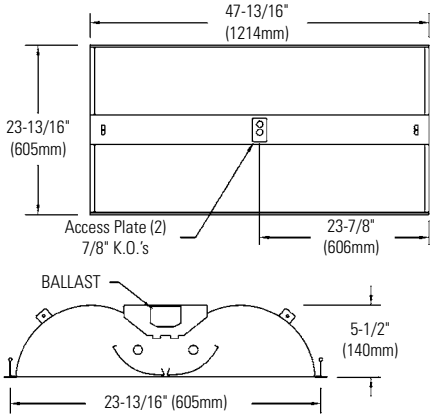
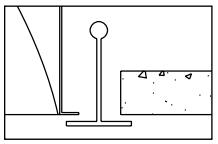
Alter **Classic** QVS 2 x 4

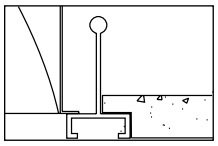
2' x 4' recessed direct/indirect fluorescent



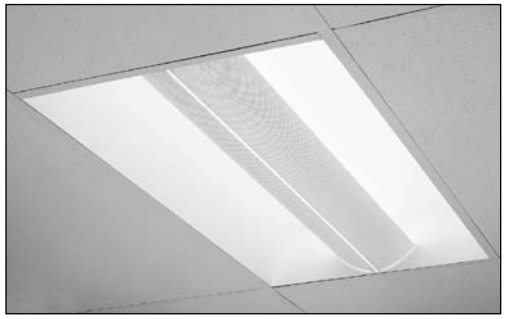
Ceiling compatibility



Suited to standard exposed T-grid ceilings



Suited to standard exposed Slot T-grid ceilings



Ordering information

QVS	2	G								
Quality Visual Static	**Luminaire Width**	**Ceiling Type**	**Lamp Shield**	**Clear Polished Acrylic Drop Down Visual Element**	**Lamp Quantity**	**Lamp**	**Voltage**	**Ballast Type**	**Options**	
Recessed direct indirect soft light optical system	2'	G = Standard exposed T-grid ceilings	PF = Micro-perforated SD = Solid	OS = Open slot (no acrylic) lamp shield OP = One piece (no center slot) lamp shield GC = Clear acrylic GG = Clear acrylic / Green projected color face GB = Clear acrylic / Blue projected color face GR = Clear acrylic / Red projected color face	2 = 2 Lamp 3 = 3 Lamp 4 = 4 Lamp (FT only)	28 = 28WT5 54 = 54WT5HO 32 = 32WT8 FT = TT5 Bi-Tube	UNV 120 277 347	**T5/T5HO** PG = Electronic Linear T5/T5HO Program Start (<10% THD) **T8** SO = Electronic T8 Instant Start (<20% THD) RO = Electronic T8 Rapid Start (<10% THD) HI = Electronic T8 Instant Start (<10% THD) O3 = 3 Lamp Electronic T8 Instant Start (<20% THD) H3 = 3 Lamp Electronic T8 Instant Start (<10% THD) **TT5** SB = 40W Electronic TT5 Instant Start or Rapid Start (<20% THD) BE = 50W Electronic TT5 Rapid Start (<20% THD) BF = 55W Electronic TT5 Rapid Start (<10% THD) **For Dimming Ballast Suffix, please consult your Lightolier Representative.**	F = Internal Fusing (Canada) GLR = Internal Fusing (USA) FK92X4 = Drywall Kit for plaster frames EM = T8/TT5/T5/T5HO Emergency Lighting System (USA) O = T8/TT5 Emergency Lighting System (Canada) E = T5/T5HO Emergency Lighting System (Canada) QVS-HD = Alter Hold Down Clips (Std 15/16" only) QVS24DG = 2'x4' Dust and Germ Guard

Features

- Efficiency 54.5%
- Seamless welded form: curved top and side reflectors are formed together without any gaps or visual barriers
- 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
- Solid lampshield lined with specular interior reflector
- One piece body for easy installation
- Easy access to ballast through lamp compartment
- Fits standard T-Grid or drywall ceilings
- Optional acrylic drop-down visual element

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.Os are within 3" of ballast use wire suitable for at least 90C. Suitable for damp location.

Labels

Listed by CSA, UL.

Job Information **Type:**

Job Name:

Cat. No.:

Lamp(s):

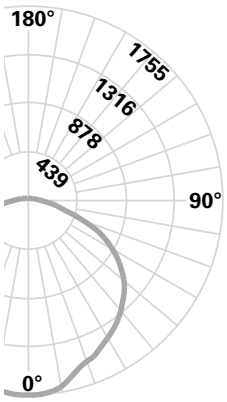
Notes:

Lightolier www.lightolier.com
631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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

Performance

CANDLEPOWER CURVE 332



REPORT NO: LSC7366
CAT. NO: QVS2GPFOS33212003
3 32W T8 Fluorescent Lamps at 3000 lumens.
Efficiency: 54.5%
Candela at Nadir: 1751cd

CANDLEPOWER

ZONE DEG →	ALONG	22.5	45	67.5	ACROSS
0	1751	1751	1751	1751	1751
5	1747	1750	1750	1744	1746
10	1721	1730	1722	1707	1708
15	1683	1684	1679	1627	1614
20	1619	1626	1575	1552	1547
25	1548	1547	1484	1495	1497
30	1463	1441	1417	1426	1432
35	1362	1332	1332	1361	1373
40	1255	1213	1243	1286	1297
45	1125	1088	1144	1197	1219
50	993	969	1038	1094	1122
55	856	848	928	984	998
60	716	717	808	851	859
65	572	588	660	679	689
70	445	461	509	484	454
75	305	333	310	267	276
80	176	188	142	162	153
85	61	41	60	51	53
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD * EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

	Wall Reflectance 80				70				50		
Room Cavity Ratio	70	50	30	10	70	50	30	10	50	30	10
0	.65	.65	.65	.65	.63	.63	.63	.63	.61	.61	.61
1	.60	.57	.55	.53	.58	.56	.54	.52	.54	.52	.51
2	.55	.50	.47	.44	.53	.49	.46	.44	.47	.45	.42
3	.50	.45	.40	.37	.49	.44	.40	.37	.42	.39	.36
4	.46	.40	.35	.32	.45	.39	.35	.31	.38	.34	.31
5	.42	.35	.30	.27	.41	.34	.30	.26	.33	.29	.26
6	.39	.31	.26	.23	.37	.31	.26	.23	.30	.26	.23
7	.35	.28	.23	.20	.35	.28	.23	.20	.27	.23	.20
8	.33	.25	.21	.17	.32	.25	.20	.17	.24	.20	.17
9	.30	.23	.18	.15	.29	.22	.18	.15	.22	.18	.15
10	.28	.21	.16	.13	.27	.20	.16	.13	.20	.16	.13

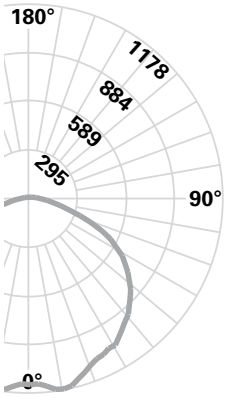
DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 88.3

DISTRIBUTION

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1331	14.80	27.16
0-40	2173	24.15	44.33
0-60	3879	43.11	79.14
0-90	4902	54.47	100.00
40-90	2729	30.33	55.67
60-90	1022	11.36	20.86
90-180	0	0	0
0-180	4902	54.47	100

Performance

CANDLEPOWER CURVE 232



REPORT NO: LSC7090
CAT. NO: QVS2GPFOS232120SO
2 32W T8 Fluorescent Lamps at 3000 lumens.
Efficiency: 56.9%
Candela at Nadir: 1135cd

CANDLEPOWER

ZONE DEG →	ALONG	22.5	45	67.5	ACROSS
0	1135	1135	1135	1135	1135
5	1135	1142	1141	1146	1148
10	1113	1132	1169	1171	1178
15	1098	1127	1152	1138	1136
20	1050	1106	1101	1091	1080
25	1005	1066	1042	1044	1050
30	949	1011	983	1011	1033
35	891	929	939	979	973
40	820	851	897	911	924
45	738	770	824	844	858
50	660	689	740	773	784
55	567	600	658	694	703
60	470	519	570	597	597
65	383	423	467	477	479
70	293	339	361	336	316
75	204	243	215	178	181
80	121	138	101	96	105
85	49	34	30	28	35
90	0	0	0	0	0

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD * EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

	Wall Reflectance 80				70				50		
Room Cavity Ratio	70	50	30	10	70	50	30	10	50	30	10
0	.68	.68	.68	.68	.66	.66	.66	.66	.63	.63	.63
1	.62	.60	.58	.56	.61	.59	.57	.55	.56	.54	.53
2	.57	.53	.49	.46	.56	.52	.48	.45	.50	.47	.44
3	.52	.46	.42	.39	.51	.46	.42	.38	.44	.41	.38
4	.48	.41	.37	.33	.47	.41	.36	.33	.39	.35	.32
5	.44	.37	.31	.28	.42	.36	.31	.28	.35	.30	.27
6	.40	.33	.28	.24	.39	.32	.27	.24	.31	.27	.24
7	.37	.29	.24	.21	.36	.29	.24	.21	.28	.24	.21
8	.34	.26	.21	.18	.33	.26	.21	.18	.25	.21	.18
9	.31	.24	.19	.15	.30	.23	.19	.15	.22	.18	.15
10	.29	.21	.17	.14	.28	.21	.17	.14	.20	.16	.14

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 75.3

DISTRIBUTION

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	912	15.20	26.74
0-40	1502	25.04	44.04
0-60	2701	45.02	79.19
0-90	3411	56.85	100.00
40-90	1908	31.81	55.96
60-90	709	11.83	20.81
90-180	0	0	0
0-180	3411	56.85	100

Job Information **Type:**

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