

Ordering information

QCE	2	G	PF						
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	PF = Micro-perforated		2 = 2 Lamp 3 = 3 Lamp▲	28 = 28WT5 54 = 54WT5HO	UNV 347	T5/T5HO PG = Electronic Linear T5/T5HO Program Start (<10% THD) DA = Electronic T5, T5HO Program Start (<10% THD) Dali Digital Addressable Dimming VY = 2 lamp 28W T5 Electronic Step-Dim Programmed Rapid Start (B.F.=0.95/0.35)	F = Internal Fusing (Canada) GLR = Internal Fusing (USA) FK92X4 = Drywall Kit for plaster frames EM* = T5/T5HO Emergency Lighting System (USA) E* = T5/T5HO Emergency Lighting System (Canada) QVS-HD = Alter Hold Down Clips (Std 15/16" only) QVS24DG = 2' x 4' Dust and Germ Guard
				Lamp Shield Details					
				OS = Open slot (no acrylic) lamp shield					
				OP = One piece (no center slot) lamp shield					

▲3-lamp combination only available with one piece lamp shield

Features

- Efficiencies up to 71.8%
- 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 Solid-Edge swing-down microperforated lamp shield for easy relamping and maintenance
- Alter soft white film on inside of mesh conceals lamp image providing balance between reflected and direct light
- 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. Soft white acrylic film on inside of lamp shield conceals lamp image.

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.

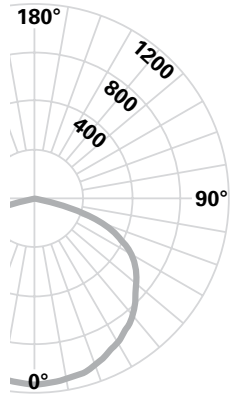
Labels

Listed by cCSAus.

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

Performance

CANDLEPOWER CURVE 228



ZONE DEG	CANDLEPOWER				
	ALONG	22.5	45	67.5	ACROSS
0	1163	1163	1163	1163	1163
5	1156	1165	1158	1157	1153
10	1142	1147	1150	1145	1146
15	1116	1120	1127	1128	1132
20	1077	1084	1097	1100	1105
25	1032	1041	1054	1070	1074
30	973	995	1008	1027	1042
35	910	925	952	983	998
40	834	854	891	939	951
45	743	771	826	870	892
50	643	676	750	805	833
55	545	585	674	744	776
60	441	495	598	673	704
65	344	407	514	573	589
70	254	326	418	445	444
75	168	244	294	256	242
80	100	152	118	103	107
85	34	38	29	30	30
90	0	0	0	0	0

REPORT NO: LSCD076
 CAT. NO: QCE2GPFOS228
 2 28W T5 Fluorescent Lamps at 2600 lumens.
 Efficiency: 67.9%
 Candela at Nadir: 1163cd

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	.75	.75	.75	
1	.74	.71	.69	.66	.73	.70	.67	.65	.67	.65	.63	
2	.68	.62	.58	.54	.66	.61	.57	.54	.59	.55	.52	
3	.62	.55	.50	.46	.60	.54	.49	.45	.52	.48	.44	
4	.57	.49	.43	.39	.55	.48	.43	.38	.46	.41	.38	
5	.52	.43	.37	.32	.50	.42	.36	.32	.41	.36	.32	
6	.48	.38	.32	.28	.46	.38	.32	.28	.36	.31	.27	
7	.44	.34	.28	.24	.43	.34	.28	.24	.33	.28	.24	
8	.40	.31	.25	.21	.39	.30	.25	.21	.29	.24	.21	
9	.37	.28	.22	.18	.36	.27	.22	.18	.26	.21	.18	
10	.34	.25	.19	.16	.33	.25	.19	.16	.24	.19	.16	

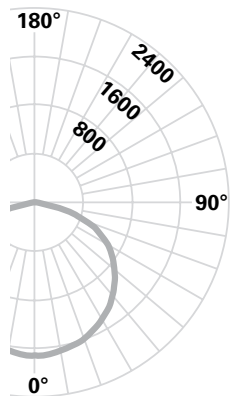
DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 65.0

DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	914	17.59	25.92
0-40	1511	29.06	42.82
0-60	2737	52.64	77.56
0-90	3529	67.87	100.00
40-90	2017	38.81	57.18
60-90	791	15.23	22.44
90-180	0	.00	.00
0-180	3529	67.87	100.0

Performance

CANDLEPOWER CURVE 328



ZONE DEG	CANDLEPOWER				
	ALONG	22.5	45	67.5	ACROSS
0	1904	1904	1904	1904	1904
5	1900	1896	1894	1896	1891
10	1867	1872	1879	1872	1867
15	1821	1834	1839	1840	1839
20	1760	1769	1783	1792	1795
25	1681	1695	1718	1735	1738
30	1596	1604	1646	1667	1674
35	1473	1504	1547	1587	1597
40	1344	1381	1445	1494	1507
45	1198	1244	1325	1380	1404
50	1038	1095	1194	1260	1293
55	873	941	1059	1147	1171
60	698	784	930	1014	1046
65	533	639	780	867	874
70	386	501	630	671	658
75	259	365	437	401	362
80	147	231	185	164	168
85	47	62	49	60	58
90	0	0	0	0	0

REPORT NO: LSCD077
 CAT. NO: QCE2GPFOP328
 3 28W T5 Fluorescent Lamps at 2600 lumens.
 Efficiency: 71.8%
 Candela at Nadir: 1904cd

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	.86	.86	.86	.86	.84	.84	.84	.84	.80	.80	.80	
1	.79	.76	.73	.70	.77	.74	.71	.69	.71	.69	.67	
2	.72	.66	.62	.58	.70	.65	.61	.57	.62	.59	.56	
3	.66	.59	.53	.49	.64	.57	.52	.48	.55	.51	.47	
4	.60	.52	.46	.41	.59	.51	.46	.41	.49	.44	.40	
5	.55	.46	.39	.35	.53	.45	.39	.35	.43	.38	.34	
6	.51	.41	.35	.30	.49	.40	.34	.30	.39	.34	.30	
7	.46	.37	.31	.26	.45	.36	.30	.26	.35	.30	.26	
8	.43	.33	.27	.23	.42	.32	.27	.22	.31	.26	.22	
9	.39	.30	.24	.19	.38	.29	.23	.19	.28	.23	.19	
10	.37	.27	.21	.17	.36	.26	.21	.17	.26	.21	.17	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 96.2

DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1489	19.10	26.58
0-40	2452	31.44	43.77
0-60	4393	56.33	78.40
0-90	5603	71.84	100.00
40-90	3150	40.40	56.23
60-90	1210	15.52	21.60
90-180	0	.00	.00
0-180	5603	71.84	100.00

Job Information	Type:
------------------------	--------------

Lightolier 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.
 © 2008 Philips Group • QCE2x4PFOS.pdf

Canlyte www.canlyte.com
 3015 Louis-Amos, Lachine, Québec H8T 1C4 • (514) 636-0670 • (514) 636-0460