

Ceiling Cutout: 105mm (4 1/8") Dia.

Reflector Trim	Installation Ring	Gear Harness	Lamp Data
C3MRDCCDPEXP Comfort Clear Diffuse, Polished Flange	C3XRM	C3TKEU50 C3LHAGU53 (less transformer)	MR16 12V GU5.3 QR-CB51 12V GU5.3 50W Max

### Features

- Trim Kit Aperture Cone:** Low brightness; anodized aluminum; 50° visual cut-off to lamp and lamp image. Hinged, and snaps on for easy tool-less installation. Self-flange in aperture matching polished flange.
- 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 accessories.
- Cover Glass:** High temperature, soft focus lens.
- Gear Harness:** Electronic low voltage transformer with lamp socket and wiring harness. ORDER SEPARATELY. See separate specification sheet for details. NOTE: Also available without transformer; item number C3LHAGU53.
- Installation Ring:** Cast aluminum ring is painted matte white and has two mounting springs, made from nickel plated spring steel. Unique tooth design ensures adequate bite into various building mediums with thicknesses between 12 mm and 38 mm. Installation Ring has built in Rotational Stop, made from thermally resistant injection molded plastic, allowing trim 365° of rotation. ORDER SEPARATELY. See separate Installation Ring specification sheet for more details.
- Inner Ring:** Cast aluminum; Twist-locks into place to secure reflector trim. Allows for quick tool-less installation and removal of reflector trims. Has built in screw for rotational locking. Use Allen Key provided with trim to lock fixture once in desired position, allowing for consistent re-lamping.

### Accessories

- Color Filters:** ADF2 series (see ADF2 specification sheet)
- Specialty Filters:** AF2 series (see AF2 series specification sheets)
- Louver:** AL2HC

### Certifications and Ratings



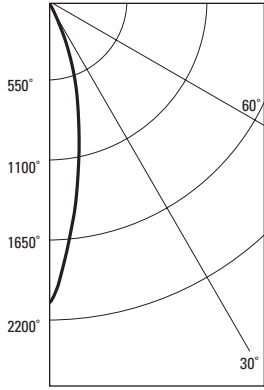
Job Information	Type:
<b>Job Name:</b>	
<b>Cat. No.:</b>	
<b>Lamp(s):</b>	
<b>Notes:</b>	

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**37W MR16 IR - 40° FLOOD** SYLVANIA HALOGEN LAMP, LUMEN RATING = 840 LMS, 120V ELECTRONIC TRANSFORMER

CL  
Reflector  
Finish

CANDLEPOWER DISTRIBUTION



ANGLE LUMENS	MEAN CP
0	2084
5	1685
10	1228
15	839
20	543
25	280
30	107
35	40
40	10
45	0
50	0
55	0
60	0
65	0
70	0
75	0
80	0
85	0
90	0

LUMINANCE SUMMARY CD. / SQ. M.	
ANGLE	MEAN CD/SQ. M.
45	0
55	0
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	543	64.75	94.30
0-40	574	68.44	99.67
0-60	576	68.67	100.00
0-90	576	68.67	100.00
40-90	1	0.23	0.33
60-90	0	0.00	0.00
90-180	0	0.00	0.00
0-180	576	68.67	100.00

Coefficients of Utilization

CEILING	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance =										
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance =										
0	.82	.82	.82	.82	.80	.80	.76	.76	.73	.73	.69
1	.80	.78	.77	.76	.77	.75	.74	.73	.72	.71	.67
2	.77	.75	.74	.72	.74	.71	.72	.70	.70	.68	.66
3	.75	.73	.71	.69	.72	.69	.70	.68	.69	.66	.65
4	.74	.71	.68	.67	.70	.66	.69	.65	.67	.65	.63
5	.72	.68	.66	.64	.68	.64	.67	.63	.66	.63	.62
6	.70	.67	.64	.63	.66	.62	.65	.62	.64	.61	.61
7	.68	.65	.62	.61	.64	.60	.64	.60	.63	.60	.59
8	.67	.63	.61	.59	.62	.59	.62	.59	.61	.58	.58
9	.65	.61	.59	.57	.61	.57	.61	.57	.60	.57	.56
10	.64	.60	.58	.56	.60	.56	.59	.56	.59	.56	.55

\*\* EFFICIENCY = 68.7% \*\*  
SC = .4

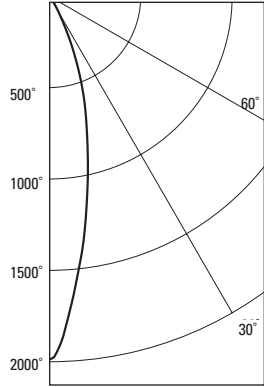
CERTIFIED TEST REPORT NO. 2741FR DATE: SEPT 24, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

LUMINAIRE INPUT WATTS = 38

**50W MR16 IR - 40° FLOOD** GE HALOGEN LAMP, LUMEN RATING = 800 LMS, 120V ELECTRONIC TRANSFORMER

CL  
Reflector  
Finish

CANDLEPOWER DISTRIBUTION



ANGLE LUMENS	MEAN CP
0	1985
5	1605
10	1170
15	799
20	518
25	266
30	102
35	38
40	9
45	0
50	0
55	0
60	0
65	0
70	0
75	0
80	0
85	0
90	0

LUMINANCE SUMMARY CD. / SQ. M.	
ANGLE	MEAN CD/SQ. M.
45	0
55	0
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	518	64.75	94.30
0-40	547	68.44	99.67
0-60	549	68.67	100.00
0-90	549	68.67	100.00
40-90	1	0.23	0.33
60-90	0	0.00	0.00
90-180	0	0.00	0.00
0-180	549	68.67	100.00

Coefficients of Utilization

CEILING	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance =										
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance =										
0	.82	.82	.82	.82	.80	.80	.76	.76	.73	.73	.69
1	.80	.78	.77	.76	.77	.75	.74	.73	.72	.71	.67
2	.77	.75	.74	.72	.74	.71	.72	.70	.70	.68	.66
3	.75	.73	.71	.69	.72	.69	.70	.68	.69	.66	.65
4	.74	.71	.68	.67	.70	.66	.69	.65	.67	.65	.63
5	.72	.68	.66	.64	.68	.64	.67	.63	.66	.63	.62
6	.70	.67	.64	.63	.66	.62	.65	.62	.64	.61	.61
7	.68	.65	.62	.61	.64	.60	.64	.60	.63	.60	.59
8	.67	.63	.61	.59	.62	.59	.62	.59	.61	.58	.58
9	.65	.61	.59	.57	.61	.57	.61	.57	.60	.57	.56
10	.64	.60	.58	.56	.60	.56	.59	.56	.59	.56	.55

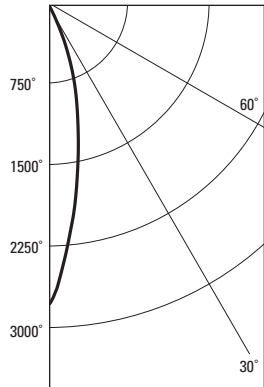
\*\* EFFICIENCY = 68.7% \*\*  
SC = .4

CERTIFIED TEST REPORT NO. 2817FR DATE: NOV 12, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

LUMINAIRE INPUT WATTS = 51

**50W MR16 IR - 40° FLOOD** SYLVANIA HALOGEN LAMP, LUMEN RATING = 1125 LMS, 120V ELECTRONIC TRANSFORMER

CANDLEPOWER DISTRIBUTION



ANGLE LUMENS	MEAN CP
0	2792
5	2258
10	1646
15	1125
20	729
25	375
30	144
35	55
40	14
45	0
50	0
55	0
60	0
65	0
70	0
75	0
80	0
85	0
90	0

LUMINANCE SUMMARY CD. / SQ. M.	
ANGLE	MEAN CD/SQ. M.
45	0
55	0
65	0
75	0
85	0

ZONAL LUMENS AND PERCENTAGES			
ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	729	64.82	94.21
0-40	771	68.56	99.65
0-60	774	68.80	100.00
0-90	774	68.80	100.00
40-90	2	0.24	0.35
60-90	0	0.00	0.00
90-180	0	0.00	0.00
0-180	774	68.80	100.00

Coefficients of Utilization

CEILING	80%				70%		50%		30%		0
	70	50	30	10	50	10	50	10	50	10	
WALL	Zonal Cavity Method - Effective Floor Cavity Reflectance =										
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance =										
0	.82	.82	.82	.82	.80	.80	.76	.76	.73	.73	.69
1	.80	.78	.77	.76	.77	.75	.74	.73	.72	.71	.67
2	.77	.75	.74	.72	.74	.71	.72	.70	.70	.68	.66
3	.75	.73	.71	.69	.72	.69	.70	.68	.69	.66	.65
4	.74	.71	.68	.67	.70	.66	.69	.65	.67	.65	.63
5	.72	.68	.66	.64	.68	.64	.67	.63	.66	.63	.62
6	.70	.67	.64	.63	.66	.62	.65	.62	.64	.61	.61
7	.68	.65	.62	.61	.64	.60	.64	.60	.63	.60	.59
8	.67	.63	.61	.59	.62	.59	.62	.59	.61	.58	.58
9	.65	.61	.59	.57	.61	.57	.61	.57	.60	.57	.56
10	.64	.60	.58	.56	.60	.56	.59	.56	.59	.56	.55

\*\* EFFICIENCY = 68.8% \*\*  
SC = .4

CERTIFIED TEST REPORT NO. 2629FR DATE: MAY 12, 2004  
COMPUTED BY LSI PROGRAM \*\*TEST-LITE\*\*

LUMINAIRE INPUT WATTS = 51

**Job Information** **Type:**

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