

# OM475MR16LVRADJ25

4" Low Voltage 25° Adjustable Downlight

CAT. NO:

TYPE:

PROJECT:



## PRODUCT INFORMATION

### Applications

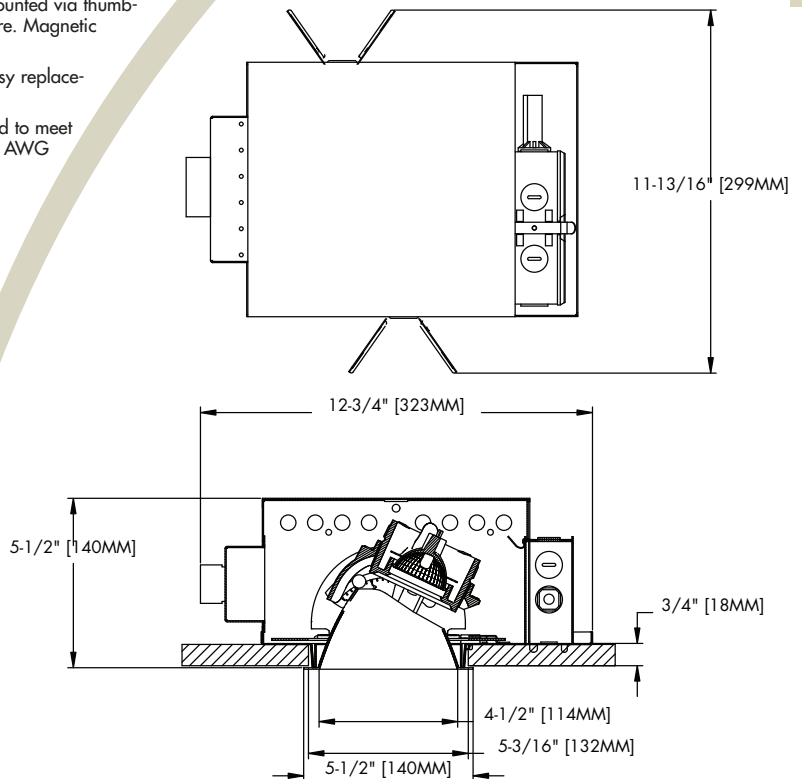
Recessed 25° adjustable downlight well suited for general or accent lighting in sloped ceiling applications, auditoriums, schools, restaurants, hotels, and offices. Full horizontal rotation makes this fixture ideal for highlighting store displays, sculptures, or vertical surfaces. Low brightness reflector matches all other 4" aperture downlights from Omega.

### Specifications

- Housing** - Heavy 20 gauge formed steel housing features a matte black finish to suppress stray light.
- Installation** - Mounting pan has pre-installed universal mounting brackets with vertical adjustment. Junction box and mounting brackets are accessible from below ceiling. Housing is accessible from above ceiling through removable top cover. For 24" C-channel hangers (pair), specify Q1032 accessory, ordered separately. For 27" flat bar hangers (pair), specify Q1031 accessory, ordered separately. For adjustable bar hangers (pair), specify Q1033 accessory, ordered separately.
- Transformer** - Dimmable electronic transformer reduces weight and noise. Mounted via thumb-screws for tool-less replacement. Serviceable from above or through the aperture. Magnetic transformer optional.
- Socket** - Bi-pin 20-75 watt GU 5.3 base with a quick-disconnect plug for easy replacement.
- Junction Box** - Extra large 32-cubic inch 16 gauge galvanized steel designed to meet U.L./NEC requirements. Approved for through branch wiring with up to 6 #12 AWG connectors.
- Hot Aim** - Feature that facilitates obstruction-free aiming with a screwdriver.
- Aim Locks** - Rotation and tilt adjustments are lockable via thumbscrews, providing tool-less locking. Mechanical locks also prevent misalignment during relamping.
- Trims** - Keyed trim assembly with torsion spring ensures proper installation and allows trim to hang hands-free during aiming or relamping. The aperture features a slot opening for the lamp to limit visibility into the housing. Lamp tilts up to 25°. Alzak finish and self-flanged features are standard.
- Media** - Accommodates up to 3 media cartridges. Media remains in place during relamping.
- Tilt Mechanism** - Die-cast assembly features indexing for consistent aiming. Shroud extension covers aperture to block view of the inside of the housing.
- Lamp Retention System** - Patented lamp retention spring holds the lamp and media captive and simplifies relamping.
- Relamping** - Fixture is suitable for top and bottom relamping. Additional relamp label provided for commissioning.
- Heat Sink** - Die-cast aluminum lamp and media cartridge dissipates heat to lower operating temperatures and lengthen lamp life.
- Thermal Protection** - A thermal protection device which meets all U.L. and NEC requirements is standard.
- U.L. Listed** - For use in Non-IC damp locations and approved for Through Branch Circuit Wiring. I.B.E.W. union made.

♦ Canadian Specifications may vary from these shown, consult Canadian Division.

C-Channel not included.



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## CATALOG SYSTEM AND OPTIONS

EXAMPLE OF COMPLETE CATALOG NUMBER: OM475MR16LVRADJ25-CS-ET120

OMEGA Revelation 4"	Max Wattage/Lamp	Housing Construction	Trim Finish	Flange Option	Supply Voltage	Lens Accessories	Bar Hanger Accessories
OM4	75MR16LV	RADJ25 Recessed Adjustable 25°	CS Clear Specular CSS Clear HZ Haze GS Gold Specular WT Wheat PW Pewter BZ Bronze BK Black Alzak WH White WB White Baffle BB Black Baffle	Blank White FF Finish Flange (matches trim)	ET120 Electronic 120vac ET277 Electronic 277vac MB120 Magnetic 120vac MB277 Magnetic 277vac	OMMR16AF Amber Filter OMMR16BF Blue Filter OMMR16RF Red Filter OMMR16GF Green Filter OMMR16YF Yellow Filter OMMR16PF Pink Filter OMMR16LS Linear Spread OMMR16UV Optivex UV Filter OMMR16FL Frosted Lens OMMR16SO Solite Lens OMMR16LR Louver OMMR16PL Prismatic Lens	Q1031 Flat Bar Hanger Q1032 Channel Bar Hanger Q1033 Adjustable Bar Hanger



FIVE YEAR  
Warranty

**OM475MR16LVRADJ25-CS-ET120****Adjustable Clear Specular - 25° Tilt  
Narrow Spot 15°**

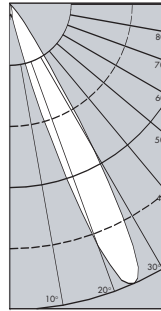
Report Number: 26574

Lamp: Q71MR16 NSP15

Total Lumens: 1125

IES File: F26574.IES

## DISTRIBUTION CURVE



90: -----  
0: -----  
f26574

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	2	
85	0	2	413
75	0	2	139
65	0	2	85
55	1	2	94
45	43	3	1158
35	608	15	
25	4276	80	
15	1227	226	
5	319	338	
0	322	322	

COEFFICIENTS OF UTILIZATION  
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
	50	30		50	30		50	30	
RW	50	30		50	30		50	30	
0	112	112		109	109		105	105	
1	104	102		102	100		97	95	
2	96	93		94	91		92	89	
3	90	84		89	83		85	81	
4	83	78		82	78		81	76	
5	78	71		77	71		75	70	
6	72	67		71	67		70	66	
7	68	61		67	61		66	60	
8	64	57		63	57		61	56	
9	59	54		58	54		57	53	
10	56	50		55	50		55	50	

**OM475MR16LVRADJ25-CS-ET120****Adjustable Clear Specular - 25° Tilt****Narrow Flood 25°**

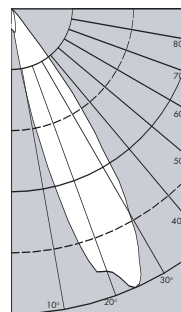
Report Number: 26575

Lamp: Q71MR16 NFL25

Total Lumens: 1175

IES File: F26575.IES

## DISTRIBUTION CURVE



90: -----  
0: -----  
f26575

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	2	
85	0	2	413
75	0	2	139
65	0	2	85
55	1	2	94
45	37	6	1082
35	884	19	
25	2178	86	
15	1612	224	
5	302	324	
0	285	285	

COEFFICIENTS OF UTILIZATION  
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
	50	30		50	30		50	30	
RW	50	30		50	30		50	30	
0	107	107		104	104		100	100	
1	98	96		96	94		93	92	
2	92	88		90	86		88	84	
3	85	81		83	80		81	78	
4	80	75		79	73		77	72	
5	73	68		72	68		71	67	
6	68	64		68	64		67	63	
7	65	58		64	58		63	57	
8	60	55		59	55		58	54	
9	56	51		56	51		56	51	
10	53	47		53	47		52	46	

**OM475MR16LVRADJ25-CS-ET120****Adjustable Clear Specular - 25° Tilt  
Flood 40°**

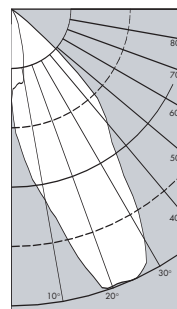
Report Number: 26576

Lamp: Q71MR16 FL40

Total Lumens: 1200

IES File: F26576.IES

## DISTRIBUTION CURVE



90: -----  
0: -----  
f26576

DEGREES	CANDELA		FOOT-LAMBERTS
	AT 0°	AT 90°	
90	0	3	
85	0	3	620
75	1	3	243
65	1	3	149
55	17	3	628
45	411	4	10551
35	737	21	
25	1163	115	
15	1049	342	
5	797	578	
0	702	702	

COEFFICIENTS OF UTILIZATION  
ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20									
RC	80			70			50		
	50	30		50	30		50	30	
RW	50	30		50	30		50	30	
0	103	103		100	100		95	95	
1	94	93		93	91		90	88	
2	88	83		85	82		82	80	
3	81	76		80	75		77	73	
4	75	69		73	68		71	68	
5	68	64		68	63		67	63	
6	64	58		64	57		61	57	
7	59	54		58	54		57	53	
8	56	50		55	50		54	50	
9	52	46		52	46		51	46	
10	48	44		48	42		47	42	

\*Readings at working plane, 2'6" above floor. Beam Angle and Diameter Cutoff at 50% of max.  
Candlepower Coefficients used at effective reflectances of: 70% Ceiling, 50% Walls, 20% Floor

Additional photometric test files are available @ [omega-lighting.com](http://omega-lighting.com)

**OMEGA**  
LIGHTING

**OMEGA LIGHTING:**  
776 South Green St., Tupelo, MS 38804  
Phone 662.842.7212 FAX 662.841.5501

**CANADIAN DIVISION:**  
189 Bullock Drive, Markham, Ontario, Canada L3P 1W4  
Phone 905.294.9570 FAX 800.268.0003