

4" Accent Shallow Luminaire

A4S

MR16
Non-IC Rated 120V, 277V
Low Voltage

APPLICATIONS:

The Architektür A4S provides a shallow 4" specification grade, adjustable accent luminaire for a wide variety of commercial and high-end residential projects where ceiling space is limited. Suitable for new construction where insulation is not installed within 3" of the fixture. The A4S is ideal for applications that require an uncluttered ceiling and dramatic illumination of featured items. Specify the A4S commercially in office, retail, and hospitality spaces, and residentially in bedrooms, living rooms, foyers, and hallways.

HOUSING:

Tool-less, top accessible 20 gauge powder painted steel housing in matte black. 18 gauge galvanized steel plaster flange.

OPTICS/REFLECTOR:

Stainless steel trim retention torsion springs standard. Media holder (included with housing) accepts up to 2 media. Clear tempered glass lens provided with housing. Trim flanges are made of diecast aluminum standard, but are available with a self flange option (ST). Reflectors are Alzak which will not yellow, crack, or warp. All trims feature translating center beam optics, 45° vertical aiming (excluding FC and AC trims) and 362° rotational aiming. Hot aiming (with trim in place) standard for all trims. Both vertical and horizontal adjustments can be locked in place without tools.

LAMP/SOCKET:

MR16 Low Voltage bi-pin socket with teflon leads. Integral heat shield. Thermal protector prevents fixture from overheating when improperly installed or over-lamped. Accommodates 20-50W MR16 lamps. Lamps furnished by others.

TRANSFORMER:

Electronic enclosed transformer. 75VA, 11.5V secondary. Transformer easily serviceable from above or below ceiling. Transformer is compatible with all incandescent two- and three-wire line voltage, low voltage magnetic, low voltage electronic, and low voltage reverse phase dimmers.

INSTALLATION:

Universal adjustable mounting brackets accommodate 1 1/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

J-BOX:

Prewired 18 gauge galvanized steel junction box with snap-on cover. J-box is accessible from above or below ceiling. Rated for through wiring (4 in/4 out, 90° C).

LABELS:

UL listed for all common ceiling types. Insulation, if present, must be kept 3" away from housing sides. UL listed for damp locations and through wiring. UL listed for wet locations when used with 4W1 or 4L1 trim. CSA certified. Thermally protected.

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____



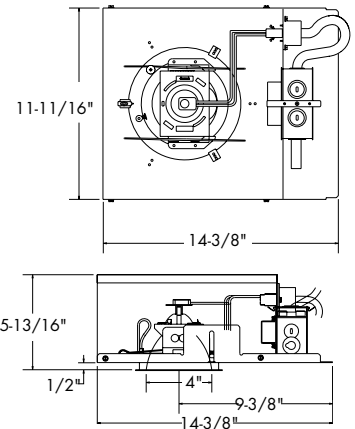
Aperture: 4.0"

Ceiling Cutout: 5"

Maximum Ceiling Thickness: 1 1/2"

For conversion to millimeters, multiply inches by 25.4

Not to Scale



CATALOG NUMBER:

EXAMPLE: A4SMR 4C1STWT

Order housing, reflector, and accessories separately

HOUSING		HOUSING OPTIONS		TRIMS		TRIM ANGLE		TRIM OPTIONS		ACCESSORIES	
<input type="checkbox"/> A4SMR 120V 4", (1) 20-50W MR16	<input type="checkbox"/> 277V J-Box mounted stepdown transformer	<input type="checkbox"/> 4C1¹ Alzak Reflector Cone (MR16)	<input type="checkbox"/> Blank Standard 45° cut	<input type="checkbox"/> REFLECTOR FINISH	<input type="checkbox"/> WE ¹ Wheat Alzak	<input type="checkbox"/> B24 Set of two (2) 24" Bar Hangers for T-bar Ceilings					
<input type="checkbox"/> CP Chicago Plenum Fixture construction and/or specifications may vary. Refer to Chicago Plenum specification sheets on www.prescolite.com for details.	<input type="checkbox"/> 4W1¹ Alzak Lensed Wallwash (MR16)	<input type="checkbox"/> 4B1² Baffle (MR16)	<input type="checkbox"/> FC⁴ Full Cut (static position)	<input type="checkbox"/> Blank ¹ Specular Alzak	<input type="checkbox"/> LW ¹ Light Wheat Alzak	<input type="checkbox"/> B6 Set of two (2) 24" Bar Hangers for ceiling joists up to 24" centers					
<input type="checkbox"/> MW20MR16 Max Wattage label, 20W	<input type="checkbox"/> 4S1² Slot (MR16)	<input type="checkbox"/> 4W1¹ Alzak Lensed Wallwash (MR16)	<input type="checkbox"/> AC⁴ Angle Cut in increments of 5°. Max 40°. (must specify angle i.e AC25)	<input type="checkbox"/> SS ¹ Semi-Specular Alzak	<input type="checkbox"/> PW ¹ Pewter Alzak						
<input type="checkbox"/> MW35MR16 Max Wattage label, 35W	<input type="checkbox"/> 4P1² Pinhole Spot (MR16)	<input type="checkbox"/> 4S1² Slot (MR16)	<input type="checkbox"/> FLANGE OPTIONS	<input type="checkbox"/> MFC ¹ American Matte™ Alzak	<input type="checkbox"/> WH ² White Paint						
	<input type="checkbox"/> 4L1^{2.5} Etched Lens Shower Trim (MR16)	<input type="checkbox"/> 4P1² Pinhole Spot (MR16)	<input type="checkbox"/> Blank Diecast Aluminum Flange	<input type="checkbox"/> REFLECTOR FINISH COLOR	<input type="checkbox"/> Z ² Zet Silver Paint						
		<input type="checkbox"/> 4L1^{2.5} Etched Lens Shower Trim (MR16)	<input type="checkbox"/> ST Self Flanged (Cones, Baffles, & Lensed Wall Wash Trims only)	<input type="checkbox"/> CG ¹ Champagne Gold Alzak	<input type="checkbox"/> FLANGE FINISH (REQUIRED)						
			<input type="checkbox"/> MFC¹ American Matte™ Alzak	<input type="checkbox"/> BL ¹ Black Alzak ² Black Paint	<input type="checkbox"/> Blank Anodized finish (ST option cone or lensed wall wash trims only)						
					<input type="checkbox"/> WT White Trim Flange						
					<input type="checkbox"/> BAT³ Brushed Aluminum Trim Flange						
					<input type="checkbox"/> BT Black Trim Flange						
					<input type="checkbox"/> ZT Zet Silver Trim Flange						

¹Alzak finishes available on 4C1 & 4W1, 4C1ST, 4W1ST trims only

²Painted finishes on 4B1, 4S1, 4P1, and 4L1 trims

³Not available with ST self flange option

⁴FC & AC available for 4C1, 4B1, 4C1ST, 4B1ST trims only

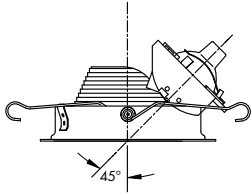
⁵Specular clear Alzak upper reflector standard. Do not specify reflector finish or color



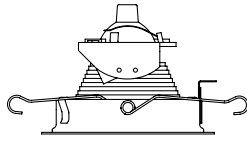
In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product.
Web: www.prescolite.com • Tech Support: (888) 777-4832

ARCH-INC-041

Baffle

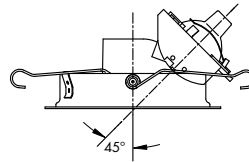


4B1
Baffle. Max. 50W MR16.



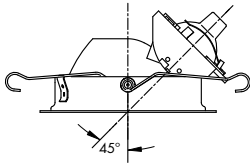
4B1FC
Baffle. Max. 50W MR16.

Pinhole Spot

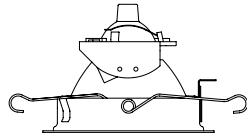


4P1
Pinhole spot. Max. 50W MR16.

Open

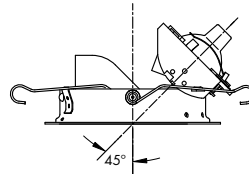


4C1
Alzak cone. Max. 50W MR16.



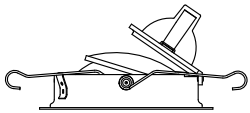
4C1FC
Alzak cone. Max. 50W MR16.

Slot



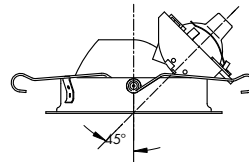
4S1
Slot. Max. 50W MR16.

Wall Wash

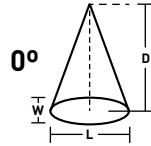


4W1
Alzak cone with linear spread lens.
Max. 50W MR16.
No vertical adjustment.

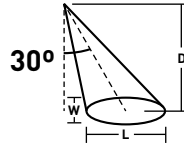
Shower Trim



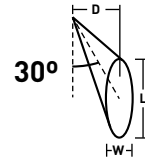
4L1
Lensed shower trim. Max. 50W
MR16.



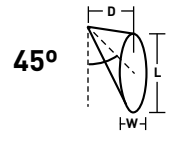
FC ON HORIZONTAL PLANE



FC ON HORIZONTAL PLANE



FC ON VERTICAL PLANE



FC ON VERTICAL PLANE

A4SMR 4C1WH
Clear Alzak Reflector
MR16 50W NFL25
Test No. 1016.50
1017.50
1018.50

D	FC	L	W
4'	186	1.7'	1.7'
6'	83	2.5'	2.5'
7'	61	2.9'	2.9'
8'	46	3.3'	3.3'
9'	37	3.8'	3.8'
10'	30	4.2'	4.2'
12.5'	19	5.2'	5.2'

D	FC	L	W
4'	104	2.3'	2.4'
6'	46	3.4'	3.6'
7'	34	3.9'	4.2'
8'	26	4.5'	4.8'
9'	21	5.1'	5.5'
10'	17	5.6'	6.1'
12.5'	10	7.0'	7.6'

D	FC	L	W
2'	80	2.4'	2.1'
3'	36	3.6'	3.1'
4'	20	4.8'	4.2'
5'	13	6'	5.2'
6'	9	7.2'	6.3'
8'	5	9.6'	8.4'
10'	3	12'	10.5'

D	FC	L	W
2'	216	1.4'	1.5'
3'	96	2.1'	2.3'
4'	54	2.8'	3.1'
5'	34	3.5'	3.8'
6'	24	4.2'	4.6'
8'	14	5.6'	6.1'
10'	9	7.0'	7.6'

A4SMR 4C1WH
White Cone
MR16 50W NFL25
Test No. 831.50
832.50
833.50

D	FC	L	W
4'	146	2.2'	2.2'
6'	65	3.4'	3.4'
7'	47	3.9'	3.9'
8'	36	4.5'	4.5'
9'	29	5.0'	5.0'
10'	23	5.6'	5.6'
12.5'	15	7.0'	7.0'

D	FC	L	W
4'	65	2.1'	1.9'
6'	29	3.2'	2.8'
7'	21	3.7'	3.3'
8'	16	4.3'	3.8'
9'	13	4.8'	4.3'
10'	10	5.4'	4.7'
12.5'	6	6.7'	5.9'

D	FC	L	W
2'	50	2.5'	1.7'
3'	22	3.8'	2.5'
4'	13	5.0'	3.3'
5'	8	6.3'	4.1'
6'	6	7.5'	5.0'
8'	3	10.0'	6.6'
10'	2	12.5'	8.3'

D	FC	L	W
2'	277	1.5'	1.0'
3'	123	2.3'	1.5'
4'	70	3.0'	2.1'
5'	44	3.8'	2.6'
6'	30	4.5'	3.1'
8'	18	6.0'	4.1'
10'	11	7.5'	5.1'

A4SMR 4B1WH
White Baffle
MR16 50W NFL25
Test No. 776a.50
787a.50
788a.50

D	FC	L	W
4'	138	1.9'	1.9'
6'	62	2.9'	2.9'
7'	45	3.4'	3.4'
8'	34	3.8'	3.8'
9'	27	4.3'	4.3'
10'	22	4.8'	4.8'
12.5'	14	6.0'	6.0'

D	FC	L	W
4'	61	2.2'	1.6'
6'	27	3.3'	2.4'
7'	20	3.8'	2.8'
8'	15	4.3'	3.2'
9'	12	4.9'	3.6'
10'	10	5.4'	3.9'
12.5'	6	6.8'	4.9'

D	FC	L	W
2'	47	2.6'	1.3'
3'	21	4.0'	2.0'
4'	12	5.3'	2.6'
5'	7	6.6'	3.3'
6'	6	7.9'	4.0'
8'	3	10.6'	5.3'
10'	2	13.2'	6.6'

D	FC	L	W
2'	257	1.5'	0.9'
3'	114	2.3'	1.3'
4'	64	3.0'	1.7'
5'	41	3.8'	2.2'
6'	29	4.5'	2.6'
8'	16	6.0'	3.5'
10'	10	7.5'	4.3'

A4SMR 4P1WH
Pinhole
MR16 50W NSP10
Test No. 1038.50
1039.50
1040.50

D	FC	L	W
4'	346	0.7'	0.7'
6'	154	1.0'	1.0'
7'	113	1.2'	1.2'
8'	86	1.4'	1.4'
9'	68	1.5'	1.5'
10'	55	1.7'	1.7'
12.5'	35	2.1'	2.1'

D	FC	L	W
4'	280	1.1'	0.8'
6'	124	1.6'	1.3'
7'	91	1.9'	1.5'
8'	70	2.2'	1.7'
9'	55	2.5'	1.9'
10'	44	2.7'	2.1'
12.5'	29	3.4'	2.6'

D	FC	L	W
2'	215	1.8'	0.7'
3'	96	2.8'	1.1'
4'	54	3.7'	1.5'
5'	35	4.6'	1.8'
6'	24	5.5'	2.2'
8'	13	7.4'	2.9'
10'	8	9.2'	3.6'

D	FC	L	W
2'	564	0.9'	0.6'
3'	251	1.3'	0.9'
4'	140	1.7'	1.1'
5'	90	2.1'	1.4'
6'	62	2.6'	1.7'
8'	35	3.4'	2.3'
10'	22	4.3'	2.9'

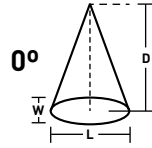
A4SMR 4S1WH
Slot
MR16 50W NSP10
Test No. 1067.50
1068.50
1069.50

D	FC	L	W
4'	357	0.9'	0.9'
6'	159	1.3'	1.3'
7'	117	1.6'	1.6'
8'	89	1.8'	1.8'
9'	71	2.0'	2.0'
10'	57	2.2'	2.2'
12.5'	36	2.8'	2.8'

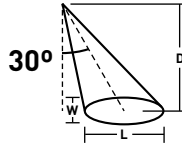
D	FC	L	W
4'	182	1.1'	1.2'
6'	81	1.7'	1.9'
7'	60	2.0'	2.2'
8'	46	2.3'	2.5'
9'	36	2.6'	2.8'
10'	30	2.9'	3.1'
12.5'	19	3.6'	3.9'

D	FC	L	W
2'	140	2.1'	1.1'
3'	62	3.1'	1.6'
4'	35	4.1'	2.2'
5'	22	5.2'	2.7'
6'	16	6.2'	3.2'
8'	9	8.3'	4.3'
10'	6	10.3'	5.4'

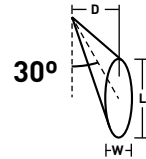
D	FC	L	W
2'	311	0.8'	0.7'
3'	137	1.2'	1.0'
4'	77	1.6'	1.3'
5'	49	1.9'	1.7'
6'	35	2.3'	2'
8'	20	3.1'	2.7'
10'	12	3.9'	3.4'



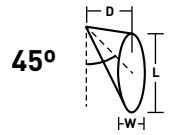
FC ON HORIZONTAL PLANE



FC ON HORIZONTAL PLANE



FC ON VERTICAL PLANE



FC ON VERTICAL PLANE

A4SMR 4L1WT

Etched Lensed
Shower Trim

50MR16/SP10

Test No. 1749

1750

1751

D	FC	L	W
4'	350	1.1'	1.1'
6'	156	1.6'	1.6'
7'	114	1.9'	1.9'
8'	88	2.1'	2.1'
9'	69	2.4'	2.4'
10'	56	2.6'	2.6'
12.5'	36	3.3'	3.3'

D	FC	L	W
4'	187	1.7'	1.3'
6'	83	2.6'	1.9'
7'	61	3.1'	2.2'
8'	47	3.5'	2.5'
9'	37	3.9'	2.8'
10'	30	4.4'	3.2'
12.5'	19	5.5'	4.0'

D	FC	L	W
2'	144	2.4'	1.7'
3'	64	3.6'	2.5'
4'	36	4.8'	3.3'
5'	23	6.0'	4.1'
6'	16	7.2'	5.0'
8'	9	9.6'	6.6'
10'	6	12.0'	8.3'

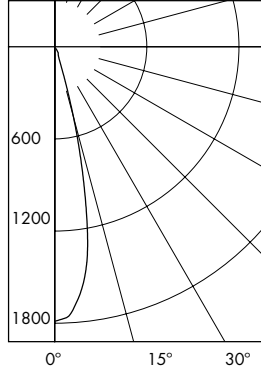
D	FC	L	W
2'	315	1.3'	1.1'
3'	140	1.9'	1.6'
4'	79	2.6'	2.2'
5'	50	3.2'	2.7'
6'	35	3.9'	3.3'
8'	20	5.1'	4.4'
10'	13	6.4'	5.5'

PHOTOMETRY

A4SMR with 4B1FCWH

Lamp: MR16 50W NFL
Spacing Criteria: 0.4
Efficiency: 91.5%

CANDLEPOWER DISTRIBUTION



Test No. 2282

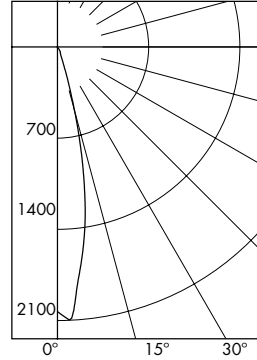
CANDLEPOWER SUMMARY

Angle	Mean CP	Lumens
0	4022	
5	3746	338
15	1063	297
25	124	60
35	30	29
45	19	14
55	12	10
65	6	6
75	3	4
85	1	1
90	0	

A4SMR with 4C1FC

Lamp: MR16 50W NFL
Spacing Criteria: 0.4
Efficiency: 93.8%

CANDLEPOWER DISTRIBUTION



Test No. 2283

CANDLEPOWER SUMMARY

Angle	Mean CP	Lumens
0	4644	
5	4125	365
15	1161	329
25	121	59
35	22	21
45	6	4
55	0	0
65	0	0
75	0	0
85	0	0
90	0	

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average 0°
45°	3313.
55°	2580.
65°	1751.
75°	1429.
85°	1415.

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
Ceiling 80% Wall 50% Floor 20%

SPACING	RCR1	RCR3	RCR7
7.0	19	16	14
8.0	14	12	11
9.0	11	10	8
10.0	9	8	7
11.0	7	6	6
12.0	6	5	5
13.0	5	5	4
14.0	5	4	3
15.0	4	3	3

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average 0°
45°	1046.
55°	0.
65°	0.
75°	0.
85°	0.

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array)
Ceiling 80% Wall 50% Floor 20%

SPACING	RCR1	RCR3	RCR7
7.0	19	16	14
8.0	14	12	11
9.0	11	10	8
10.0	9	8	7
11.0	7	6	6
12.0	6	5	5
13.0	5	5	4
14.0	5	4	3
15.0	4	3	3

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	105	103	101	100	103	101	100	98	98	96	95	94	93	92	91	90	90			
2	102	98	96	93	100	97	94	92	94	92	90	91	90	88	89	88	87			
3	99	94	91	88	97	93	90	88	91	88	86	89	87	85	87	85	84			
4	96	91	87	84	94	90	87	84	88	85	83	86	84	82	85	83	81			
5	93	88	84	81	92	87	84	81	85	83	80	84	82	80	83	81	79			
6	91	85	81	79	89	84	81	78	83	80	78	82	79	77	81	79	77			
7	88	83	79	76	87	82	79	76	81	78	76	80	77	75	79	77	75			
8	86	80	77	74	85	80	76	74	79	76	74	78	76	74	78	75	73			
9	84	78	75	72	83	78	75	72	77	74	72	77	74	72	76	74	72			
10	82	77	73	71	82	76	73	71	76	73	71	75	72	70	75	72	70			

Test No. 2282

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	108	106	105	103	106	104	103	102	101	100	99	97	96	96	94	94	93			
2	105	102	99	97	103	100	98	96	98	96	94	95	94	92	92	91	90			
3	102	98	95	93	101	97	94	92	95	93	91	93	91	89	91	89	88			
4	100	95	92	89	98	94	91	89	92	90	88	91	89	87	89	87	86			
5	97	92	89	86	96	91	88	86	90	87	85	89	86	85	87	85	84			
6	95	90	86	84	94	89	86	83	88	85	83	87	84	82	86	84	82			
7	93	87	84	82	92	87	84	81	86	83	81	85	82	81	84	82	80			
8	91	85	82	80	90	85	82	79	84	81	79	83	81	79	83	80	79			
9	89	83	80	78	88	83	80	78	82	79	77	82	79	77	81	79	77			
10	87	82	78	76	86	81	78	76	81	78	76	80	77	76	80	77	75			

Test No. 2283



Web: www.prescolite.com • Tech Support: (888) 777-4832
701 Millennium Blvd. • Greenville, SC 29607 U.S.A. • Phone (864) 678-1000
Copyright ©2015 Prescolite, Inc., a division of Hubbell Lighting, Inc. All Rights Reserved
Specifications subject to change without notice. • Printed in U.S.A. • ARCH-INC041 • 5/10/16



HUBBELL
Lighting, Inc.