

Ordering information

QCH	2	G	PF						
Quality Visual	Luminaire Width	Ceiling Type	Lamp Shield		Lamp Quantity	Lamp	Voltage	Ballast Type	Options
Semi-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) For Dimming Ballast Suffix, please consult your Lightolier Representative.	F = Internal Fusing (Canada) GLR = Internal Fusing (USA) FK92X4 = Drywall Kit for plaster frames EM* = TT5/T5/T5HO Emergency Lighting System (USA) E* = T5/T5HO Emergency Lighting System (Canada) QVS-HD = Alter Hold Down Clips (Std 15/16" only) *2x4 versions with double- switching are 5-1/4" deep while regular 2x4 versions (1 ballast) are 3-5/8" deep.
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 77.5%
- 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.

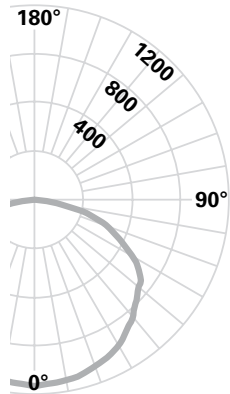
Labels

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	1172	1172	1172	1172	1172
5	1171	1171	1172	1168	1162
10	1152	1161	1160	1153	1156
15	1125	1137	1139	1138	1137
20	1095	1102	1105	1117	1116
25	1050	1056	1066	1081	1094
30	991	1007	1028	1045	1061
35	929	941	976	1000	1008
40	851	870	918	953	967
45	765	801	845	887	906
50	671	709	776	834	856
55	581	628	695	784	812
60	478	537	632	706	718
65	379	446	555	593	599
70	286	359	450	478	495
75	193	274	333	354	358
80	116	182	198	174	161
85	44	64	43	55	71
90	0	0	7	16	21

REPORT NO: LSCD079
 CAT. NO: QCH2GPFOS228
 2 28W T5 Fluorescent Lamps at 2600 lumens.
 Efficiency: 71.4%
 Candela at Nadir: 1172cd

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	.85	.85	.85	.85	.83	.83	.83	.83	.79	.79	.79	
1	.78	.75	.72	.69	.76	.73	.70	.68	.70	.68	.66	
2	.71	.65	.60	.56	.69	.64	.59	.55	.61	.57	.54	
3	.65	.57	.51	.47	.63	.56	.51	.46	.54	.49	.46	
4	.59	.51	.44	.40	.58	.50	.44	.39	.48	.43	.39	
5	.54	.45	.38	.33	.52	.44	.37	.33	.42	.37	.33	
6	.49	.40	.33	.29	.48	.39	.33	.28	.38	.32	.28	
7	.45	.36	.29	.25	.44	.35	.29	.25	.34	.28	.24	
8	.42	.32	.26	.21	.41	.31	.25	.21	.30	.25	.21	
9	.39	.29	.22	.18	.37	.28	.22	.18	.27	.22	.18	
10	.36	.26	.20	.16	.35	.26	.20	.16	.25	.20	.16	

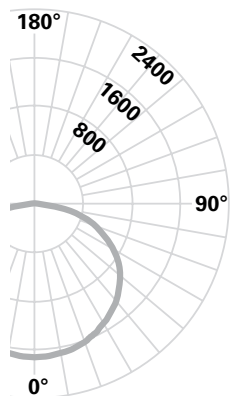
DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 67.5

DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	925	17.80	24.92
0-40	1533	29.49	41.28
0-60	2807	53.98	75.57
0-90	3714	71.43	100.00
40-90	2181	41.94	58.72
60-90	907	17.45	24.43
90-180	0	.00	.00
0-180	3714	71.43	100.00

Performance

CANDLEPOWER CURVE 328



ZONE DEG	CANDLEPOWER				
	ALONG	22.5	45	67.5	ACROSS
0	1925	1925	1925	1925	1925
5	1921	1921	1920	1917	1917
10	1897	1903	1906	1902	1896
15	1848	1872	1868	1876	1875
20	1790	1808	1817	1831	1839
25	1723	1737	1752	1774	1790
30	1623	1649	1689	1716	1729
35	1514	1548	1594	1641	1658
40	1386	1426	1503	1560	1588
45	1247	1298	1387	1463	1494
50	1096	1156	1267	1358	1391
55	920	1003	1145	1249	1281
60	752	864	1011	1099	1131
65	592	709	864	953	971
70	439	570	702	779	802
75	300	431	528	594	601
80	177	275	336	323	304
85	68	101	76	102	110
90	0	0	15	33	38

REPORT NO: LSCD078
 CAT. NO: QCH2GPFOP328
 3 28W T5 Fluorescent Lamps at 2600 lumens.
 Efficiency: 77.5%
 Candela at Nadir: 1925cd

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	.92	.92	.92	.92	.90	.90	.90	.90	.86	.86	.86	
1	.84	.81	.78	.75	.82	.79	.76	.73	.76	.73	.71	
2	.77	.71	.65	.61	.75	.69	.64	.60	.66	.62	.59	
3	.70	.62	.56	.51	.68	.61	.55	.51	.59	.54	.50	
4	.64	.55	.48	.43	.63	.54	.48	.43	.52	.46	.42	
5	.59	.48	.41	.36	.57	.48	.41	.36	.46	.40	.36	
6	.54	.43	.36	.31	.52	.42	.36	.31	.41	.35	.31	
7	.49	.39	.32	.27	.48	.38	.32	.27	.37	.31	.27	
8	.45	.35	.28	.23	.44	.34	.28	.23	.33	.27	.23	
9	.42	.31	.25	.20	.41	.31	.24	.20	.30	.24	.20	
10	.39	.28	.22	.18	.38	.28	.22	.18	.27	.21	.18	

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 99.4

DISTRIBUTION

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	1520	19.49	25.16
0-40	2515	32.25	41.62
0-60	4581	58.74	75.82
0-90	6042	77.47	100.00
40-90	3527	45.22	58.38
60-90	1461	18.73	24.18
90-180	0	.00	.00
0-180	6042	77.47	100.00

Job Information	Type:
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