

**Ordering information**

QCE	2	G	OL	OP					
Quality Visual	Luminaire Width	Ceiling Type	Lamp Shield		Lamp Quantity	Lamp	Voltage	Ballast Type	Options
Recessed direct indirect soft light optical system	2'	G = Fits standard 15/16" T-grid or Slot T-grid ceilings	OL = Contoured Soft White Opal Lens		1 = 1 Lamp (FT only) 2 = 2 Lamp	24 = 24WT5HO FT = TT5 Bi-Tube	UNV 347	<b>T5/T5HO</b> PG = Electronic Linear T5/T5HO Program Start (<10% THD) <b>TT5</b> PR = 40W Electronic TT5 Programmed Rapid Start (<10% THD) BE = 50W Electronic TT5 Rapid Start (<20% THD) BF = 55W Electronic TT5 Rapid Start (<10% THD) DA = Electronic TT5, T5, T5HO, Program Start (<10% THD) Dali Digital Addressable Dimming <b>For Dimming Ballast Suffix, please consult your Lightolier Representative.</b>	F = Internal Fusing (Canada) GLR = Internal Fusing (USA) FK92X2 = Drywall Kit for plaster frames EM* = TT5/T5/T5HO Emergency Lighting System (USA) O* = TT5 Emergency Lighting System (Canada) E* = T5/T5HO Emergency Lighting System (Canada) QVS-HD = Alter Hold Down Clips (Std 15/16" only) <b>*All 2' x 2' luminaire using Emergency Lighting System are 5-1/2" deep</b>
				<b>Lamp Shield Details</b>					
				OP = One piece (no center slot) lamp shield					

**Features**

- Efficiencies up to 78.1%
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers
- Shallow design, only 3-5/8" deep for easy installation in shallow plenum
- Painted after fabrication (PAF) luminaire
- New high performance contoured lens conceals lamp image providing balance between reflected and direct light
- Enclosed and sealed lens suited to most commercial, hospital and institutional applications. Prevents light leaks. Ideal for use in high dust/germ environments (not suitable for clean room applications and other locations requiring specially approved luminaires)
- No tools required to remove lens for easy relamping and maintenance
- Fully recessed luminaire and lamp compartment
- 95% Reflective Alter soft white paint finish
- One-piece body for easy installation
- Easy access to ballast through lamp compartment
- Can be row mounted
- Fits standard 15/16" T-Grid, Slot T-Grid or drywall ceilings

**Material**

One piece chassis constructed from die formed 20 gauge cold rolled steel.  
**Reflectors** - 95% reflectance baked white acrylic matte paint finish.

**Finish**

**Chassis exterior** - phosphate undercoating, baked white acrylic matte high reflectance paint finish.

**Electrical**

Thermally protected class "P" ballast. If K.O.s are within 3" of ballast use wire suitable for at least 90C. Suitable for damp location.

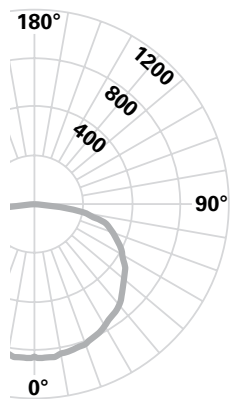
**Labels**

Listed by cCSAus.

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

## Performance

### CANDLEPOWER CURVE 224



ZONE DEG	CANDLEPOWER				
	ALONG	22.5	45	67.5	ACROSS
0	825	825	825	825	825
5	820	813	819	826	830
10	807	802	819	824	819
15	789	791	802	815	812
20	760	761	776	793	806
25	718	730	756	774	782
30	681	700	723	750	761
35	629	651	682	725	733
40	576	599	654	693	714
45	517	548	598	654	676
50	457	484	551	615	637
55	391	425	493	573	602
60	328	371	444	522	552
65	270	297	388	470	509
70	206	246	330	426	456
75	147	185	280	360	393
80	91	125	205	263	270
85	39	57	102	113	114
90	0	0	0	0	0

REPORT NO: LSCB782  
 CAT. NO: QCE2GOLP224  
 2 24W T5HO Fluorescent Lamps at 1760 lumens.  
 Efficiency: 78.1%  
 Candela at Nadir: 825cd

### COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD \* EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

Room Cavity Ratio	Wall Reflectance											
	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	.93	.93	.93	.93	.91	.91	.91	.91	.87	.87	.87	
1	.85	.81	.77	.74	.82	.79	.76	.73	.75	.73	.70	
2	.76	.70	.64	.60	.75	.68	.63	.59	.65	.61	.57	
3	.70	.61	.55	.49	.68	.60	.54	.49	.58	.52	.48	
4	.64	.54	.47	.42	.62	.53	.47	.41	.51	.45	.41	
5	.58	.48	.40	.35	.56	.47	.40	.35	.45	.39	.34	
6	.53	.42	.35	.30	.52	.42	.35	.30	.40	.34	.29	
7	.49	.38	.31	.26	.48	.37	.31	.26	.36	.30	.26	
8	.45	.34	.27	.22	.44	.33	.27	.22	.32	.26	.22	
9	.42	.31	.24	.19	.40	.30	.24	.19	.29	.23	.19	
10	.38	.28	.21	.17	.38	.27	.21	.17	.26	.21	.17	

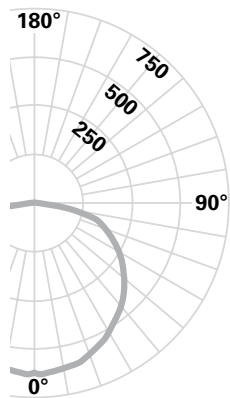
DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 45.4

### DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	651	18.50	23.67
0-40	1079	30.68	39.25
0-60	1985	56.42	72.20
0-90	2750	78.15	100.00
40-90	1671	47.47	60.75
60-90	764	21.73	27.80
90-180	0	.00	.00
0-180	2750	78.15	100.00

## Performance

### CANDLEPOWER CURVE 1FT



ZONE DEG	CANDLEPOWER				
	ALONG	22.5	45	67.5	ACROSS
0	686	686	686	686	686
5	682	678	681	687	687
10	674	672	676	679	681
15	659	659	664	671	671
20	642	640	647	652	652
25	614	615	621	630	633
30	583	583	592	602	604
35	546	549	559	574	575
40	506	506	522	541	548
45	454	460	481	504	516
50	399	410	435	465	478
55	342	352	389	424	437
60	281	296	342	380	397
65	221	238	290	338	355
70	160	185	239	293	313
75	107	133	187	241	263
80	60	81	128	154	158
85	20	33	49	63	63
90	0	0	0	0	0

REPORT NO: LSCB597  
 CAT. NO: QCE2GOLP1FTUNV  
 1 40W TT5 Compact Fluorescent Lamps at 3150 lumens.  
 Efficiency: 68.0%  
 Candela at Nadir: 686cd

### COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD \* EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

Room Cavity Ratio	Wall Reflectance											
	80				70				50			
	70	50	30	10	70	50	30	10	50	30	10	
0	.81	.81	.81	.81	.79	.79	.79	.79	.76	.76	.76	
1	.74	.71	.68	.65	.72	.69	.67	.64	.66	.64	.62	
2	.67	.62	.57	.53	.66	.61	.56	.53	.58	.55	.52	
3	.61	.54	.49	.44	.60	.53	.48	.44	.51	.47	.43	
4	.57	.49	.43	.38	.55	.48	.42	.38	.46	.41	.37	
5	.52	.43	.37	.33	.50	.42	.37	.32	.41	.36	.32	
6	.48	.39	.33	.28	.46	.38	.32	.28	.37	.32	.28	
7	.44	.34	.29	.24	.43	.34	.28	.24	.33	.28	.24	
8	.41	.31	.25	.21	.40	.31	.25	.21	.30	.25	.21	
9	.38	.28	.23	.19	.37	.28	.23	.19	.27	.22	.19	
10	.35	.26	.20	.17	.34	.25	.20	.17	.25	.20	.16	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 34.5

### DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	539	17.13	25.19
0-40	889	28.25	41.53
0-60	1608	51.08	75.11
0-90	2142	68.00	100.00
40-90	1252	39.76	58.47
60-90	533	16.93	24.89
90-180	0	.00	.00
0-180	2142	68.00	100.00

<b>Job Information</b>	<b>Type:</b>
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