different IDA approved optical selections, each uniquely designed to deliver different levels of performance to meet any budget or demanding lighting requirements. New high performance segmented optics in IESNA type III, IV and V offer the latest in reflector design, while producing industry leading uniformity in HID technology and excellent spill control behind the pole. These precision engineered reflectors are housed in a rugged aluminum enclosure to ensure proper alignment and long lasting durability so you can be sure you are getting maximum lighting performance.

The illustrations below are computer simulations of a typical retail store parking lot comparing the 400W Cimarron with high performance optics against a leading competitor's equivalent product mounted at 25 feet. The Cimarron with high performance optics produces an average fc reading of 2.5 with a better than 4 to 1 uniformity, while the leading competitor's segmented optics produced the same average foot-candle reading, however with a 5 to 1 uniformity. Spaulding High Performance Optics deliver the right light exactly where it's needed!

Competitor 400w

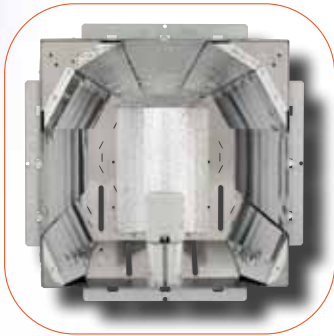


CIMARRON 400w High Performance Reflectors



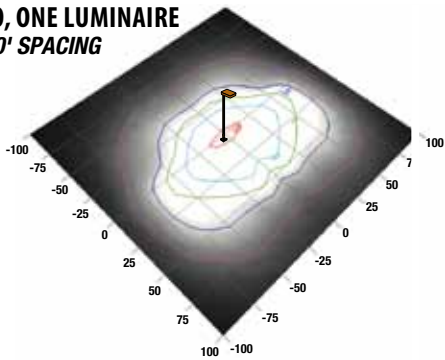
High Performance Reflectors

TYPE III - H3P

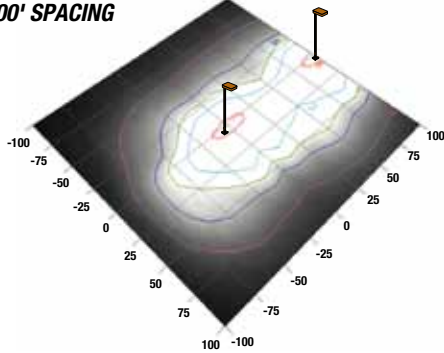


400 WATT METAL HALIDE LAMP
31,000 LUMENS
LLF = .65 (apply appropriate factor)
25' MOUNTING HEIGHT

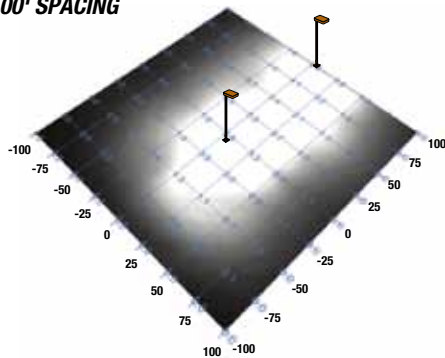
ISO, ONE LUMINAIRE
100' SPACING



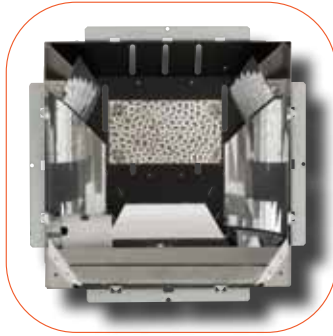
ISO, TWO LUMINAIRES
100' SPACING



POINT TO POINT, TWO LUMINAIRES
100' SPACING

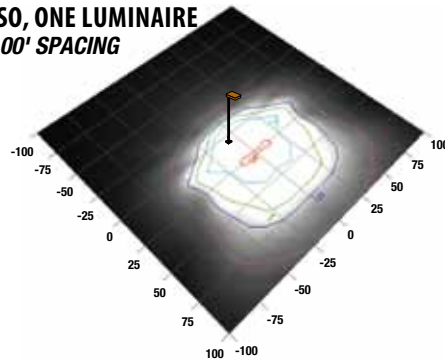


TYPE IV - H4P

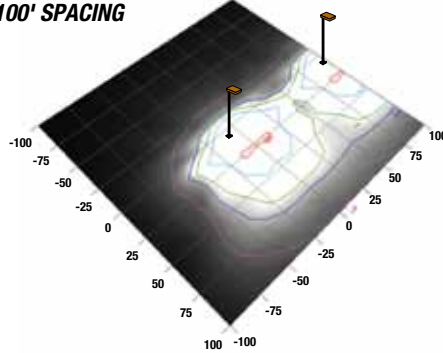


400 WATT METAL HALIDE LAMP
31,000 LUMENS
LLF = .65 (apply appropriate factor)
25' MOUNTING HEIGHT

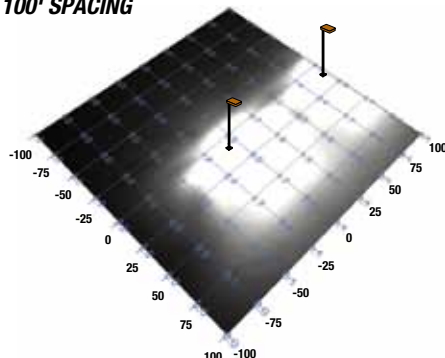
ISO, ONE LUMINAIRE
100' SPACING



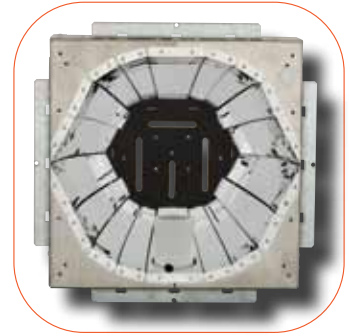
ISO, TWO LUMINAIRES
100' SPACING



POINT TO POINT, TWO LUMINAIRES
100' SPACING

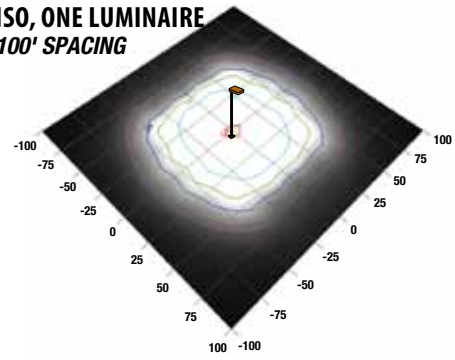


TYPE V - H5P

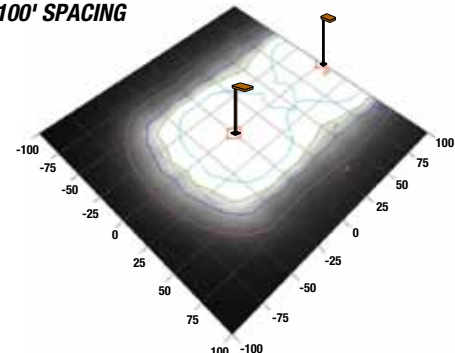


400 WATT METAL HALIDE LAMP
31,000 LUMENS
LLF = .65 (apply appropriate factor)
25' MOUNTING HEIGHT

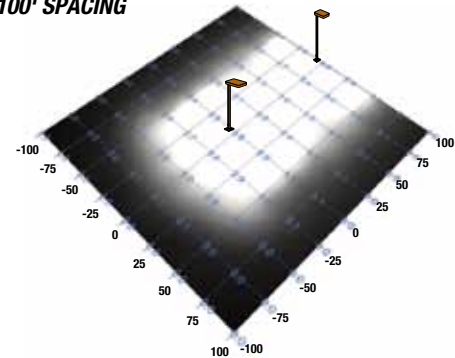
ISO, ONE LUMINAIRE
100' SPACING



ISO, TWO LUMINAIRES
100' SPACING



POINT TO POINT, TWO LUMINAIRES
100' SPACING



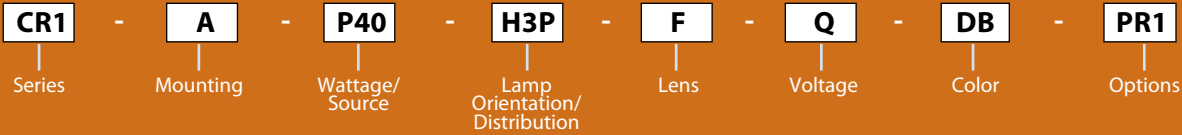
MOUNTING HEIGHT CORRECTIONS FACTORS

MOUNTING HEIGHT (FEET)	15	20	25	30	35	40
MOUNTING HEIGHT (METERS)	4.6	6.1	7.6	9.1	10.7	12.2
FACTOR	2.78	1.56	1.00	0.69	0.51	0.39

NOTE: The distance between grid lines changes to equal the mounting height when using this correction factor table.

ORDERING INFORMATION

ORDERING EXAMPLE



SERIES

CR1 Cimarron

MOUNTING

A¹ Arm Mount Construction (6" straight rigid arm included & acceptable for 90° configurations)

AD¹ Decorative Arm Mount Construction (6" decorative upswept arm included & acceptable for 90° configurations)

WB Wall Bracket Construction (includes Wall Bracket & 6" straight arm unless WBAD option is chosen which substitutes Decorative Upswept Arm)

0 No Arm or Wall Bracket (only order without arm or wall bracket when they are ordered as accessory)

WATTAGE/SOURCE

ELECTRONIC PULSE START METAL HALIDE

E15 150w (ED-28 Mog base)

E25 250w (ED-28 Mog base)

E35 350w (ED-28 Mog base)

E40 400w (ED-28 Mog base)

PULSE START METAL HALIDE

P10 100w (ED-17 Med base)

P12 125w (ED-17 Med base)

P15 150w (ED-28 Mog base)

P17 175w (ED-28 Mog base)

P20 200w (TD-15 Mog base)

P25 250w (ED-28 Mog base)

P32 320w (ED-28 Mog base)

P35 350w (ED-28 Mog base)

P40 400w (ED-28 Mog base)

HIGH PRESSURE SODIUM

S10 100w (ED-23 1/2 Mog base)

S15 150w (ED-23 1/2 Mog base)

S25 250w (ED-18 Mog base)

S40 400w (ED-18 Mog base)

LAMP ORIENTATION/DISTRIBUTION

H2 Horizontal II

H3 Horizontal III

H3P Horizontal III – Performance Series (Segmented)

H4 Horizontal IV (Multi-Piece)

H4P Horizontal IV – Performance Series (Segmented)

H5 Horizontal V (square)

H5P Horizontal V – Performance Series (Segmented)

LENS

F Flat

VOLTAGE

Q¹ Quad-Tap* (120, 208, 240, 277V)

V¹ Five-Tap (120, 208, 240, 277, 480V) (250 & 400 MH, 250 & 400 HPS only)

5 480V

T¹ 120, 277, 347V

E 50 Hz 220/240V (250 & 400 MH, 250 & 400 HPS only)

0 No Ballast

1 120V (350 & 400w eHID only)

J 208/240/277V (350 & 400w eHID only)

U 120/208/240/277V (150 & 250w eHID only)

F 347V

COLOR

DB Dark Bronze

BL Black

WH White

GR Gray

PS Platinum Silver

RD Red (premium color)

FG Forest Green (premium color)

CC Custom Color (premium color)

OPTIONS

WBAD Substitutes Decorative Upswept Arm when WB wall bracket mounting is chosen

RPA2 Round Pole Adapter (2¾"-3½")

RPA3 Round Pole Adapter (3¼"-3¾")

RPA4 Round Pole Adapter (3⅞"-4½")

RPA5 Round Pole Adapter (5")

RPA6 Round Pole Adapter (6")

F1 Fusing - 120V

F2 Fusing - 208V

F3 Fusing - 240V

F4 Fusing - 277V

F5 Fusing - 480V

F6 Fusing - 347V

P1 Photo Button - 120V

P2 Photo Button - 208V

P3 Photo Button - 240V

P4 Photo Button - 277V

P6 Photo Button - 347V

PR1 Photo Cell Receptacle - 120V

PR2 Photo Cell Receptacle - 208V

PR3 Photo Cell Receptacle - 240V

PR4 Photo Cell Receptacle - 277V

PR5 Photo Cell Receptacle - 480V

PR6 Photo Cell Receptacle - 347V

QZ Quartz RS with lamp

HS Internal House Side Shield (available for H2, H3 & H4 distributions)

VG Polycarbonate Vandal Guard

L Lamp

1. When ordering poles, specify Pole Drill Pattern #2 for A and AD mounting.
 2. Factory wired for highest voltage unless otherwise specified.
 Note: Mounting A and AD acceptable for 90 degree configurations.

SELECT UNITS ARE STOCKED FOR IMMEDIATE SHIPMENT

- Quick-Ship Made-to-order items available (contact factory)
- Select shoebox & pole combos are in stock for immediate shipment (contact factory)



LEKTROCOTE® FINISH PROCESS

Lektrocote® is a proprietary process where the thermosetting, acid-functional polyester powder resin is electrostatically applied only after a thorough cleaning process. Luminaires receive a five-step wash with both acid and alkaline based liquid cleaners followed by the deposit of a thin layer of proprietary compound to promote maximum corrosion-resistance and paint adhesion. Finally, the decorative finish coat is applied.

Lektrocote® meets or exceeds the following standards:

- ASTM B-117** 1000 hour salt spray test
- ASTM B-2247** 1000 hour humidity test
- ASTM D-2794** Impact test resistant to 160 inch pounds
- ASTM D-522** Flexibility test
- AAMA 603** Blister/adhesion test

COLOR SELECTIONS

5 standard (Bronze, Black, White, Gray, Platinum Silver).
 2 premium (Red, Forest Green) and custom colors (consult factory) are available.

Note: Actual colors may vary due to printing process.



All colors are textured except Platinum Silver and Red.

ACCESSORIES

CIMARRON ACCESSORIES

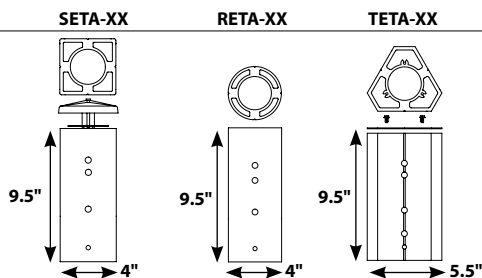
Catalog #	Description
ARM-CR-6-S-XX ^{1,2}	6" Rigid Straight Arm
ARM-CRD-6-S-XX ^{1,2}	6½" Rigid Upswept Arm
ARM-CR-K-TA-XX ¹	Tenon Arm (single) adjustable
ARM-CR-TK-TA-XX	Tenon Arm (double 180°) adjustable
ARM-CR-K-S-XX ^{1,2}	Adjustable Arm (for flat surfaces)
CR1-PVG	Polycarbonate Vandal Guard
CR1-HS-23	Internal House Side Shield (H2 & H3 distributions)
CR1-HS-4	Internal House Side Shield (H4 distribution)
CR-RPA2-XX ¹	Round Pole Adapter for Straight Arm (2¾ - 3⅛")
CR-RPA3-XX ¹	Round Pole Adapter for Straight Arm (3¼ - 3¾")
CR-RPA4-XX ¹	Round Pole Adapter for Straight Arm (3⅞ - 4½")
CR-RPA5-XX ¹	Round Pole Adapter for Straight Arm (5")
CR-RPA6-XX ¹	Round Pole Adapter for Straight Arm (6")
CRD-RPA2-XX ¹	Round Pole Adapter for Upswept Arm (2¾ - 3⅛")
CRD-RPA3-XX ¹	Round Pole Adapter for Upswept Arm (3¼ - 3¾")
CRD-RPA4-XX ¹	Round Pole Adapter for Upswept Arm (3⅞ - 4½")
CRD-RPA5-XX ¹	Round Pole Adapter for Upswept Arm (5")
CRD-RPA6-XX ¹	Round Pole Adapter for Upswept Arm (6")
WB-CR-XX ¹	Wall Bracket

1 Replace **XX** with color choice, eg.: **DB** for Dark Bronze

2 When ordering poles, specify Pole Drill Pattern #2

TENON TOP POLE BRACKET ACCESSORIES

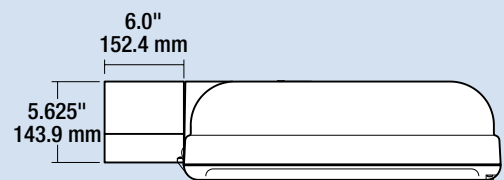
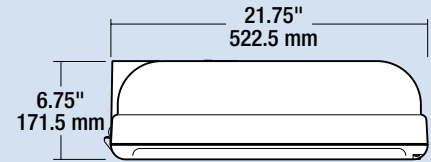
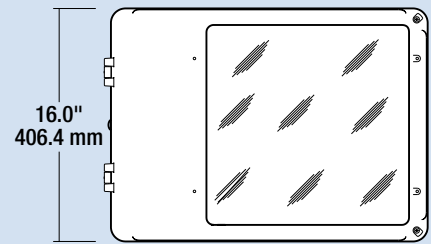
Catalog #	Description	EPA	WEIGHT
SETA-XX	4" Square pole top tenon adapter. 2 3/8" OD slipfitter for max. four fixtures (90°).	0.4 ft ² 0.04 m ²	20 lbs. 9 kgs.
RETA-XX	4" Round pole top tenon adapter. 2 3/8" OD slipfitter for max. four fixtures (90°). Order 4" round pole adapters separately.	0.2 ft ² 0.02 m ²	20 lbs. 9 kgs.
TETA-XX	Three sided pole top tenon adapter. 2 3/8" OD slipfitter for max. three fixtures (120°).	0.2 ft ² 0.02 m ²	20 lbs. 9 kgs.



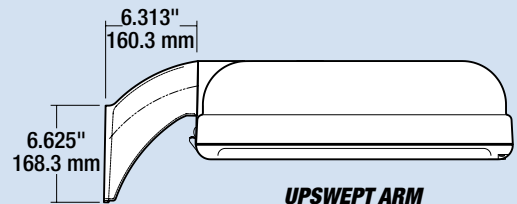
ADDITIONAL ACCESSORIES

Catalog #	Description
PTL-1	Photocontrol - Twist-Lock Cell (120V)
PTL-8	Photocontrol - Twist-Lock Cell (120-277V)
PTL-5	Photocontrol - Twist-Lock Cell (480V)
PTL-6	Photocontrol - Twist-Lock Cell (347V)
PSC	Shorting Cap - Twist-Lock

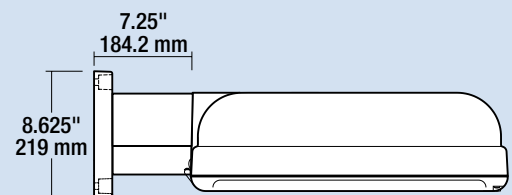
FIXTURE DIMENSIONS



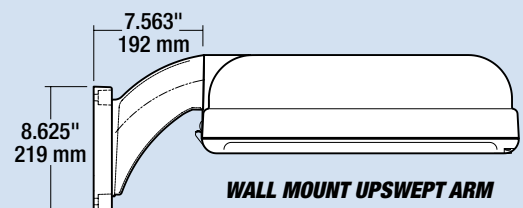
STRAIGHT ARM



UPSWEPT ARM



WALL BRACKET STRAIGHT ARM



WALL MOUNT UPSWEPT ARM

EPA

1 at 90° = 1.2 ft ²	3 at 90° = 3.0 ft ²
2 at 90° = 1.8 ft ²	3 at 120° = 3.0 ft ²
2 at 180° = 2.4 ft ²	4 at 90° = 3.0 ft ²

Weight: 44 lbs (20 kg)

Hubbell Outdoor Lighting Solutions



Hubbell Lighting Inc. Distinguished Lighting Brands

Alera Lighting
Architectural Area Lighting
Columbia Lighting
Compass Products
Devine Lighting
Dual-Lite
HomeStyle Lighting
Hubbell Building Automation
Hubbell Outdoor Lighting
Hubbell Industrial Lighting
Kim Lighting



Kurt Versen
Precision Paragon Lighting P2
Prescolite
Progress Lighting
Security Lighting
Spaulding Lighting
Sportsliter Solutions
Sterner Lighting Systems
Thomasville Lighting
Whiteway

United States
Hubbell Lighting, Inc.
701 Millennium Boulevard
Greenville, SC 29607
864-678-1000

Canada
Hubbell Canada
870 Brock Road
Pickering, Ontario L1W 1Z8
www.hubbell-canada.com

Mexico
Hubbell De Mexico, S.A. DE.CV
Av. Insurgentes Sur # 1228, 8th Floor
Col. Tlacoquemecatl del Valle • 03200 Mexico, D.F.
www.hubbell.com.mx

www.spauldinglightng.com