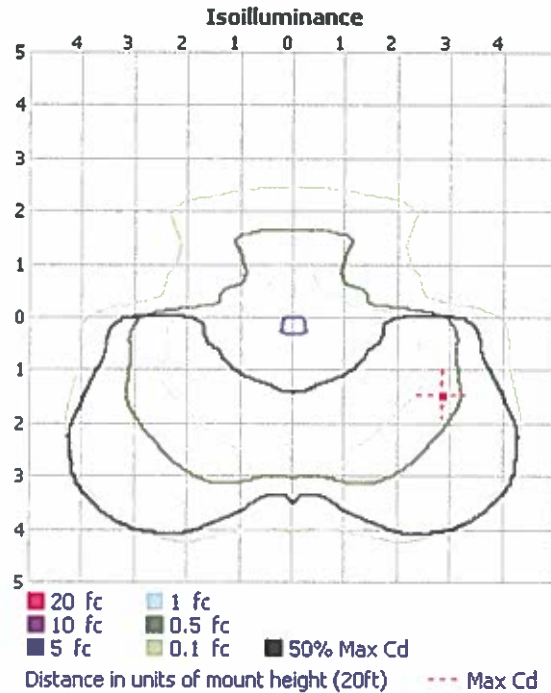
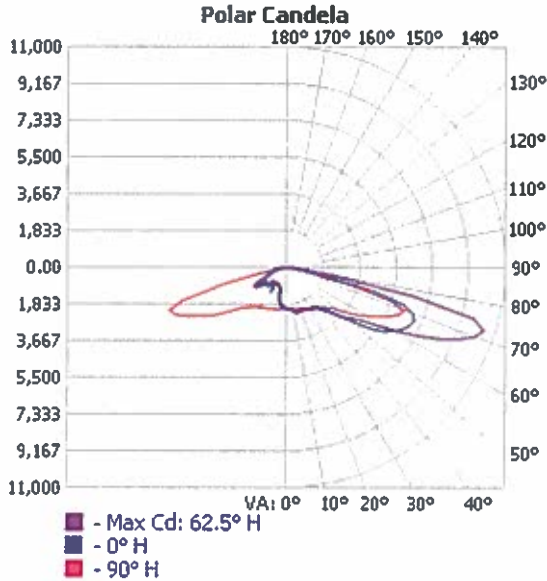


OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT



Test #: LTL26037P226
 Test Lab: SCALED PHOTOMETRY
 Test Notes: SCALED FROM ABSOLUTE TEST: LTL26037P30
 Catalog: KAD LED 60C 700 50K R4 MVOLT
 Description: KAD LED, 60 LED, 700mA MVOLT DRIVER, 5000K, TYPE 4 OPTICS.
 Series: KAD-LED
 Lamp Output: Total luminaire Lumens: 16081.9, absolute photometry
 Input Wattage: 137
 Luminous Opening: Rectangle (L: 11.16", W: 11.88")
 Max Cd: 10,421.2 at Horizontal: 62.5°, Vertical: 72.5°
 Roadway Class: MEDIUM, TYPE IV



*Test based on absolute photometry where lamp lumens=lumens total.
 *Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

Visual Photometric Tool 1.2.46 copyright 2021, Acuity Brands Lighting.
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PUBLISH
PAGE 1 OF 4



OUTDOOR PHOTOMETRIC REPORT
 CATALOG: KAD LED 60C 700 50K R4 MVOLT



Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,578.6	9.8%
0-40	2,760.5	17.2%
0-60	7,389.8	46%
60-90	8,692.1	54%
70-100	4,233.0	26.3%
90-120	0.000	0%
0-90	16,081.9	100%
90-180	0.000	0%
0-180	16,081.9	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	194.8	1.2%	90-100	0.000	0%
10-20	545.3	3.4%	100-110	0.000	0%
20-30	838.6	5.2%	110-120	0.000	0%
30-40	1,181.9	7.3%	120-130	0.000	0%
40-50	1,706.1	10.6%	130-140	0.000	0%
50-60	2,923.1	18.2%	140-150	0.000	0%
60-70	4,459.1	27.7%	150-160	0.000	0%
70-80	3,774.2	23.5%	160-170	0.000	0%
80-90	458.8	2.9%	170-180	0.000	0%

Roadway Summary

Distribution:	TYPE IV, MEDIUM	
Max Cd, 90 Deg Vert:	0.000	
Max Cd, 80 to <90 Deg:	3,683.6	
	<u>Lumens</u>	<u>% Lamp</u>
Downward Street Side:	12,745.5	79.3%
Downward House Side:	3,335.5	20.7%
Downward Total:	16,081.0	100%
Upward Street Side:	0.000	0%
Upward House Side:	0.000	0%
Upward Total:	0.000	0%
Total Lumens:	16,081.0	100%

LCS Table

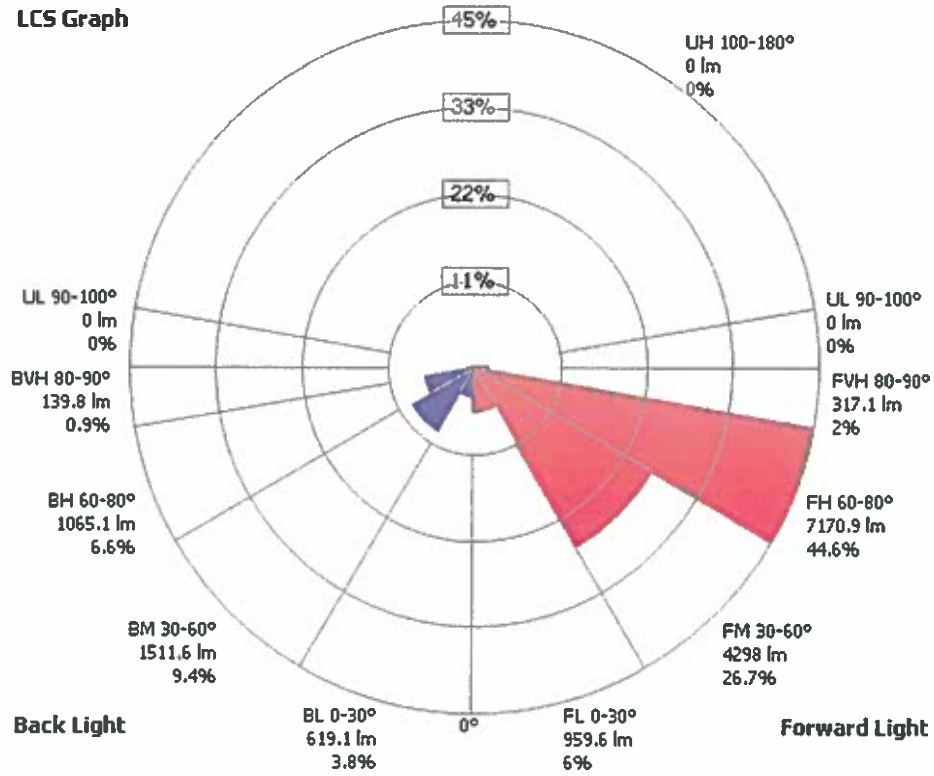
BUG Rating	B3 - U0 - G3	
	Lumens	Lumens %
Forward Light		
Low(0-30):	959.6	6%
Medium(30-60):	4,298.0	26.7%
High(60-80):	7,170.9	44.6%
Very High(80-90):	317.1	2%
Back Light		
Low(0-30):	619.1	3.8%
Medium(30-60):	1,511.6	9.4%
High(60-80):	1,065.1	6.6%
Very High(80-90):	139.8	0.9%
Uplight		
Low(90-100):	0.000	0%
High(100-180):	0.000	0%
Trapped Light:	0.8	0%



OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT



LCS Graph



Back Light

Forward Light

Scale = Max LCS %

Trapped Light: 0.8 lm, 0%

OUTDOOR PHOTOMETRIC REPORT
CATALOG: KAD LED 60C 700 50K R4 MVOLT



Candela Table - Type C

	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034	2034
5	2116	2128	2121	2111	2113	2107	2089	2084	2066	2058	2019	1987	1966	1961	1945	1927	1924	1924	1911
10	2233	2250	2241	2226	2217	2184	2146	2134	2121	2095	2019	1979	1933	1916	1896	1849	1810	1777	1704
15	2323	2288	2318	2350	2321	2241	2185	2181	2179	2137	2042	1969	1912	1764	1535	1339	1218	1158	1067
20	2310	2298	2302	2289	2326	2337	2217	2216	2243	2180	2067	1978	1686	1269	1028	980	972	972	971
25	2312	2313	2338	2363	2373	2342	2321	2273	2321	2247	2103	1874	1262	984	938	930	958	962	965
30	2337	2337	2356	2381	2440	2409	2421	2344	2381	2301	2128	1635	1088	937	920	888	909	1030	1196
35	2426	2423	2429	2450	2500	2535	2467	2526	2515	2400	2139	1398	1096	957	846	946	1120	1251	1227
40	2719	2694	2673	2647	2656	2676	2648	2736	2563	2548	2092	1271	970	844	838	890	996	1079	1133
45	3231	3329	3306	3193	3125	3083	3133	2889	2799	2802	1974	1230	902	806	831	957	1163	1319	1375
50	4040	4163	4295	4163	3919	3744	3693	3335	3209	3235	1766	1185	852	774	938	1130	1193	1185	1268
55	5377	5504	5847	5619	5287	4841	4630	4321	4096	4041	1431	1134	800	815	1118	1314	1614	1666	1740
60	6320	6382	7102	7563	7240	6665	6290	5894	5209	4851	1078	1061	788	933	1485	1898	1761	1530	1322
65	6813	6851	7893	8411	8516	8455	8400	7685	6542	5697	917	888	817	1059	1924	1467	1080	905	884
70	6780	6943	8684	9597	9199	9278	9856	9133	7584	6257	741	746	742	1272	1380	936	812	711	641
75	4638	4124	6962	9332	9843	9777	9775	7753	4854	3446	561	578	741	1034	746	636	557	494	440
80	502	534	854	2024	3314	3684	2715	1298	790	534	423	645	790	704	468	418	347	310	255
85	223	238	392	502	547	637	696	641	385	197	221	489	583	311	216	184	158	134	92
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Catalog Number		SSS 25 4C DM19 DDB
Notes	Type AA	

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.



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

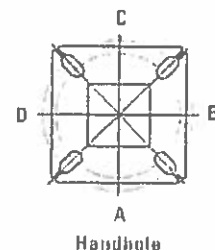
SSS	25	4C	DM19	Options	DDB
Shaft type SSS	Nominal shaft length 10 - 39 feet (see back page.)	Nominal shaft base size/ wall thickness (See back page.)	Mounting ¹	Shipped installed	Finish ²
			Tenon Mounting	L/AB Less anchor bolts	DDB Dark bronze
			PT Open top	VD Vibration damper	DWH White
			T20 2-3/8" O.D. (2" NPS)	TP Tamper proof	DBL Black
			T25 2-7/8" O.D. (2-1/2" NPS)	Hox Horizontal arm bracket (1 fixture) ^{4,5}	DMB Medium bronze
			T30 3-1/2" O.D. (3" NPS)	FBLxx Festoon outlet less electrical ⁴	DNA Natural aluminum
			T35 4" O.D. (3-1/2" NPS)	FGLxx Festoon GF ³ outlet less electrical ⁴	GALV Galvanized finish
			Drill Mounting²	12CPxx 1/2" coupling ⁴	
			DM19 1 at 90°	34CPxx 3/4" coupling ⁴	
			DM25 2 at 180°	1CPxx 1" coupling ⁴	
			DM28PL 2 at 180° with one side plugged	12NPxx 1/2" threaded nipple ⁴	
			DM29 2 at 90°	34NPxx 3/4" threaded nipple ⁴	
			DM39 3 at 90°	1NPxx 1" threaded nipple ⁴	
			DM49 4 at 90°	Hbox Extra handhole ^{4,5}	
			AERIS/OMERO Drill Mounting²		
			DM19AS 1 at 90°		
			DM28AS 2 at 180°		
			DM29AS 2 at 90°		
			DM39AS 3 at 90°		
			DM49AS 4 at 90°		
			AERIS Suspend Drill Mounting^{2,3}		
			DM19AST_ 1 at 90°		
			DM28AST_ 2 at 180°		
			DM29AST_ 2 at 90°		
			DM39AST_ 3 at 90°		
			DM49AST_ 4 at 90°		
			OMERO Suspend Drill Mounting^{2,1}		
			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.

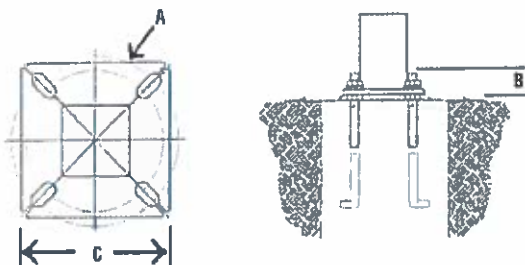
HANDHOLE ORIENTATION



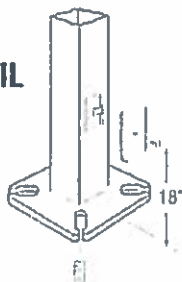
SSS Square Straight Steel Poles

TECHNICAL INFORMATION

Catalog Number	Nominal shaft length (feet)	Pole Shaft Size (in x in x ft)	Wall Thickness (inches)	Gauge	EPA (ft²) 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 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

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