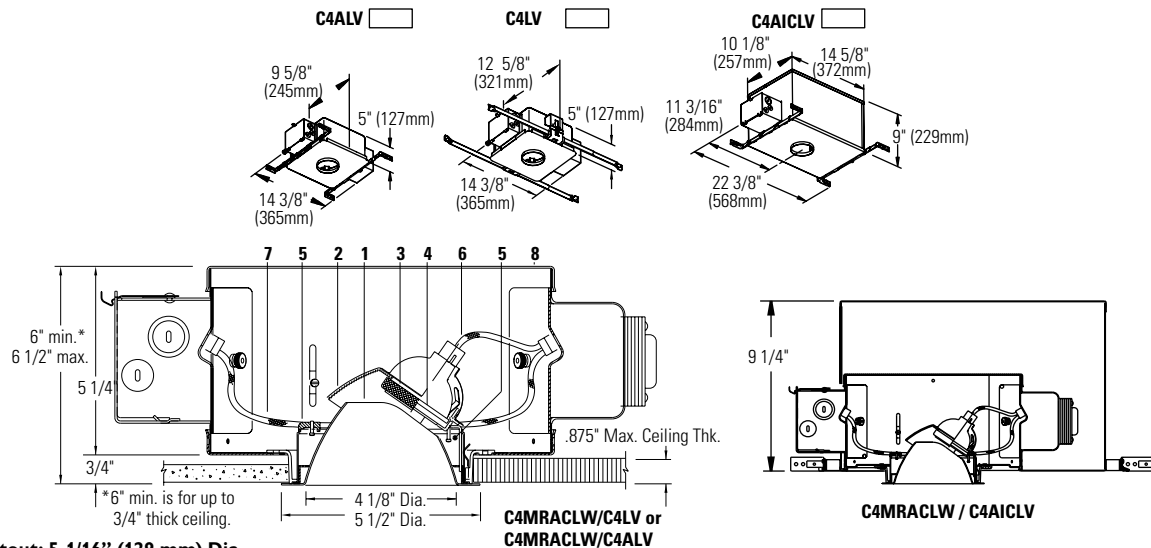


Calculite Evolution INC 4½", Adjustable Accent, MR16, Reflector Trim

Page 1 of 2

Project:	Catalog No:	Mfg:
Location:	Fixture Type:	Qty:
Notes:		Lamps:



Ceiling Cutout: 5-1/16" (129 mm) Dia.

Ordering guide

For Complete Fixture Order: Trim Kit + Frame-In Kit. Each Sold Separately. example: C4MR2WHW + C4LVE1

Reflector Trim			Frame In Kit			
Catalog Number	Finish	Flange	Non-IC	Non-IC AirSeal	IC AirSeal	Non-IC Remodeler
C4MRA Calculite Evolution INC 4-1/2", Adjustable Accent	CL Specular Clear	W White	20-50W MR16(12V)	20-50W MR16(12V)	20-50W MR16(12V)	50W Max. MR16 (12V)
	CCD Comfort Clear Diffuse	P Polished	C4LYMU Magnetic 120/277V	C4ALYMU Magnetic 120/277V	C4AICLYM1 Magnetic 120V	C4LVE1RM Electronic 120V
	CCZ Champagne Bronze		C4LVE1 Electronic 120V	C4ALVE1 Electronic 120V	C4AICLVE1 Electronic 120V	
	GD Specular Gold		C4LVE2 Electronic 277V			
	WH White (painted)					See separate specification sheet for more information.
	BK Black (painted)					

Note: Magnetic transformers may produce audible sound when used with dimmers, which may be objectionable in acoustically critical areas.

Features

- Aperture Cone:** 16 ga. aluminum. Slot cut cone opening minimizes view into fixture. Keyed to lampholder assembly for true aiming of lamp through aperture center and to prevent incorrect installation of cone. Hinged, snaps onto adjustable lampholder for easy tool-less installation. Interchangeable with other Evolution 4 1/2" low voltage trims.
- Adjustable Lampholder:** Die-cast aluminum. Built-in aperture shield blocks view into fixture. 45° vertical tilt (35° max. with remodel frame-in kit), 358° horizontal rotation; lockable. Hot aiming is possible using a phillips screwdriver. Matte black finish. Lamp shield keeps interior of fixture dark.
- Lamp Support:** Die-formed aluminum with knurled surface for easy gripping during relamping. Spring tension clips hold lamp and lens and allow fast snap-in, snap-out relamping. Matte black finish. Accepts up to two 2" dia. accessories.
- Cover Glass:** High temperature, tempered soft focus lens.
- Vertical /Horizontal Locking:** Single screw adjustment; independent locking system.
- Socket Harness:** Porcelain bi-pin socket. Pre-wired with No. 18 Teflon leads. (Teflon® is a registered trademark of E.I. DuPont.)
- Power Harness:** Provides power to transformers.
- Frame-In Kit:** Compatible frame-in kits are listed above. See separate frame-in kit specification sheets for details.
 - Non-IC and Non-IC AirSeal - Insulation must be kept 3" away from fixture sides and wiring compartments and must not be placed above fixture in a manner which will entrap heat.
 - IC-AirSeal - Fixture may be in direct contact with insulation.

Options and Accessories

Evolution 4" Trims with Non-IC Frames

C4MRA: 1 Secondary Color Lens or
1 Mixing Color Lens and 1 Specialty Filter

Evolution 4" Trims with AIC Frames

C4MRA: 1 Secondary Color Lens or
1 Mixing Color Lens or 1 Specialty Filter

Labels

UL Listed (Suitable for damp locations), I.B.E.W.

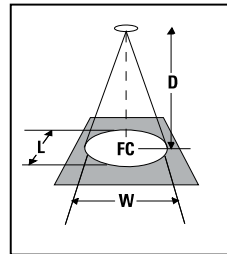
Calulite Evolution INC 4½", Adjustable Accent, MR16, Reflector Trim

Page 2 of 2

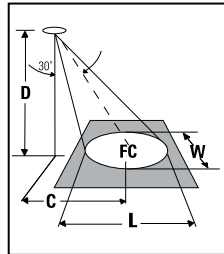
Accent Lighting Performance Data

(FC) is initial footcandles at center of beam. Beam length (L) and beam width (W) are to where the candlepower is reduced to 50% of the center beam candlepower.

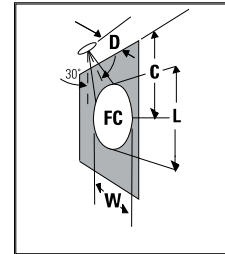
CBCP is center beam candlepower. (C) is distance to the center of the beam. Lamp data shown is typical, and is based on bare lamp photometrics. Contact lamp manufacturers for availability and performance.



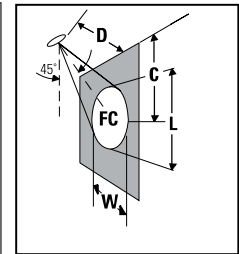
0° Aiming Angle



30° Aiming Angle



30° Aiming Angle



45° Aiming Angle

Lamps	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C	FC	L	W
MR16 Low Voltage Halogen Bi-Pin Lamps																						
 20W MR16 VNSP (EZS)	 7°	8200	3000	7' 10' 13' 16'	167 82 49 32	0.9' 1.2' 1.6' 2.0'	0.9' 1.2' 1.6' 2.0'	6' 9' 12' 15'	3.5' 5.2' 6.9' 8.7'	148 66 37 24	1.0' 1.5' 2.0' 2.3'	0.8' 1.3' 1.7' 2.1'	2' 3' 4' 5'	3.5 5.2' 6.9' 8.7'	256 114 64 41	1.0' 1.5' 2.0' 2.5'	0.5' 0.7' 1.0' 1.2'	4' 6' 8' 10'	4.0' 6.0' 8.0' 10.0'	181 81 45 29	1.0 1.5 2.0 2.5	0.7' 1.0' 1.4' 1.7'
 20W MR16 NSP (ESX)	 13°	3600	5000	6' 8' 10' 12'	100 56 36 25	1.4' 1.8' 2.3' 2.7'	1.4' 1.8' 2.3' 2.7'	5' 7' 9' 11'	2.9' 4.0' 5.2' 6.4'	94 48 29 19	1.5' 2.1' 2.7' 3.4'	1.3' 1.8' 2.4' 2.9'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	113 50 28 18	1.9' 2.8' 3.8' 4.7'	0.9' 1.4' 1.8' 2.3'	3' 5' 7' 9'	3.0 5.0 7.0 9.0	141 51 26 16	1.4 2.3 3.2 4.2	1.0' 1.6' 2.3' 2.9'
 20W MR16 FL (BAB)	 40°	525	5000	2' 4' 5'	131 58 21	1.5' 2.2' 3.6'	1.5' 2.2' 3.6'	2' 4' 5'	1.2' 1.7' 2.9'	85 38 14	2.0' 3.0' 5.1'	1.7' 2.5' 4.2'	1' 2' 4'	1.7' 3.5' 6.9'	66 16 7	4.8' 9.7' 14.5'	1.5' 2.9' 4.4'	2' 3' 5'	2.0' 3.0' 5.0'	46 21 7	3.4' 5.0' 8.4'	2.1' 3.1' 5.1'
 35W MR16 NSP (FRB)	 12°	8700	4000	7' 10' 13' 16'	178 87 51 34	1.5' 2.1' 2.7' 3.4'	1.5' 2.1' 2.7' 3.4'	6' 9' 12' 15'	3.5' 5.2' 6.9' 8.7'	157 70 39 25	1.7' 2.5' 3.4' 4.2'	1.5' 2.2' 2.9' 3.6'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	272 121 68 44	1.7' 2.6' 3.5' 4.3'	0.8' 1.3' 1.7' 2.1'	4' 6' 8' 10'	4.0' 6.0' 8.0' 10.0'	192 85 48 31	1.7 2.6 3.4 4.3	1.2' 1.8' 2.4' 3.0'
 35W MR16 SP (FRA)	 20°	3900	4000	6' 8' 10' 12'	108 61 39 27	2.1' 2.8' 3.5' 4.2'	2.1' 2.8' 3.5' 4.2'	5' 7' 9' 11'	2.9 5.2 5.2 6.4	101 52 31 21	2.4' 3.3' 4.3' 5.2'	2.0' 2.9' 3.7' 4.5'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	122 54 30 20	3.1' 4.7' 6.2' 7.8'	1.4' 2.1' 2.8' 3.5'	3' 5' 7' 9'	3.0' 5.0' 7.0' 9.0'	153 55 28 17	2.2' 3.6' 5.1' 6.6'	1.5' 2.5' 3.5' 4.5'
 35W MR16 FL (FMWV)	 40°	1600	4000	4' 6' 8' 10'	100 44 25 16	2.9' 4.4' 5.8' 7.3'	2.9' 4.4' 5.8' 7.3'	3' 5' 7' 9'	1.7' 2.9' 4.0' 5.2'	115 42 21 13	3.0' 5.1' 7.1' 9.1'	2.5' 4.2' 5.8' 7.6'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	200 50 22 13	4.8' 9.7' 14.5' 19.3'	1.5' 2.9' 4.4' 5.8'	3' 4' 5' 6'	3.0' 4.0' 5.0' 6.0'	63 35 23 16	5.0' 6.7' 8.4' 10.1'	3.1' 4.1' 5.1' 6.2'
 37W MR16 IR NSP	 10°	11500	4000	6' 12' 16' 20'	180 80 45 29	1.4' 2.1' 2.8' 3.5'	1.4' 2.1' 2.8' 3.5'	7' 10' 13' 16'	4.0' 5.8' 7.5' 9.2'	152 75 44 29	1.6' 2.3' 3.0' 3.7'	1.4' 2.0' 2.8' 3.2'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	160 90 58 40	2.1' 2.9' 3.6' 4.3'	1.0' 1.4' 1.7' 2.1'	5' 7' 9' 11'	5.0' 7.0' 9.0' 11.0'	163 83 50 34	1.8' 2.5' 3.2' 3.9'	1.2' 1.7' 2.2' 2.7'
 37W MR16 IR NFL	 25°	3500	4000	6' 8' 10' 12'	97 55 35 24	2.7' 3.5' 4.4' 5.3'	2.7' 3.5' 4.4' 5.3'	5' 7' 9' 11'	2.9' 4.0' 5.2' 6.4'	91 46 28 19	3.0' 4.2' 5.4' 6.6'	2.6' 3.6' 4.6' 5.6'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	109 49 27 18	4.2' 6.2' 8.3' 10.4'	1.8' 2.7' 3.5' 4.4'	3' 5' 7' 9'	3.0' 5.0' 7.0' 9.0'	137 47 25 15	2.8' 4.7' 6.5' 8.4'	1.9' 3.1' 4.4' 5.6'
 37W MR16 IR FL	 40°	2050	4000	4' 6' 8' 10'	128 57 32 21	2.9' 4.4' 5.8' 7.3'	2.9' 4.4' 5.8' 7.3'	3' 5' 7' 9'	1.7' 2.9' 4.0' 5.2'	148 53 27 16	3.0' 5.1' 7.1' 9.1'	2.5' 4.2' 5.9' 7.6'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	258 64 28 16	4.8' 9.7' 14.5' 19.3'	1.5' 2.9' 4.4' 5.8'	3' 5' 6'	3.0' 4.0' 5.0'	61 45 29	5.0' 6.7' 8.4'	3.1' 4.1' 5.1'
 42W MR16 VNSP (EZY)	 9°	13100	3500	8' 12' 16' 20'	205 91 51 33	1.3' 1.9' 2.5' 3.1'	1.3' 1.9' 2.5' 3.1'	7' 10' 13' 16'	4.0 5.8 7.5 9.2	174 85 50 33	1.5' 2.1' 2.7' 3.4'	1.3' 1.8' 2.4' 2.9'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	182 102 66 45	1.9' 2.6' 3.2' 3.8'	0.9' 1.3' 1.6' 1.9'	5' 7' 9' 11'	5.0' 7.0' 9.0' 11.0'	185 95 57 38	1.6' 2.2' 2.8' 3.5'	1.1' 1.6' 2.0' 2.4'
 50W MR16 NSP (EXT)	 14°	10200	4000	8' 12' 16' 20'	159 71 40 26	2.0' 2.9' 3.8' 4.9'	2.0' 2.9' 3.8' 4.9'	7' 10' 13' 15'	4.0' 5.8 7.5 9.2	135 66 39 28	2.3' 3.3' 4.3' 5.3'	2.0' 2.8' 3.7' 4.5'	3' 4' 5' 6'	5.2' 6.9' 8.7' 10.4'	142 80 51 35	3.1' 4.1' 5.1' 6.2'	1.5' 2.0' 2.5' 2.9'	5' 7' 9' 11'	5.0' 7.0' 9.0' 11.0'	144 74 45 30	2.5' 3.5' 4.5' 5.5'	1.7' 2.4' 3.1' 3.8'
 50W MR16 NFL (EXZ)	 27°	3400	6000	6' 8' 10' 12'	94 53 34 24	2.9' 3.8' 4.8' 5.8'	2.9' 3.8' 4.8' 5.8'	5' 7' 9' 11'	2.9' 4.0' 5.2' 6.4'	88 45 27 18	3.3' 4.6' 5.9' 7.2'	2.8' 3.9' 5.0' 6.1'	2' 3' 4' 5'	3.5' 5.2' 6.9' 8.7'	106 47 27 17	4.6' 7.0' 9.3' 11.6'	1.9' 2.9' 3.6' 4.8'	3' 5' 7' 9'	3.0' 5.0' 7.0' 9.0'	134 48 25 15	3.1' 5.1' 7.1' 9.2'	2.0' 3.4' 4.8' 6.1'
 50W MR16 FL (EXN)	 40°	1850	6000	4' 6' 8' 10'	116 51 29 19	2.9' 4.4' 5.8' 7.3'	2.9' 4.4' 5.8' 7.3'	3' 5' 7' 9'	1.7' 2.9 4.0 5.2	134 48 25 15	3.0' 5.1' 7.1' 9.1'	2.5' 4.2' 5.9' 7.6'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	231 58 26 14	4.8' 9.7' 14.5' 19.3'	1.5' 2.9' 4.4' 5.8'	3' 5' 6'	3.0' 4.0' 5.0'	73 41 26	5.0' 6.7' 8.4'	3.1' 4.1' 5.1'
 50W MR16 WFL (FNV)	 55°	1150	4000	3' 5' 7' 9'	128 46 23 14	3.1' 5.2' 7.3' 9.4'	3.1' 5.2' 7.3' 9.4'	3' 5' 7' 9'	1.7' 2.9 4.0 5.2	83 30 15 9	4.6' 7.6' 10.7' 13.7'	3.6' 6.0' 8.4' 10.8'	2' 3' 4' 5'	3.5' 6.9' 10.4'	144 36 16 9	22.3' 44.5' 66.8' 89.1'	2.1' 4.2' 6.2' 8.3'	2' 3' 4' 5'	2.0' 3.0' 4.0' 5.0'	102 45 25 16	5.7' 8.6' 11.4' 14.3'	2.9' 4.4' 5.9' 7.4'
 73W MR16 SP	 10°	14000	4000	8' 12' 16' 20'	219 97 55 35	1.4' 2.1' 2.8' 3.5'	1.4' 2.1' 2.8' 3.5'	7' 10' 13' 16'	4.0' 5.8 7.5 9.2	186 91 54 36	1.6' 2.3' 3.0' 3.7'	1.4' 2.0' 2.6' 3.2'	3' 4' 5' 6'	5.2' 8.9' 10.9' 14.7'	194 109 70 49	2.1' 2.9' 3.6' 4.3'	1.0' 1.4' 1.7' 2.1'	5' 7' 9' 11'	5.0' 7.0' 9.0' 11.0'	198 101 61 41	1.8' 2.5' 3.2' 3.8'	1.2' 1.7' 2.5' 2.7'
 73W MR16 FL	 36°	2500	4000	4' 6' 8' 10'	156 59 39 25	2.5' 3.8' 5.2' 6.5'	2.6' 3.8' 5.2' 6.5'	3' 5' 7' 9'	1.7' 2.9 4.0 5.2	180 65 33 20	2.7' 4.5' 6.3' 8.1'	2.3' 3.8' 5.3' 6.6'	1' 2' 3' 4'	1.7' 3.5' 5.2' 6.9'	313 78 35 20	3.8' 7.5' 11.4' 15.2'	1.3' 2.6' 3.9' 5.2'	3' 5' 6'	3.0' 4.0' 5.0'	98 55 35	4.4' 5.8' 7.3'	2.8' 3.7' 4.6'