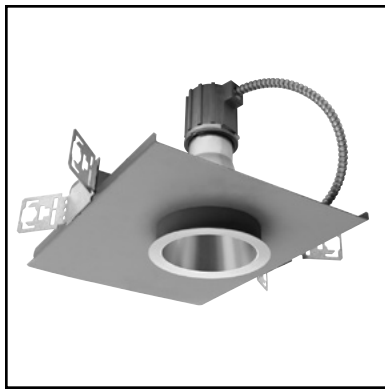




Featuring  VirtualSource  VS Reflectors

4" Vertical Incandescent Open & Baffled Downlight **D4MR**

One 75W MR16 Lamp.
12V

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____

Architektür

Ceiling Cutout: 5"

Maximum Ceiling Thickness: 1 1/4"

For conversion to millimeters,
multiply inches by 25.4

Not to Scale

APPLICATIONS:

The Architektür D4 offers a nominal 4" specification-grade incandescent downlight fixture that provides superior brightness control for a wide variety of applications including commercial, retail, and hospitality.

HOUSING:

One-piece, 18-gauge post-painted CRS platform. Large plaster frame provides superior housing stability in the ceiling. Prewired J-Box with snap-on cover for easy access. J-Box is elevated and angled 15° to provide 95% visibility from below the ceiling after installation for easy maintenance.

REFLECTOR:

High purity aluminum reflector with Alzak finish. Retained with 5-finger grip clips. Self-trim standard. Virtual Source Lighting® optical design provides optimum efficiency and superior brightness control for visual comfort. Baffled units standard with painted white self flange.

TRANSFORMER:

Electronic transformer included with housing. 120V-12V standard. Accessible from below ceiling.

LAMP:

One (1) 75W MR16 (Protected) lamp. Lamp furnished by others.

SOCKET:

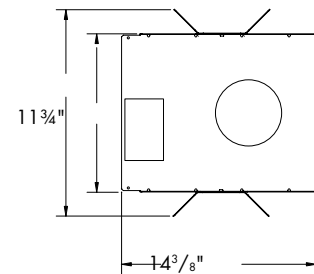
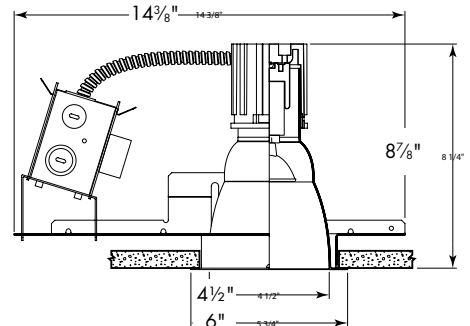
GU5.3 base for MR16. Die cast aluminum heat sink socket cup with tool-less, positive-positioning, reflector-locking spring (patent pending).

INSTALLATION:

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

LABELS:

UL, CSA listed for damp locations
Approved for through wiring.
Thermally protected. Non-IC rated.



CATALOG NUMBER:

EXAMPLE: D4MR-4D1MFCPW-B24

Order housing, reflector, and accessories separately

HOUSING	HOUSING OPTIONS	REFLECTOR	REFLECTOR FINISH	REFLECTOR COLOR	REFLECTOR OPTIONS	ACCESSORIES
☐ D4MR 4", (1) 75W MR16 (120V)	☐ 277V J-Box mounted electronic transformer ☐ FSDFA Fuse kit installed at factory. ☐ MW20MR Max wattage label, 20W MR16 ☐ MW35MR Max wattage label, 35W MR16 ☐ MW50MR Max wattage label, 50W MR16 ☐ MW65MR Max wattage label, 65W MR16 ☐ CP Chicago Plenum	☐ 4D1  Open Alzak reflector ☐ 4DB1 ¹ Open baffle	☐ BLANK Specular Alzak ☐ SS Semi-Specular Alzak ☐ MFC American Matte™ Alzak	☐ BLANK Clear Alzak ☐ CG Champagne Gold Alzak ☐ WE Wheat Alzak ☐ LW Light Wheat Alzak ☐ PW Pewter Alzak ☐ BL Black Alzak (4D1) Black Paint (4DB1) ☐ WH White Paint (4DB1)	☐ TRG Trim ring gasket (factory installed) ☐ WT Painted white self-flange	☐ B24 Set of two (2) 24" bar hangers for T-bar ceilings ☐ B6 Set of two (2) bar hangers for ceiling joists up to 24" centers ☐ SCA5 Sloped ceiling adapter for 4" housings. Specify degree of slope and type of ceiling. Slope ceiling adapter and housing must be installed at the same time. ☐ FSDFI Fuse kit for field installation ☐ 2MLH ² 2-media lamp holder

¹Specify black (BL) or white (WH) color only.
Upper reflector with clear Alzak finish.

²2MLH required for 1 or 2 lens or louvers

PHOTOMETRIC DATA

Architektür D4- 4" Open & Baffled Downlight

D4MR-4D1

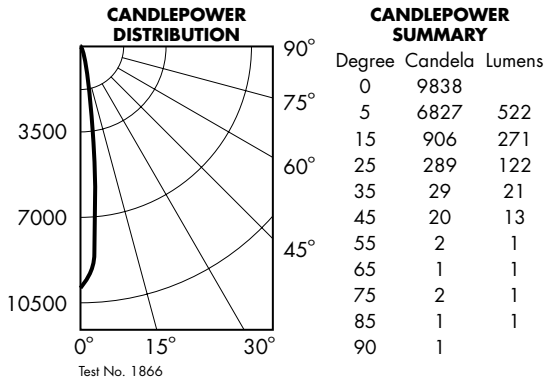
Specular Clear Alzak Reflector

Lamp: One 75W MR16, Spot

Rated Lumens: 1320

Spacing Criteria: 0.2

Efficiency: 72.2%



AVERAGE INITIAL FOOTCANDLES

Assumptions:

Multiple Units (Square Array)

Ceiling 80% Wall 50% Floor 20%

75W MR16, SPOT

SPACING	RCR1	RCR3	RCR7
7.0	17	16	14
8.0	13	12	11
9.0	10	10	9
10.0	8	8	7
11.0	7	6	6
12.0	6	5	5
13.0	5	5	4
14.0	4	4	4
15.0	4	3	3

D4MR-4D1

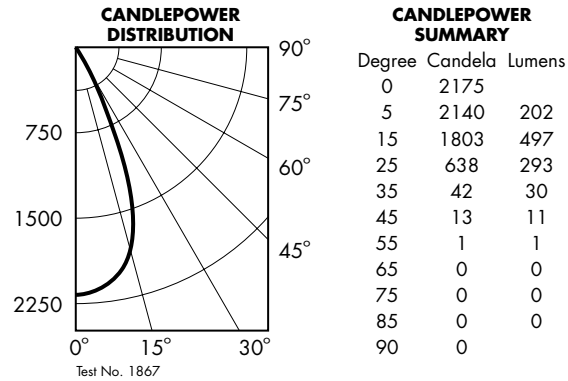
Specular Clear Alzak Reflector

Lamp: One 75W MR16, Flood

Rated Lumens: 1410

Spacing Criteria: 0.6

Efficiency: 73.3%



AVERAGE INITIAL FOOTCANDLES

Assumptions:

Multiple Units (Square Array)

Ceiling 80% Wall 50% Floor 20%

75W MR16, FLOOD

SPACING	RCR1	RCR3	RCR7
7.0	18	17	14
8.0	14	13	11
9.0	11	10	8
10.0	9	8	7
11.0	7	7	6
12.0	6	6	5
13.0	5	5	4
14.0	5	4	3
15.0	4	4	3

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% 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	83	82	81	80	82	80	79	78	78	77	76	75	74	72	72	72	72
2	81	79	77	75	79	77	76	74	75	74	73	73	72	71	71	70	70
3	79	76	73	72	78	75	73	71	73	71	70	71	70	69	69	68	68
4	77	73	71	69	76	73	70	68	71	69	68	70	68	67	67	66	66
5	75	71	69	67	74	71	68	66	69	67	66	68	67	65	67	66	65
6	73	69	67	65	72	69	66	65	68	66	64	67	65	64	66	65	63
7	72	68	65	63	71	67	65	63	66	64	63	66	64	62	65	63	62
8	70	66	63	62	69	66	63	62	65	63	61	64	63	61	64	62	61
9	69	65	62	60	68	64	62	60	64	62	60	63	61	60	63	61	60
10	67	63	61	59	67	63	61	59	63	60	59	62	60	59	62	60	59

D4MR-4D1 75W MR16, SPOT

Test No. 1866

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% 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	84	82	81	79	82	81	79	78	78	77	76	75	74	73	72	71	69
2	81	78	76	74	79	77	75	73	74	73	71	72	71	70	69	68	66
3	78	74	71	69	77	73	70	68	71	69	67	70	68	66	65	64	62
4	75	71	67	65	74	70	67	65	68	66	64	67	65	63	62	61	60
5	72	68	64	62	71	67	64	61	66	63	61	65	62	60	59	58	56
6	70	65	61	59	69	64	61	59	63	60	58	62	60	58	57	56	54
7	67	62	58	56	66	62	58	56	61	58	56	60	57	55	54	53	51
8	65	60	56	54	64	59	56	54	58	55	53	58	55	53	52	51	49
9	63	57	54	51	62	57	54	51	56	53	51	56	53	51	50	49	47
10	61	55	52	49	60	55	52	49	54	51	49	54	51	49	48	47	45

D4MR-4D1 75W MR16, FLOOD

Test No. 1867

NOTES

Refer to www.prescolite.com for additional photometric tests (IES Files).



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