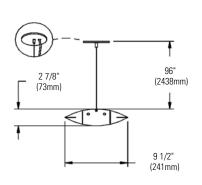


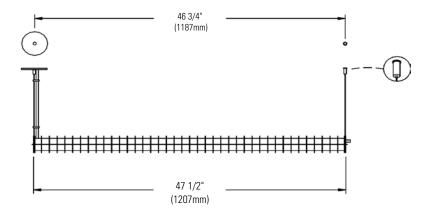
Spectral Architectural Lighting **SL105A**

Page 1 of 2

Struktura Optik Adjustable Forms 2-28W/54W T5







Ordering Guide (complete unit only)

Cat. No.	Lamp (linear)	Volt	Finish	
SL105APIU	2-28W T5	120/277V	Textured Light Grey	
SL105API3	2-28W T5	347V	Textured Light Grey	
SL105BPIU	2-54W T5 High Output	120/277V	Textured Light Grey	
SL105BPI3	2-54W T5 High Output	347V	Textured Light Grey	

Features

- Adjustable Optics: Optical system adjusts on site for direct, direct/indirect
 and indirect light distributions. Two adjustable knobs to rotate the optical
 elements surrounding the T5 light source change the light distribution on
 site
- 2. Luminous Shielding: Spectral Silver painted contoured flat blades surround the light source for a totally luminous lighting element. The optic system is designed to have a good appearance no matter what light distribution is
- Optic ribs: The Struktura Optik form is fabricated from precise metal ribs fitted on a central optic system. The ribs are held in place by precise tolerance and bonding technology.
- **4. Hardware:** Exposed hardware adds high design element to the form.
- Slim Profile: Slim T5 luminaire design profile with matching contoured forms
- Suspension: Two 3/64" (1.2mm) steel cables with glider adjusting hardware for leveling.

Mounting

Canopy: Single steel cable Canopy suitable for mounting on standard octagonal box for plaster ceiling, exposed ceiling or T-Bar ceiling mounts.

Adjustable Steel Cable: Steel cable adjusts for height leveling using glider locking adjustable steel cable devices.

Mounting Height: Luminaire comes standard with 8' (2.4 meters) of mounting steel cables and electrical wires.

Luminaire Weight: 9 lbs.

Electrical

Ballast: Electronic Program Rapid Start slim profile 2-lamp T5 linear ballast. Universal voltage "U" ballasts automatically detect 120 volts or 277 volts operation.

Lampholder: G5 AirPass Rotor base, miniature Bi-pin.

Cord: Lightolier cords 300 volts for 120/277 volts operation or 600 volts for 120/277/347 volts operation. 18AWG AWM leads, 10 Amps maximum. White color.

Wiring: Luminaires come prewired. No need to open luminaire for wiring.

Options and Accessories

Dimming: Full range of analog or digital T5 dimming ballast option. Use Lightolier fluorescent ballast designations.*

Emergency: Bodine emergency battery pack. The emergency ballast senses the power failure and immediately switches to the emergency mode illuminate one lamp at a reduced lumen output for a minimum 90 min. The battery fully recharges within 24 hours. Add code (-EM).

Fuse: 2 Amps internal fusing.*

Add code (-F1) for 120 volts, (-F2) for 277 volts or (-F3) for 347 volts.

DALI Interface: Digital Addressable Lighting Interface available upon request for individual luminaire addressable control.*

Radio Interference Filter: Inductive capacitor circuit designed interference from line radiation or feedback. Add code (-RFI).

Spiral Cord: 6FT max. 18/3 AWM leads, 10 Amps maximum. Black color.*

Finish

All painted parts are with powder coat paint process.

Labels

UL "c/us" Listed. Suitable for damp locations.

* Consult your Lightolier representative for more information.

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

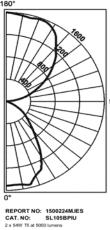
Lightolier a Genlyte company www.lightolier.com 631 Airport Road, Fall River, MA 02720 ◆ (508) 679-8131 ◆ Fax (508) 674-4710 We reserve the right to change details of design, materials and finish. © 2005 Genlyte Group LLC ◆ 80605



Spectral Architectural Lighting **SL105A**

Page 2 of 2

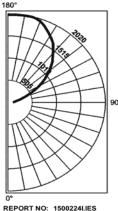
Struktura Optik Adjustable Forms 2-28W/54W T5



		(CAND	LEP	OWE	2
	ZONE → DEG	0	22,5	45	67,5	90
	0	1520	1520	1520	1520	1520
	5	1508	1501	1430	1442	1460
	10	1515	1509	1406	1333	1354
	15 20	1548 1519	1491 1396	1344	1223	1226
	25		1210	1170		
	30	1353	1030	979	1010	942 790
90	35	894	811	802	727	649
	40	692	612	613	563	500
	45	550	468	432	392	339
	50	430	351	287	226	184
	55	337	253	184	138	136
	60	226	164	108	104	105
	65	131	89	71	72	77
	70	83	54	48	51	56
	75	69	35	32	32	33
	80	58	19	17	19	19
	85	39	0	1	6	5
	90	8	0	0	1	0
	95	67	75	88	83	68
	100	205	230	195	194	180
	105	338	350	339	331	294
	110	451	477	471	490	440
	115	581	610	611	626	546
	120	723	747	763	770	652
	125	869	887	910	921	733
	130	1006	1026	1054	1025	795
	135	1152	1159	1171	1127	850
	140	1268	1307	1311	1203	891
	145	1418	1420	1389	1235	911
	150	1514	1501	1461	1260	959
	155	1567	1530	1466	1204	1038
	160	1572	1529	1466	1173	973
	165	1548	1532	1436	1223	1024
	170	1565	1555	1491	1349	1216
	175	1583	1577	1545	1474	1408
	180	1600	1600	1600	1600	1600

	COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD SEPECTIVE FLOOR CAVITY REFLECTANCE = .20																		
		80 70									50			30			10		0
									Wall	Reflectance									
		70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
	0	.71	.71	.71	.71	.63	.63	.63	.63	.50	.50	.50	.38	.38	.38	.27	.27	.27	.22
	1	.65	.62	.60	.58	.58	.56	.54	.52	.45	.44	.42	.34	.34	.33	.24	.24	.24	.20
0	2	.60	.55	.51	.48	.54	.50	.47	.44	.40	.38	.36	.31	.30	.28	.21	.21	.21	.17
ROOM CAVITY RATIO	3	.55	.49	.45	.41	.49	.44	.41	.38	.36	.33	.31	.28	.26	.25	.18	.18	.18	.16
Ξ	4	.50	.44	.39	.35	.45	.40	.36	.32	.32	.29	.27	.25	.23	.22	.16	.16	.16	.14
8	5	.47	.39	.34	.31	.42	.36	.31	.28	.29	.26	.24	.23	.21	.19	.15	.15	.15	.13
ĕ	6	.43	.35	.30	.27	.39	.32	.28	.25	.27	.23	.21	.21	.19	.17	.13	.13	.13	.12
õ	7	.40	.32	.27	.24	.36	.29	.25	.22	.24	.21	.19	.19	.17	.16	.12	.12	.12	.11
	8	.37	.29	.24	.21	.33	.27	.23	.20	.22	.19	.17	.18	.16	.14	.11	.11	.11	10
	9	.35	.27	.22	.19	.31	.25	.20	.18	.20	.17	.15	.17	.14	.13	.10	.10	.10	.09
	10	.32	.25	.20	.17	.29	.23	.19	.16	.19	.16	.14	.15	.13	.12	.09	.09	.09	.08
			D	ETER	MINE) IN A				NPUT					ED PR	OCED	URES	3	

	DISTR	IBUTION		
	Zone	Lumens	% Lamp	% Luminaire
0	0-30	1033	10	15
	0-40	1515	15	22
10 0	0-60	2031	20	30
.27 .22	0-90	2170	22	32
.24 .20	90-120	1051	11	15
.21 .17	90-150	3492	35	51
.18 .16	90-180	4663	47	68
.16 .14	0-180	6833	68	100
.15 .13				
.13 .12				
.11 10				
.10 .09				
.09 .08				



REPORT NO: CAT. NO:	15002241.IE SL105BPIU
2 x 54W T5 at 500	0 lumens
UPPER OPTIC	
Efficiency: 57%	

CANDLEPOWER														
ZONE -) DEG	• 0	22,5	45	67,5	90									
90	109	2	0	0	1									
95	131	65	57	62	87									
100	190	161	142	186	241									
105	276	273	281	366	405									
110	392	404	454	566	619									
115	558	589	652	738	776									
120	751	773	851	908	937									
125	941	961	1046	1092	1071									
130	1119	1135	1218	1223	1170									
135	1305	1323	1375	1401	1269									
140	1457	1492	1535	1548	1341									
145	1637	1649	1651	1654	1378									
150	1752	1754	1791	1758	1460									
155	1863	1849	1891	1758	1578									
160	1962	1955	1974	1759	1490									
165	2011	2026	1917	1771	1409									
170	2008	2017	1945	1847	1606									
175	2004	2009	1972	1924	1803									
180	2000	2000	2000	2000	2000									

			COE	EFF	ICIE	ENT	DISTR	DISTRIBUTION								
ZONAL CAVITY METHOD DEFFECTIVE FLOOR CAVITY REFLECTANCE = .20														Lumens	% Lamp	%
	80 70 50													26	0	
					W	Wall Reflectance							0-40	42	0	
	_					0-60	67	1								
	0	.54	.54	.54	.54	.47	.47	.47	.47	.32	.32	.32	0-90	99	1	
	1	.49	.47	.45	.43	.42	.40	.39	.37	.28	.27	.26	90-120	1071	11	
0	2	.45	.41	.38	.35	.38	.35	.33	.30	.24	.23	.21				
Æ	3	.41	.36	.32	.29	.35	.31	.28	.25	.21	.19	.18	90-150	4016	40	
Ξ	4	.37	.32	.28	.24	.32	.27	.24	.21	.19	.17	.15	90-180	5562	56	
Ş.	5	.34	.28	.24	.21	.29	.24	.21	.18	.17	.15	.13	0-180	5661	57	
ROOM CAVITY RATIO	6	.31	.25	.21	.18	.27	.21	.18	.15	.15	.13	.11				
Ş	7	.29	.22	.18	.15	.24	.19	.16	.13	.13	.11	.10				
	8	.26	.20	.16	.13	.23	.17	.14	.12	.12	.10	.08				
	9	.24	.18	.14	.12	.21	.16	.12	.10	.11	.09	.07				
	10	.23	.16	.13	.10	.19	.14	.11	.9	.10	.08	.06				
	DET	ERMIN	ED IN									HED PROCEDUR	ES			
				- 1	UMIN	AIRES	INPU	ITS W	ATTS	= 12	5.8					

180°

Approve to the same of the sam	
0°	
REPORT NO: CAT. NO:	1500224D.IES SL105BPIU
2 x 54W T5 at 500	0 lumens
LOWER OPTIC	
Efficiency: 32%	

	CANDLEPOWER													
	ZONE → DEG	0	22,5	45	67,5	90								
	0	2400	2400	2400	2400	2400								
	5	2372	2362	2274	2301	2331								
	10	2278	2275	2165	2103	2148								
	15	2046	2034	1973	1895	1932								
	20	1849	1740	1685	1702	1674								
	25	1588	1453	1454	1477	1460								
90°	30	1314	1197	1177	1202	1215								
30	35	1042	945	935	946	972								
	40	777	704	708	704	723								
	45	537	497	511	484	468								
	50	381	333	338	287	237								
	55	320	238	210	177	176								
	60	278	174	130	131	140								
	65	252	118	89	93	102								
	70	220	84	61	65	74								
	75	180	54	41	41	45								
	80	116	30	23	26	24								
	85	116	15	6	10	7								
	90	124	15	1	0	1								

			COE					DISTRIBUTION								
Z	ZONAL CAVITY METHOD EFFECTIVE FLOOR CAVITY REFLECTANCE = .20													Lumens	% Lamp	% Luminaire
			80)			7	0			50		0-30	1434	14	44
					W	all R	eflec	tanc	е				0-40	2028	20	63
	_	70	50	30	10	70	50	30	10	50	30	10	0-60	2613	26	81
	0	.38	.38	.38	.38	.36	.36	.36	.36	.34	.34	.34	0-90	2825	28	87
	1	.35	.34	.33	.32	.34	.33	.32	.31	.31	.30	.30	90-120	113	1	3
0	2	.33	.31	.29	.28	.32	.30	.28	.27	.28	.27	.26	90-150	320	3	10
Æ	3	.31	.28	.26	.24	.30	.27	.25	.24	.26	.24	.23	90-180	414	4	13
Ξ	4	.29	.26	.23	.22	.28	.25	.23	.21	.24	.22	.21	0-180	3240	32	100
ROOM CAVITY RATIO	5	.27	.24	.21	.19	.26	.23	.21	.19	.22	.20	.19				
WO	6	.25	.22	.19	.18	.24	.21	.19	.17	.20	.18	.17				
2	7	.24	.20	.18	.16	.23	.20	.17	.16	.19	.17	.15				
	8	.22	.19	.16	.15	.22	.18	.16	.15	.17	.16	.14				
	9	.21	.17	.15	.14	.20	.17	.15	.13	.16	.14	.13				
	10	.20	.16	.14	.13	.19	.16	.14	.12	.15	.14	.12				
	DET	ERMIN	ED IN							ES PU 5 = 12		HED PROCEDURE	ES			

LUVIII WINES IN TUS WATTS - 125.0

Job Information

Type:

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