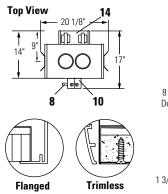
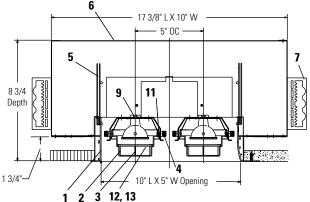


Calculite® ProSpec® Linear Downlight PA2M1675

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PA2M167EBL = (Flanged) Black/White **PA2M167EWL** = (Flanged) White

PA2M167EBTL = (Trimless) Black
PA2M167EWTL = (Trimless) White

Ceiling Cutout: 11 1/16" L x 6 3/16" W

Add a "1" for 120v or "2" for 277v at the end of the catalog number for voltage

Ordering Information: MR 16 Series A

Cat. No.	Lamp	Ceiling Trim	Aperture Finish
PA2M167EBL	(2) 75W MR 16*	Overlap	Black with White Flange
PA2M167EWL	(2) 75W MR 16*	Overlap	White with White Flange
PA2M167EBTL	(2) 75W MR 16*	Trimless	Black
PA2M167EWTL	(2) 75W MR 16*	Trimless	White
Add a "1" for 120v or "2" for 277v at the end of the catalog number for voltage	*50W max. lamping when using accessories		

Features

- Aperture Frame: Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge: Allows convenient loading and removal of up to two accessories (including lamp cover glass; lamp cover glass may be replaced with solid glass accessory). Easily installed and removed for lamping with a simple twisting motion. Constructed of die cast aluminum.
- Cross Blade Louver: Extruded aluminum. 1" deep, provides additional shielding and can be easily removed.
- Adjustable Ring: Allows 360° horizontal and 35° (on width) and 45° (on length) vertical adjustment.
- **5. Tortiontite Spring:** For easy installation of aperture frame.
- 6. Housing: Die formed 22 ga. steel. Finish: Black.
- 7. Mounting Brackets: Adjustable vertically from outside of housing.
- 8. Thermal Protector: Meets NEC and UL & CSA requirements.
- 9. Lampholder: Steatite for GX/GY 5.3 Bi-Pin lamps. 250° C Teflon® leads.
- **10. Junction Box:** 14 ga. steel, 4 x 3 1/2 x 2" box. Allows inspection from below.
- Lamp and Accessory Support: .032" steel, flared for easy entry of Media Cartridge.
- 12. Lens Retaining Ring: .093" spring steel rod. Holds accessories in place.
- 13. Lamp Guard: Heat resistant clear glass. Lamp manufacturers requirement.
- 14. Transformer Housing: Die formed 18 ga. steel.

Electrical

Electric Transformers: Offer reliable operation and are accessible from below for servicing. 12V. Secondary 75 VA. each lamp.

Electronic Controls: Use only dimmers specifically designed for use with magnetic transformers. Low Voltage fixtures may produce audible sound when used with dimmers, which may be objectionable in acoustically critical areas.

UL/cUL listed for through branch circuit wiring with maximum of (8) no. 12 AWG, 90°C.

Finish

All painted finishes are powder coated baked enamel.

Options & Accessories

Accessories: 2 1/2" dia. series, filters, lenses, screens, and louvers, (2) accessories maximum, including lamp cover glass. Lamp guard glass may be replaced with solid glass accessory.

Labels

UL/cUL (Suitable for Damp Location), I B E W

Teflon® is a registered trademark of E. I. DuPont.

US Patent Pending

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

Lightolier a Genlyte company www.lightolier.com 631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710 We reserve the right to change details of design, materials and finish. © 2006 Genlyte Group LLC • C0306





Calculite® ProSpec® Linear Downlight PA2M1675

Page 2 of 2 2 Light MR 16 Series A

Lighting Performance Data

	N	lar	rov	,																
	42W	/MR1	6 VNS	P (EZY	42V	V MR1	6 NSF	(EYR)	42'	N MR	16 SP	(EYS)	50V	/ MR1	16 NSP	(EXT)	75W MR16 NSP (EYF)			
0: 1: 0 1: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0:		3	33				97				78				254			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	19	
BEAM SPREAD (To 50% Max. CP)	7° x 9°			11.5°						20°		11° x 13°				14° x 15°				
MAX. CANDLEPOWER (Candelas)		12	,000		7.076					2.	800		9, 150				11,500			
RATED LIFE (Hours)	3.000			3.000					3,	000		3.000				3,500				
COLOR TEMPERATURE	3,000°K			3,000°K			3,000°K				3,025°K				3,025°K					
O° AIMING ANGLE Illumination on Horizontal Plane 30° AIMING ANGLE Illumination on Horizontal Plane 30° AIMING ANGLE Illumination on Vertical Plane	3' 4' 5' 6'	FC 188 83 47 30 FC 159 77 46 30 FC 167 94 60 41	L 1.0' 1.5' 2.0' 2.5' L 1.1' 1.6' 2.1' 2.6' L 1.5' 2.0' 2.5' 3.0'	W 1.3' 1.9' 2.5' 3.1' W 1.3' 1.8' 2.4' 2.9' W 0.9' 1.3' 1.6' 1.9'	0 7' 10' 13' 16' 0 6' 9' 12' 15' 0 2' 3' 4' 5'	FC 144 71 42 38 FC 128 57 32 20 FC 221 98 55 35	L 1.4' 2.0' 2.6' 3.2' L 1.6' 2.4' 3.2' 4.0' L 1.7' 2.5' 3.3' 4.2'	W 1.4' 2.0' 2.6' 3.2' W 1.4' 2.1' 3.5' W 0.8' 1.2' 1.6' 2.0'	D 4' 6' 8' 10' D 3' 5' 7' 9' D 1' 2' 3' 4'	FC 175 78 44 28 FC 202 73 37 22 FC 350 88 39 22	1.4' 2.1' 2.8' 3.5' L 1.4' 2.4' 3.3' 4.3' L 1.6' 3.1' 4.7' 6.2'	W 1.4' 2.1' 2.8' 3.5' W 1.2' 2.0' 2.9' 3.7' W 0.7' 1.4' 2.1' 2.8'	3' 4' 5'	FC 187 92 54 35 FC 165 73 41 26 FC 286 127 71 46	L 1.3' 1.9' 2.5' 3.1' L 1.5' 2.3' 3.1' 3.9' L 1.6' 2.4' 3.2' 4.0'	3.6° W 1.6° 2.4° 3.2° 3.9° W 0.9° 1.4° 1.8° 2.3°	D 8' 12' 16' 20' D 7' 10' 13' 16' D 3' 4' 5' 6'	FC 180 80 45 25 FC 152 75 44 29 FC 160 90 58 40	L 2.0' 2.9' 3.9' 4.9' L 2.3' 3.3' 4.3' 5.3' 1 4.1' 5.1' 6.2'	W 2.1' 3.2' 4.2' 5.3' W 2.1' 3.0' 4.0' 4.9' W 1.6' 2.0' 2.6' 3.2'
45° AIMING ANGLE Illumination on Vertical or (Horizontal) Plane		FC 170 87 52 35	1.2' 1.7' 2.2' 2.7'	W 1.1' 1.6' 2.0' 2.4'	D 4' 6' 8' 10'	FC 156 69 39 25	1.6' 2.4' 3.3' 4.1'	W 1.1' 1.7' 2.3' 2.8'	D 3' 4' 5' 6'	FC 110 62 40 27	2.2° 2.9° 3.6° 4.4°	W 1.5' 2.0' 2.5' 3.0'	0 4' 6' 8' 10'	FC 202 90 51 32	1.6' 3.2' 3.1' 3.9'	W 1.3' 1.9' 2.6' 3.2'	D 5' 7' 9' 11'	FC 163 83 50 34	2.5° 3.5° 4.5° 5.5°	W 1.9' 2.6' 3.4' 4.1'

30° 1	C
	_

Beam Center Location

Distance D (ft.)	1	2	3	4	5	
Distance C (ft.)	1.7	3.5	5.2	6.9	8.7	
Distance D (ft.)	6	7	8	9	10	
Distance C (ft.)	10.4	12.1	13.8	15.6	17.3	

This chart locates the distance (C) to the center of the light beam for various distances (D) when the lamp is aimed 30° from vertical, the preferred aiming angle for lighting pictures on a wall.

Data are based on bare lamp photometrics. Dashed lines in beam spreads indicate narrow axes of oval shaped beams.

FC is initial footcandles at center of beam. L and W are to the point that the candlepower drops 50% of maximum.

	Medium								Wide											
	50W	/ MR	16 NFL	(EXZ)	750	75W MR16 NFL (EYJ)				W MF	R16 FL	EYP)	50W MR16 FL (EXN)				75W MR16 FL (EYC			
O' 1' 30 1' 31 A' 4' 50 6 FOOTCANDLES (On Beam Center At 6')		83			128						28									
BEAM SPREAD (To 50% Max. CP)					25°						20 36°		42				56			
MAX. CANDLEPOWER (Candelas)	22° x 27°							-				37° x 39°				38° x 40°				
			000	-	4,600				-		991		1,500				2,000			
RATED LIFE (Hours)	3,000			3,500				3,000				3,000				3,500				
COLOR TEMPERATURE	2		25°K			3,050°K			3,050°K				3,050°K				3,500°K			
O° AIMING ANGLE Illumination on Horizontal Plane	6' 8' 10' 12'	83 47 30 21	2.3' 3.1' 3.9' 4.7'	2.9' 3.8' 4.8' 5.8'	6' 8' 10' 12'	FC 128 72 46 32	2.7' 3.5' 4.4' 5.3'	2.7' 3.5' 4.4' 5.3'	3' 5' 7' 9'	FC 110 40 20 12	1.9' 3.2' 4.5' 5.8'	1.9' 3.2' 4.5' 5.8'	4' 6' 8' 10'	94 42 23 15	2.7' 4.0' 5.4' 6.7'	2.8' 4.2' 5.7' 7.1'	D 4' 6' 8' 10'	FC 125 56 31 20	2.8' 4.1' 5.5' 6.9'	2.9' 4.4' 5.8' 7.3'
30° AIMING ANGLE Illumination on Horizontal Plane	D 4' 6' 8' 10'	FC 122 54 30 19	2.1' 3.1' 4.2' 5.2'	2.2' 3.3' 4.4' 5.5'	D 5' 7' 9' 11'	FC 120 61 37 25	3.0° 4.2° 5.4° 6.6°	W 2.6' 3.6' 4.6' 5.6'	D 3' 5' 7' 9'	FC 72 26 13 8	2.7' 4.5' 6.3' 8.1'	2.3' 3.8' 5.3' 6.8'	D 3' 5' 7' 9'	FC 108 39 20 12	2.8' 4.6' 6.5' 8.3'	W 2.5' 4.1' 5.7' 7.4'	D 3' 5' 7' 9'	FC 144 52 27 16	L 2.9' 4.8' 6.7' 8.6'	W 2.5' 4.2' 5.9' 7.6'
30° AIMING ANGLE Illumination on	D 2' 3' 4'	FC 94 42 23	3.5° 5.3° 7.0°	W 1.9' 2.9' 3.8'	D 2' 3' 4'	FC 144 64 36	4.2' 6.2' 8.3'	W 1.8' 2.7' 3.5'	D 1' 2' 3'	FC 124 31 14	3.8° 7.6° 11.4°	W 1.3' 2.6' 3.9'	D 1' 2' 3'	FC 188 47	4.0' 8.1' 12.1'	1.4' 2.8' 4.2'	D 1' 2' 3'	FC 250 63 28	4.3' 8.6' 12.8'	W 1.5' 2.9' 4.4'
Vertical Plane	5'	15	8.8	4.8	5'		10.4	4.4'	4'		15.2'	5.2	4'	12	16.1	5.7	4		17.1	5.8
45° AIMING ANGLE Illumination on Vertical or (Horizontal) Plane	3' 5' 7' 9'	FC 118 42 22 13	2.4' 4.0' 5.7' 7.3'	2.0' 3.4' 4.8' 6.1'		FC 181 65 33 20	2.1' 4.7' 6.5' 8.4'	1.9' 2.1' 4.4' 5.6'	2' 3' 4' 5'	88 39 22 14	2.9' 4.4' 5.8' 7.3'	1.8' 2.8' 3.7' 4.6'	2' 3' 4' 5'	FC 133 59 33 21	3.0° 4.5° 6.0° 7.5°	2.0' 3.0' 4.0' 5.0'	2' 3' 4' 5'	79 44 28 20	4.7' 6.3' 7.8' 9.4'	3.1' 4.1' 5.1' 6.2'

LIGHTOLIER

Job Information

Type: