



FEATURES & SPECIFICATIONS

INTENDED USE — Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION — Rugged, die-cast, single-piece aluminum housing with nominal wall thickness of 1/8". Die-cast door frame has impact-resistant, tempered, glass lens (3/16" thick). Door frame is fully gasketed with one-piece tubular silicone. **US. Patent No. D447,590. Canada Patent No. 94324.**

FINISH — Standard finish is dark bronze polyester powder finish. Additional architectural colors are available; see www.lithonia.com/archcolors.

OPTICAL SYSTEM — Anodized segmented reflectors for superior uniformity and control. Reflectors attach with tool-less fasteners and are rotatable and interchangeable. Five full cutoff distributions available: Type II (roadway), Type III (asymmetric), Type IV (forward throw), Type IV (wide, forward throw) and Type V (symmetric square).

ELECTRICAL SYSTEM — Ballast: Constant-wattage autotransformer ballast standard. Super CWA pulse-start ballast required 200W, 320W and 350W (SCWA option). Ballast is copper-wound and 100% factory-tested. All ballasts are mounted on a removable power tray with tool-less latch and have positive locking disconnect plugs.

Socket: Porcelain, horizontally-mounted, mogul-base socket with copper alloy, nickel-plated screw shell and center contact.

INSTALLATION — Integral arm for pole or wall mounting. Optional mountings available.

LISTING — UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 Rated.

NOTE: Specifications subject to change without notice.

Catalog Number MIDTOWNE COMMONS DAYCARE	
Notes AS2 250M SR4SC TB SPA SCWA DDB LPI (QTY 6)	Type A

AERIS™

Architectural Area & Roadway Luminaires

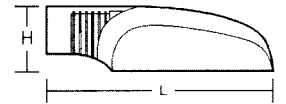
AS2



Specifications

EPA: 1.2 ft²
 Length: 28.6 (72.6)
 Width: 17.1 (43.4)
 Depth: 8.3 (21.0)
 *Weight: 40 lbs (18.2 kg)
 *Weight as configured in example below.

METAL HALIDE: 200W-400W
HIGH PRESSURE SODIUM: 200W-400W
 10' to 35' Mounting



All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: AS2 250M SR3 TB SPA LPI

AS2	250M	SR4SC	TB	SPA	SCWA		DDB	LPI
Series	Wattage ¹		Voltage	Mounting	Ballast	Options	Finish ¹³	Lamp ¹⁴
AS2	<u>Metal halide</u>		120	SPA Square pole mounting	(blank) Magnetic ballast	<u>Shipped installed in fixture</u>	(blank) Dark bronze	LPI Lamp included
	200M ²		208 ⁵	RPA Round pole mounting	CWI Constant wattage isolated	SF Single fuse 120, 277, 347V	DBL Black	L/LP Less lamp
	250M ²		240 ⁶	WBA Wall bracket (up or down) ⁹	Pulse Start	DF Double fuse 208, 240, 480V	DGC Charcoal gray	
	320M ²		277	ASKMA2 Mast arm adapter ¹⁰	SCWA Super CWA pulse start ballast	PER NEMA twist-lock receptacle only (no photocontrol)	DMB Medium bronze	
	350M ^{2,3}		347	DCAS2 Decorative curved arm, square pole only ¹⁰	NOTE: SCWA ballast must be selected to comply with California Title 20 metal halide regulations. SCWA also may be required to meet other states' regulations. Consult local authorities.	EC Emergency circuit ¹¹	DNA Natural aluminum	
	400M ³		480 ⁶	DCAS2R Decorative curved arm, round pole only ¹⁰		QRS Quartz restrike system ¹¹	DWH White	
	<u>High pressure sodium⁴</u>		TB ⁶			HS Houseside shield (SR2, SR3, SR4W)	CR Corrosion resistance	
	200S		TBV ⁷			CSA CSA Certified		
	250S		23050HZ ⁸			NOM NOM Certified		
	400S					<u>Shipped separately¹²</u>		
	Distribution					PE1 NEMA twist-lock PE (120, 208, 240V)		
	SR2 Segmented type II roadway					PE3 NEMA twist-lock PE (347V)		
	SR3 Segmented type III asymmetric					PE4 NEMA twist-lock PE (480V)		
	SR4SC Segmented type IV forward throw, sharp cutoff					PE7 NEMA twist-lock PE (277V)		
	SR4W Segmented type IV wide, forward throw					VG Vandal guard		
	SR5S Segmented type V square					SC Shorting cap		

NOTES:

- Lower wattages available. Consult factory.
- Must be ordered with SCWA.
- Must use reduced jacket lamp.
- Not available with SCWA.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
- Optional 5-tap ballast (120, 208, 240, 277, 480V).
- Consult factory for available wattage.³
- Mounted in lens-up orientation, fixture is damp location listed.
- Shipped separately.
- Maximum allowance wattage lamp included.
- May be ordered as an accessory.
- Additional architectural colors available; see www.lithonia.com/archcolors.
- Must be specified.

Note: Aeris™ has a unique drilling template that requires an Aeris drilling pattern to be specified when ordering poles. See example below.
 Example: SSA 20 4C **DM19AS** DDB

Aeris Drilling Pattern

DM19AS	1 at 90 degrees
DM28AS	2 at 180 degrees
DM29AS	2 at 90 degrees
DM39AS	3 at 90 degrees
DM49AS	4 at 90 degrees
DM32AS	3 at 120 degrees (round poles only)



Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction

Accessories: Tenon Mounting Slipfitter

Order as separate catalog number. Must be used with round pole mounting (RPA).

Tenon O.D.	Number of fixtures					
	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
AS2VG	Vandal guard					



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Socket: Porcelain, horizontally-mounted, mogul-base socket with copper alloy, nickel-plated screw shell and center contact.

INSTALLATION — Integral arm for pole or wall mounting. Optional mountings available.

LISTING — UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 Rated.

NOTE: Specifications subject to change without notice.

Catalog Number		MIDTOWNE COMMONS DAYCARE	
Notes	AS2 250M SR2 TB SPA SCWA DDB LPI (QTY 2)		Type
			B

AERIS™

Architectural Area & Roadway Luminaires

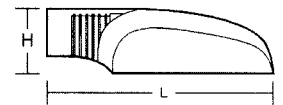
AS2



METAL HALIDE: 200W-400W
HIGH PRESSURE SODIUM: 200W-400W
 10' to 35' Mounting

Specifications

EPA: 1.2 ft²
 Length: 28.6 (72.6)
 Width: 17.1 (43.4)
 Depth: 8.3 (21.0)
 *Weight: 40 lbs (18.2 kg)
 *Weight as configured in example below.



All dimensions are inches (centimeters) unless otherwise specified.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: AS2 250M SR3 TB SPA LPI

AS2	250M	SR2	TB	SPA	SCWA	DDB	LPI	
Series	Wattage ¹		Voltage	Mounting	Ballast	Options	Finish ¹³	Lamp ¹⁴
AS2	<u>Metal halide</u>		120	SPA Square pole mounting	(blank) Magnetic ballast	<u>Shipped installed in fixture</u>	(blank) Dark bronze	LPI Lamp included
	200M ²		208 ⁵	RPA Round pole mounting	CWI Constant wattage isolated	SF Single fuse 120, 277, 347V	DBL Black	L/LP Less lamp
	250M		240 ⁶	WBA Wall bracket (up or down) ⁹	Pulse Start	DF Double fuse 208, 240, 480V	DGC Charcoal gray	
	320M ²		277	ASKMA2 Mast arm adapter ¹⁰	SCWA Super CWA pulse start ballast	PER NEMA twist-lock receptacle only (no photocontrol)	DMB Medium bronze	
	350M ^{2,3}		347	DCAS2 Decorative curved arm, square pole only ¹⁰	NOTE: SCWA ballast must be selected to comply with California Title 20 metal halide regulations. SCWA also may be required to meet other states' regulations. Consult local authorities.	EC Emergency circuit ¹¹	DNA Natural aluminum	
	400M³		480 ⁶	DCAS2R Decorative curved arm, round pole only ¹⁰		QRS Quartz restrrike system ¹¹	DWH White	
	<u>High pressure sodium⁴</u>		TB ⁶			HS Houseside shield (SR2, SR3, SR4W)	CR Corrosion resistance	
	200S		TB ⁷			CSA CSA Certified		
	250S		23050HZ ⁸			NOM NOM Certified		
	400S					<u>Shipped separately¹²</u>		
Distribution								
		SR2				PE1 NEMA twist-lock PE (120, 208, 240V)		
		SR3				PE3 NEMA twist-lock PE (347V)		
		SR4SC				PE4 NEMA twist-lock PE (480V)		
		SR4W				PE7 NEMA twist-lock PE (277V)		
		SR5S				VG Vandal guard		
						SC Shorting cap		

Note: Aeris™ has a unique drilling template that requires an Aeris drilling pattern to be specified when ordering poles. See example below.
 Example: SSA 20 4C **DM19AS DDB**

Aeris Drilling Pattern

DM19AS	1 at 90 degrees
DM28AS	2 at 180 degrees
DM29AS	2 at 90 degrees
DM39AS	3 at 90 degrees
DM49AS	4 at 90 degrees
DM32AS	3 at 120 degrees (round poles only)

- NOTES:
- Lower wattages available. Consult factory.
 - Must be ordered with SCWA.
 - Must use reduced jacket lamp.
 - Not available with SCWA.
 - Must specify CWI for use in Canada.
 - Optional multi-tap ballast (120, 208, 240, 277V) (120, 277, 347V in Canada).
 - Optional 5-tap ballast (120, 208, 240, 277, 480V).
 - Consult factory for available wattage.⁵
 - Mounted in lens-up orientation, fixture is damp location listed.
 - Shipped separately.
 - Maximum allowance wattage lamp included.
 - May be ordered as an accessory.
 - Additional architectural colors available; see www.lithonia.com/archcolors.
 - Must be specified.

Accessories: Tenon Mounting Slipfitter

Order as separate catalog number. Must be used with round pole mounting (RPA).

Tenon O.D.	Number of fixtures					
	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490
AS2VG	Vandal guard					

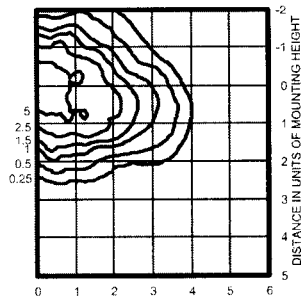


AS2 Metal Halide, High Pressure Sodium Area Lighting

Coefficient of Utilization Initial Footcandles

AS2 400M SR3

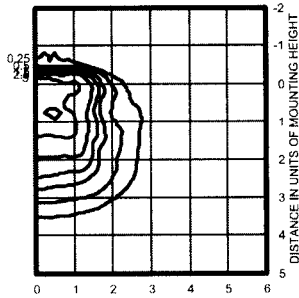
TEST NO: LTL10099



400W lamp, rated 32000 lumens. Footcandle values based on 20' mounting height.
Classification: Type III, Medium, Full Cutoff

AS2 400M SR4SC

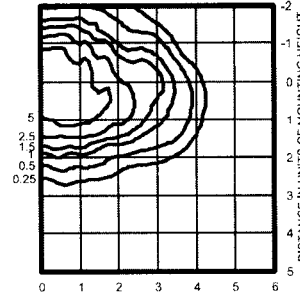
TEST NO: LTL10100



400W lamp, rated 32000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

AS2 400S SR3

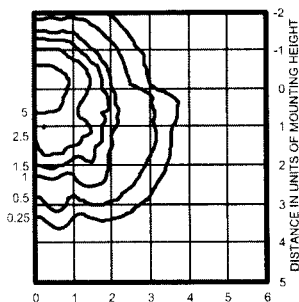
TEST NO: LTL10104



400W lamp, rated 50000 lumens. Footcandle values based on 20' mounting height.
Classification: Type II, Medium, Full Cutoff

AS2 400M SR4W

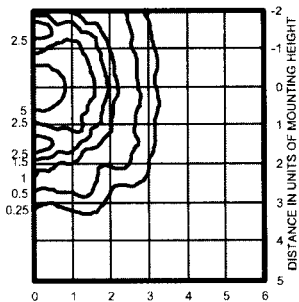
TEST NO: LTL10101



400W lamp, rated 32000 lumens. Footcandle values based on 20' mounting height.
Classification: Type IV, Short, Full Cutoff

AS2 400M SR5S

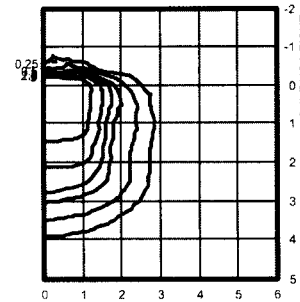
TEST NO: LTL10102



400W lamp, rated 32000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type V), Full Cutoff

AS2 400S SR4SC

TEST NO: LTL10105



400W lamp, rated 50000 lumens. Footcandle values based on 20' mounting height.
Classification: Unclassified (Type IV, Very Short), Full Cutoff

NOTES:

- 1 Photometric data for other distributions can be accessed at www.lithonia.com.
- 2 For electrical characteristics consult technical data tab.
- 3 Tested to current IESNA and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory and actual field measurements. Dimensions and specifications are based on the most current data and are subject to change.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

10 ft.	=	12.25
15 ft.	=	5.4
30 ft.	=	1.36
40ft.	=	0.77

$$\frac{\text{Existing Mounting Height}^2}{\text{New Mounting Height}^2} = \text{Correction Factor}$$



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Sheet #: AS2-M-S

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**Lithonia Lighting
Outdoor**

One Lithonia Way, Conyers, GA 30012
Phone: 770-922-9000 Fax: 770-918-1209
www.lithonia.com



FEATURES & SPECIFICATIONS

CONSTRUCTION

Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shafts are one-piece with a longitudinal electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsion. Available shaft widths are 4", 5" and 6".

Anchor base is fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized zinc-plated or stainless steel.

FINISH — Dark bronze (DDB) polyester galvanized standard. Other architectural colors available. See www.lithonia.com/archcolors.

GROUNDING — A nut holder located immediately inside the handhole rim is provided (ground bolt and nut provided by others).

ANCHOR BOLTS — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Catalog Number MIDTOWNE COMMONS DAYCARE	
Notes SSS 20 4C DM19AS DDB (QTY 8)	Type A&B



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

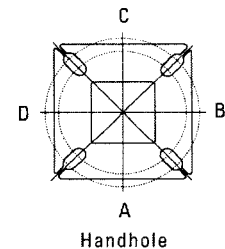
Example: SSS 20 5C DM19 DDB

SSS	20	4C	DM19AS		DDB
Shaft type SSS	Nominal shaft length 10 – 39 feet (see back page.)	Nominal shaft base size/ wall thickness (See back page.)	Mounting ¹	Options	Finish ⁷
			<u>Tenon Mounting</u> PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS)	<u>Shipped installed</u> L/AB Less anchor bolts VD Vibration damper TP Tamper proof Hxx Horizontal arm bracket (1 fixture) ^{4,5} FDLxx Festoon outlet less electrical ⁴ FGLxx Festoon GFI outlet less electrical ⁴ 12CPxx 1/2" coupling ⁴ 34CPxx 3/4" coupling ⁴ 1CPxx 1" coupling ⁴ 12NPxx 1/2" threaded nipple ⁴ 34NPxx 3/4" threaded nipple ⁴ 1NPxx 1" threaded nipple ⁴ HHxx Extra handhole ^{4,6}	DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum GALV Galvanized finish
			<u>Drill Mounting²</u> DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90°		
			<u>AERIS/OMERO Drill Mounting²</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°		
			<u>AERIS Suspend Drill Mounting^{2,3}</u> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90°		
			<u>OMERO Suspend Drill Mounting^{2,3}</u> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°		

NOTES:

- When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination requires an extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram on this page.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount requires extra handhole.
- Additional colors available; see www.lithonia.com/archcolors. Powder finish standard.

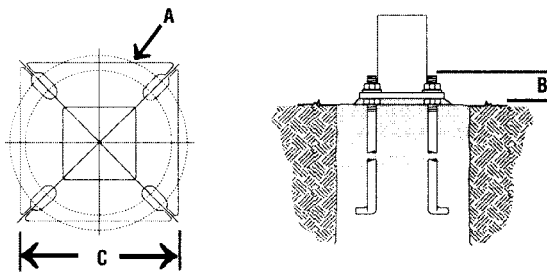
HANDHOLE ORIENTATION



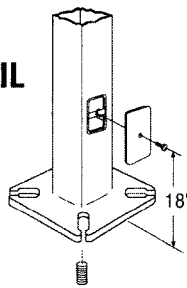
SSS Square Straight Steel Poles

TECHNICAL INFORMATION

Catalog Number	Nominal shaft length (feet)	Pole Shaft Size (in x in x ft)	Wall Thickness (inches)	Gauge	EPA (ft ²) with 1.3 gust						Bolt Circle (inches)	Bolt Size (in. x in. x in.)	Approximate ship weight (pounds)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.125	11	30.6	765	23.8	595	18.9	473	8-9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.125	11	24.4	610	18.8	470	14.8	370	8-9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.125	11	19.9	498	15.1	378	11.7	293	8-9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.125	11	15.9	398	11.8	295	8.9	223	8-9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.125	11	12.6	315	9.2	230	6.7	168	8-9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.125	11	9.6	240	6.7	167	4.5	150	8-9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.188	7	16.5	415	12.25	310	9.3	240	8-9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.125	11	17.7	443	12.7	343	9.4	235	10-12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.188	7	28.1	703	21.4	535	16.2	405	10-12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.125	11	4.8	150	2.6	100	1.0	50	8-9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.188	7	10.8	270	7.7	188	5.4	135	8-9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.125	11	9.8	245	6.3	157	3.7	150	10-12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.188	7	18.0	350	12.6	350	9.0	250	10-12	1 x 36 x 4	320
SSS 30 4G	30	4.0 x 30.0	0.188	7	6.4	160	4.0	100	2.3	58	8-9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.125	11	4.7	150	2.0	50	--	--	10-12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.188	7	10.7	267	6.7	167	3.9	100	10-12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.188	7	15.7	392	10.2	257	6.4	160	11-13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.188	7	5.9	150	2.5	100	--	--	10-12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.188	7	9.5	237	5.0	150	1.8	50	11-13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.188	7	5.1	128	1.3	33	--	--	11-13	1 x 36 x 4	605



BASE DETAIL



Shaft Base Size	Bolt Circle A	Bolt Projection B	Base Square C	Anchor Bolt Description	Warehouse Anchor Description	Template Bolt Number
4"C	8-1/2"	2-3/4"-4"	8"	ABSSS-4C	AB18-0	PJ50004
4"G	8-1/2"	2-3/4"-4"	8"	ABSSS-4G	AB30-0	PJ50004
5"	10"-12"	3-3/8"-4"	11"	ABSSS-5	AB36-0	PJ50010
6"	11"-13"	3-3/8"-4"	12-1/2"	ABSSS-6	AB36-0	PJ50011

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.
- Lithonia is not responsible for the foundation design.
- Installation requires grout to be packed under base to ensure full contact with foundation.

IMPORTANT:

- These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



An Acuity Brands Company



FEATURES & SPECIFICATIONS

INTENDED USE

Ideal for parking areas, street lighting, walkways and car lots.

CONSTRUCTION

Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone.

FINISH

Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM

Anodized, aluminum hydroformed reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R5S (square) are interchangeable. High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR4SC (forward throw, sharp cutoff). Segmented reflectors attach with tool-less fasteners and are rotatable and interchangeable.

ELECTRICAL SYSTEM

Ballast: High reactance, high power factor for 70-150W. Constant wattage autotransformer for 175-400W. Metal halide 150W and below are standard with pulse-start ignitor technology; super CWA pulse-start ballast required for 200W, 320W and 350W (SCWA option). Ballast is copper-wound and 100% factory-tested.

Socket: Porcelain, horizontally oriented medium base socket for 70-150W and mogul base socket for 175W and above, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500W, 600V.

LISTING

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.

Specifications subject to change without notice.

Catalog Number

MIDTOWNE COMMONS DAYCARE

Notes

KAD 250M R4 TB SPD04 SCWA DDB HS (QTY 6)

Type

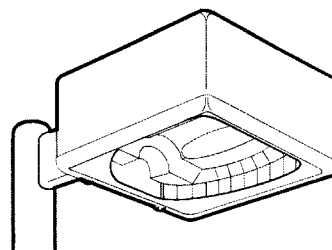
A

CONTOUR
SERIES

Soft Square Lighting

KAD

METAL HALIDE
70W-400W
HIGH PRESSURE SODIUM
70W-400W
20' to 35' Mounting



Specifications

EPA: 1.2 ft.²

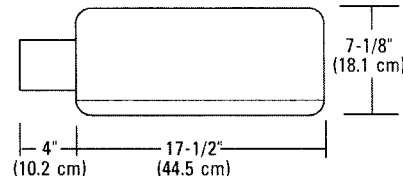
*Weight: 35.9 lbs (16.28 kg)

Length: 17-1/2" (44.5 cm)

Width: 17-1/2" (44.5 cm)

Depth: 7-1/8" (18.1 cm)

*Weight as configured in example below.



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: KAD 400M R3 TB SPD04 LPI

KAD	250M	R4	TB	SPD04	SCWA	HS	DDB	LPI
Series	Wattage		Voltage	Mounting	Ballast	Options		Lamp ¹⁹
KAD	Metal halide 70M ^{1,2,3} 100M ¹ 150M ³ 175M¹ 200M ⁴ 250M 320M ⁴ 350M ⁴ 400M⁵	High pressure sodium ¹ 70S ² 100S 150S² 250S 400S	120 208 ⁷ 240 ⁷ 277 347 480 ⁷ TB ⁸ TBV ⁹ 23050HZ ¹⁰	Type Length ¹¹ SPD Square 04 4" arm pole RPD Round 06 6" arm pole WBD Wall 09 9" arm 12 12" arm bracket WWD Wood pole or wall	(blank) Magnetic ballast CWI Constant wattage isolated Pulse Start SCWA Super CWA pulse start ballast NOTE: SCWA ballast must be selected to comply with California Title 20 metal halide regulations. SCWA also may be required to meet other states' regulations. Consult local authorities.	Shipped installed in fixture SF Single fuse 120, 277, 347V ¹⁴ DF Double fuse 208, 240, 480 ¹⁴ PD Power tray ¹⁵ PER NEMA twist-lock receptacle only (no photocontrol) QRS Quartz restrike system ¹⁶ QRSTD QRS time delay ^{10,16} WTB Terminal wiring block ¹⁵ HS House-side shield CSA CSA Certified Shipped separately ¹⁷ PE1 NEMA twist-lock PE (120, 208, 240V) PE3 NEMA twist-lock PE (347V) PE4 NEMA twist-lock PE (480V) PE7 NEMA twist-lock PE (277V) SC Shortening cap for PER option VG Vandal guard WG Wire guard		LPI Lamp included L/LP Less lamp
Distribution				DAD12P Degree arm (pole) ¹² DAD12WB Degree arm (wall) ¹² WBA Decorative wall bracket ^{12,13} KMA Mast arm external fitter KTMB Twin mounting bar			Finish ¹⁸ (blank) Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum	

Hydroformed reflectors

- R2 IES type II asymmetric⁶
- R3 IES type III asymmetric⁶**
- R4 IES type IV forward throw⁹**
- R5S IES type V square

Segmented reflectors

- SR2 IES type II asymmetric⁶
- SR3 IES type III asymmetric⁶
- SR4SC IES type IV forward throw

NOTES:

- Not available with SCWA.
- Not available with 480V.
- Not available with TBV.
- Must be ordered with SCWA.
- Reduced jacket ED28 required for SR2, SR3 and SR4SC optics.
- House-side shield available.
- Must specify CWI for use in Canada.
- Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).
- Optional five-tap ballast (120, 208, 240, 277, 480V).
- Consult factory for available wattages.
- 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.
- Ships separately.
- Available with SPD04 and SPD09.
- Must specify voltage. N/A with TB.
- Only available with SR2, SR3, & SR4SC optics.
- Max allowable wattage lamp included.
- May be ordered as an accessory.
- See www.lithonia.com/archolors for additional color options.
- Must be specified.
- Must use RPD09

Accessories

Order as separate catalog number.

Tenon Mounting Slipfitter

Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°
2-3/8"	T20-190	T20-280	T20-290 ²⁰	T20-320 ²⁰	T20-390 ²⁰	T20-490 ²⁰
2-7/8"	T25-190	T25-280	T25-290 ²⁰	T25-320	T25-390 ²⁰	T25-490 ²⁰
4"	T35-190	T35-280	T35-290 ²⁰	T35-320	T35-390 ²⁰	T35-490 ²⁰

KADVG Vandal guard
KADWG Wire guard



Consistent with LEED[®] goals & Green Globes[™] criteria for light pollution reduction



FEATURES & SPECIFICATIONS

INTENDED USE

Ideal for parking areas, street lighting, walkways and car lots.

CONSTRUCTION

Rugged, die-cast, soft corner aluminum housing with 0.12" nominal wall thickness. Die-cast door frame has impact-resistant, tempered, glass lens that is fully gasketed with one-piece tubular silicone.

FINISH

Standard finish is dark bronze (DDB) polyester powder finish, with other architectural colors available.

OPTICAL SYSTEM

Anodized, aluminum hydroformed reflectors: IES full cutoff distributions R2 (asymmetric), R3 (asymmetric), R4 (forward throw) and R5S (square) are interchangeable. High-performance anodized, segmented aluminum reflectors IES full cutoff distributions SR2 (asymmetric), SR3 (asymmetric) and SR4SC (forward throw, sharp cutoff). Segmented reflectors attach with tool-less fasteners and are rotatable and interchangeable.

ELECTRICAL SYSTEM

Ballast: High reactance, high power factor for 70-150W. Constant wattage autotransformer for 175-400W. Metal halide 150W and below are standard with pulse-start ignitor technology; super CWA pulse-start ballast required for 200W, 320W and 350W (SCWA option). Ballast is copper-wound and 100% factory-tested.

Socket: Porcelain, horizontally oriented medium base socket for 70-150W and mogul base socket for 175W and above, with copper alloy, nickel-plated screw shell and center contact. UL listed 1500V, 600V.

LISTING

UL Listed (standard). CSA Certified (see Options). UL listed for 25°C ambient and wet locations. IP65 rated in accordance with standard IEC 529.

Specifications subject to change without notice.

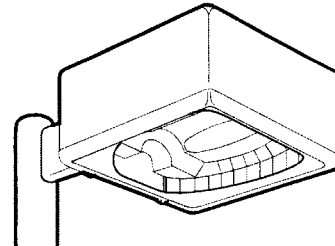
Catalog Number		MIDTOWNE COMMONS DAYCARE	
Notes	KAD 250M R2 TB SPD04 SCWA DDB (QTY 2)		Type
			B



Soft Square Lighting

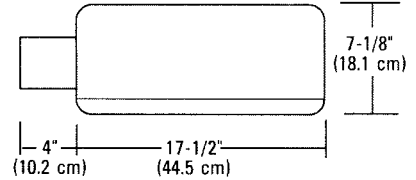
KAD

METAL HALIDE
70W-400W
HIGH PRESSURE SODIUM
70W-400W
20' to 35' Mounting



Specifications

EPA: 1.2 ft.²
*Weight: 35.9 lbs (16.28 kg)
Length: 17-1/2" (44.5 cm)
Width: 17-1/2" (44.5 cm)
Depth: 7-1/8" (18.1 cm)
*Weight as configured in example below.



ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: KAD 400M R3 TB SPD04 LPI

KAD	250M	R2	TB	SPD04	SCWA	DDB	LPI	
Series	Wattage		Voltage	Mounting		Ballast	Options	Lamp ¹⁹
KAD	Metal halide	High pressure sodium¹	120	Type	Length ¹¹	(blank) Magnetic ballast	Shipped installed in fixture	LPI Lamp included
70M ^{1,2,3}	70S ²	100S	208 ⁷	SPD_ Square pole	04 4" arm	CWI Constant wattage isolated	SF Single fuse 120, 277, 347V ¹⁴	L/LP Less lamp
100M ¹	150S ²	150S ²	240 ⁷	RPD_ Round pole	06 6" arm	Pulse Start	DF Double fuse 208, 240, 480 ¹⁴	Finish ¹⁸
150M ³	200S ⁴	250S	277	WBD_ Wall bracket	09 9" arm	SCWA Super CWA pulse start ballast	PD Power tray ¹⁵	(blank) Dark bronze
175M¹	250M⁴	400S	347	WWD_ Wood pole or wall	12 12" arm	NOTE: SCWA ballast must be selected to comply with California Title 20 metal halide regulations. SCWA also may be required to meet other states' regulations. Consult local authorities.	PER NEMA twist-lock receptacle only (no photocontrol)	DWH White
200M ⁴			480 ⁷	DAD12P Degree arm (pole) ¹²			QRS Quartz restrike system ¹⁶	DBL Black
250M⁴			TB ⁸	DAD12WB Degree arm (wall) ¹²			QRSTD QRS time delay ^{10,16}	DMB Medium bronze
320M ⁴			TBV ⁹	WBA Decorative wall bracket ^{12,13}			WTB Terminal wiring block ¹⁵	DNA Natural aluminum
350M ⁴			23050HZ ¹⁰	KMA Mast arm external fitter			HS House-side shield	
400M⁵				KTMB Twin mounting bar			CSA CSA Certified	
Distribution							Shipped separately ¹⁷	
Hydroformed reflectors							PE1 NEMA twist-lock PE (120, 208, 240V)	
R2 IES type II asymmetric ⁶							PE3 NEMA twist-lock PE (347V)	
R3 IES type III asymmetric⁶							PE4 NEMA twist-lock PE (480V)	
R4 IES type IV forward throw⁶							PE7 NEMA twist-lock PE (277V)	
R5S IES type V square							SC Shortening cap for PER option	
Segmented reflectors							VG Vandal guard	
SR2 IES type II asymmetric ⁶							WG Wire guard	
SR3 IES type III asymmetric ⁶								
SR4SC IES type IV forward throw								
NOTES:								
1 Not available with SCWA.								
2 Not available with 480V.								
3 Not available with TBV.								
4 Must be ordered with SCWA.								
5 Reduced jacket ED28 required for SR2, SR3 and SR4SC options.								
6 House-side shield available.								
7 Must specify CWI for use in Canada.								
8 Optional multi-tap ballast (120, 208, 240, 277V; in Canada: 120, 277, 347V).								
9 Optional five-tap ballast (120, 208, 240, 277, 480V).								
10 Consult factory for available wattages.								
11 9" arm is required when two or more luminaires are oriented on a 90° drilling pattern.								
12 Ships separately.								
13 Available with SPD04 and SPD09.								
14 Must specify voltage. N/A with TB.								
15 Only available with R2, SR3, & SR4SC optics.								
16 Max allowable wattage lamp included.								
17 May be ordered as an accessory.								
18 See www.lithonia.com/archolors for additional color options.								
19 Must be specified.								
20 Must use RPD09								
Accessories								
Order as separate catalog number.								
Tenon Mounting Slipfitter								
Number of fixtures								
Tenon O.D.	One	Two@180°	Two@90°	Three@120°	Three@90°	Four@90°		
2-3/8"	T20-190	T20-280	T20-290 ²⁰	T20-320 ²⁰	T20-390 ²⁰	T20-490 ²⁰		
2-7/8"	T25-190	T25-280	T25-290 ²⁰	T25-320	T25-390 ²⁰	T25-490 ²⁰		
4"	T35-190	T35-280	T35-290 ²⁰	T35-320	T35-390 ²⁰	T35-490 ²⁰		
KADVG Vandal guard								
KADWG Wire guard								

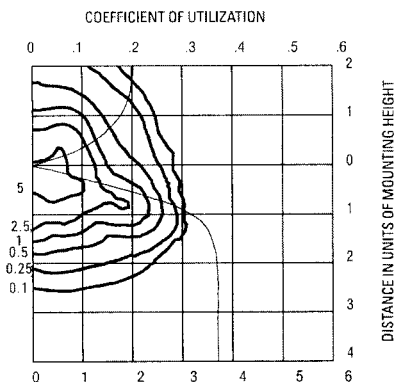


Consistent with LEED® goals & Green Globes™ criteria for light pollution reduction.

KAD 400M Arm-mounted Soft Square Cutoff

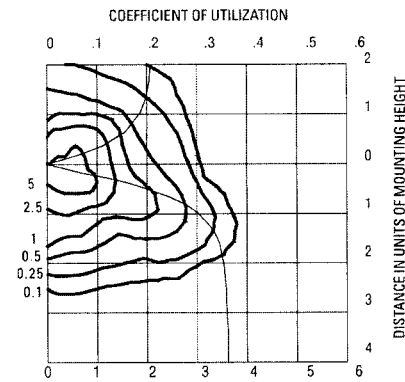
Coefficient of Utilization _____
Initial Footcandles _____

KAD R2 Test no. 1193083101



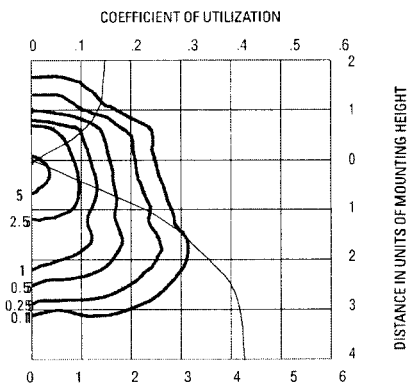
400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type II, cutoff.

KAD R3 Test no. 1192040902



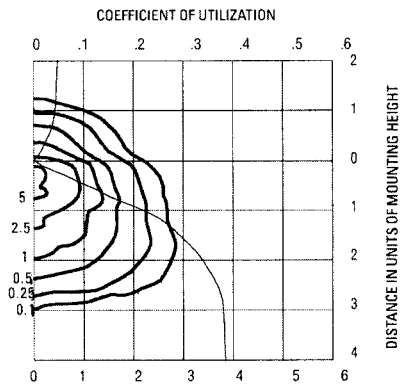
400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type III, cutoff.

KAD R4 Test no. 1191110101



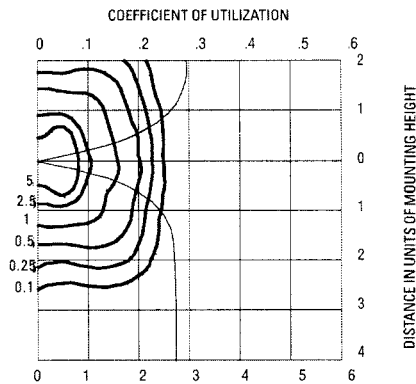
400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type IV, cutoff.

KAD R4HS Test no. 1192061101



400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type IV, cutoff.

KAD R5S Test no. 1193111901



400W Metal Halide lamp, 32,000 rated lumens, Footcandle values based on 30' mounting height, Distribution Type V, cutoff.

Electrical Characteristics

Wattage/ballast	Primary voltage	Line current	Primary dropout voltage	Input watts	Power factor (%)	Regulation Line V = Lamp lumens
		(Amps) Start/Operating				
400CWA	120	2.50/4.00	55	455	90+	±10% = ±10%
Peak-lead	208	1.45/2.30	95			
Autotransformer	240	1.25/2.00	110			
	277	1.10/1.75	125			
	480	.73/1.00	225			

Tested to current IES and NEMA standards under stabilized laboratory conditions. Various operating factors can cause differences between laboratory data and actual field measurements. Dimensions and specifications on this sheet are based on the most current available data and are subject to change without notice.

Mounting Height Correction Factor

(Multiply the fc level by the correction factor)

25 ft. = 1.44

35 ft. = 0.73

40 ft. = .56

$$\left(\frac{\text{Existing Mounting Height}}{\text{New Mounting Height}} \right)^2 = \text{Correction Factor}$$

NOTES:

1 Photometric data for other distributions can be accessed from www.lithonia.com.





FEATURES & SPECIFICATIONS

CONSTRUCTION

Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shafts are one-piece with a longitudinal electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsion. Available shaft widths are 4", 5" and 6".

Anchor base is fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized zinc-plated or stainless steel.

FINISH — Dark bronze (DDB) polyester powder standard. Other architectural colors available. See www.lithonia.com/archcolors.

GROUNDING — A nut holder located immediately inside the handhole rim is provided (ground bolt and nut provided by others).

ANCHOR BOLTS — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Catalog Number		MIDTOWNE COMMONS DAYCARE	
Notes		Type	
SSS 20 4C DM19 DDB (QTY 8)		A&B	



Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

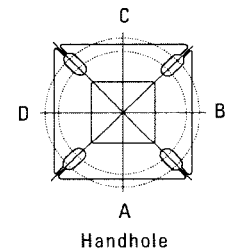
Example: SSS 20 5C DM19 DDB

SSS	20	4C	DM19		DDB
Shaft type	Nominal shaft length	Nominal shaft base size/wall thickness	Mounting ¹	Options	Finish ⁷
SSS	10 – 39 feet (see back page.)	(See back page.)	<u>Tenon Mounting</u> PT Open top T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS)	<u>Shipped installed</u> L/AB Less anchor bolts VD Vibration damper TP Tamper proof Hxx Horizontal arm bracket (1 fixture) ^{4,5} FDLxx Festoon outlet less electrical ⁴ FGLxx Festoon GFI outlet less electrical ⁴ 12CPxx 1/2" coupling ⁴ 34CPxx 3/4" coupling ⁴ 1CPxx 1" coupling ⁴ 12NPxx 1/2" threaded nipple ⁴ 34NPxx 3/4" threaded nipple ⁴ 1NPxx 1" threaded nipple ⁴ HHxx Extra handhole ^{4,6}	DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum GALV Galvanized finish
			<u>Drill Mounting²</u> DM19 1 at 90° DM28 2 at 180° DM28PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90°		
			<u>AERIS/OMERO Drill Mounting²</u> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°		
			<u>AERIS Suspend Drill Mounting^{2,3}</u> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90°		
			<u>OMERO Suspend Drill Mounting^{2,3}</u> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°		

NOTES:

- When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination requires an extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram on this page.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount requires extra handhole.
- Additional colors available; see www.lithonia.com/archcolors. Powder finish standard.

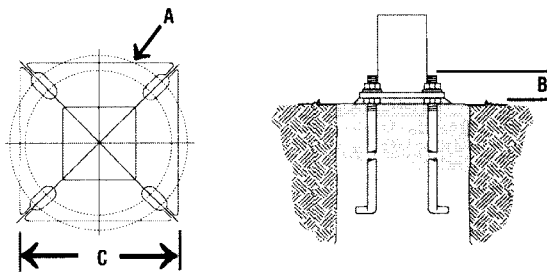
HANDHOLE ORIENTATION



SSS Square Straight Steel Poles

TECHNICAL INFORMATION

Catalog Number	Nominal shaft length (feet)	Pole Shaft Size (in x in x ft)	Wall Thickness (inches)	Gauge	EPA (ft ²) with 1.3 gust						Bolt Circle (inches)	Bolt Size (in. x in. x in.)	Approximate ship weight (pounds)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.125	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.125	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.125	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.125	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.125	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.125	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.188	7	16.5	415	12.25	310	9.3	240	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.125	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.188	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.125	11	4.8	150	2.6	100	1.0	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.188	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.125	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.188	7	18.0	350	12.6	350	9.0	250	10--12	1 x 36 x 4	320
SSS 30 4G	30	4.0 x 30.0	0.188	7	6.4	160	4.0	100	2.3	58	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.125	11	4.7	150	2.0	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.188	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.188	7	15.7	392	10.2	257	6.4	160	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.188	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.188	7	9.5	237	5.0	150	1.8	50	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.188	7	5.1	128	1.3	33	--	--	11--13	1 x 36 x 4	605



BASE DETAIL

Shaft Base Size	Bolt Circle A	Bolt Projection B	Base Square C	Anchor Bolt Description	Warehouse Anchor Description	Template Bolt Number
4\"C	8-1/2"	2-3/4"-4"	8"	ABSSS-4C	AB18-0	PJ50004
4\"G	8-1/2"	2-3/4"-4"	8"	ABSSS-4G	AB30-0	PJ50004
5"	10"-12"	3-3/8"-4"	11"	ABSSS-5	AB36-0	PJ50010
6"	11"-13"	3-3/8"-4"	12-1/2"	ABSSS-6	AB36-0	PJ50011

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.
- Lithonia is not responsible for the foundation design.
- Installation requires grout to be packed under base to ensure full contact with foundation.

IMPORTANT:

- These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



An Acuity Brands Company

**Lithonia Lighting
Outdoor**

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