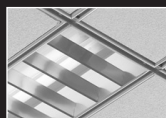


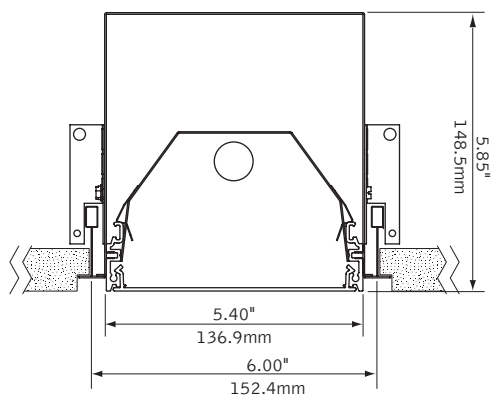
Seem® 6

FLUORESCENT ARMSTRONG® TECH ZONE®

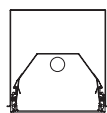


parabolic louver

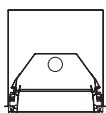
DIMENSIONAL DATA



shielding options



flush lens



parabolic louver

FEATURES

Narrow 6" aperture slot fluorescent luminaire that is compatible with Armstrong® TechZone® continuous slot applications.

Frosted acrylic flush lens provides even illumination, high performance lens also available for increased efficiency. Parabolic louver also available.

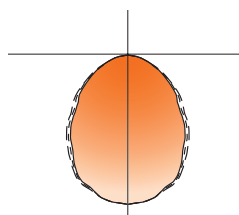
Allows for individual and continuous row mount in Armstrong Tech Zone grid applications.

Available in 1 or 2 lamp T5, T5HO or T8 configurations, Seem 6 provides continuous illumination by combining 3' and 4' staggered lamps. Specify 1 lamp for even appearance and minimal lamp image, or 2 lamps when higher light levels are required.

PERFORMANCE

PRODUCT OVERVIEW

Lumen Output: 1730-7190lm
Wattage: 33-120W
Lamping: T5, T5HO, T8



1-Lamp T5
High Performance Lens

73% Efficient
922 cd @ 0°

1-Lamp T5
Flush Satin Lens

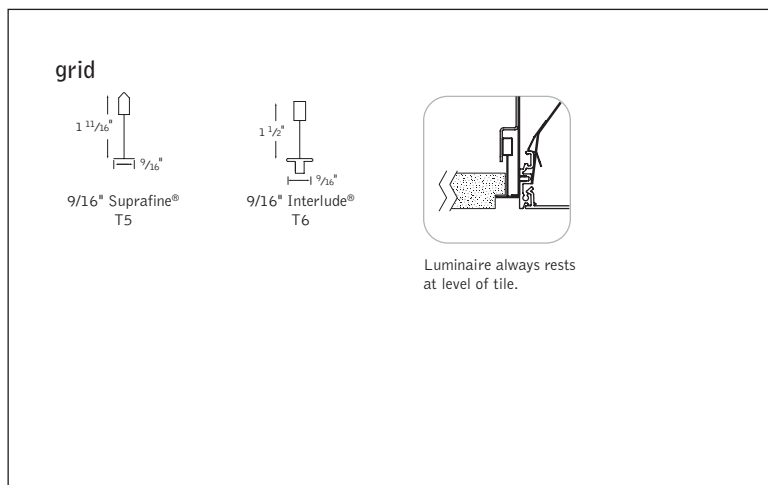
60% Efficient
619 cd @ 5°

Visit focalpointlights.com for complete photometric data.

fixture:

project:

MOUNTING INFORMATION



SPECIFICATIONS

Construction

Die-formed one-piece 20 Ga. steel housing with extruded aluminum reflector and lens attachment rails. 16 Ga. internal bulkhead. 20 Ga. steel end caps. Earthquake brackets supplied as standard.

Lengths 6' and longer configured with staggered lamps (6' & 8' T8 configured with non-staggered lamps). 1-lamp T8: 4.47" overlap, 2-lamp T8: 9.35" overlap, 1-lamp T5/T5HO: 4.35" overlap, 2-lamp T5/T5HO: 2.00" overlap.

2' unit weight: 9lbs., 3' unit weight: 13lbs., 4' unit weight: 17lbs., 5' unit weight: 20lbs., 6' unit weight: 23lbs., 8' unit weight: 31lbs.

Optic

Reflectors fabricated of 20 Ga. steel finished in High Reflectance White pre-paint. Flush satin lens: extruded acrylic lens .07" thick with satin finish. High performance flush lens: extruded acrylic lens .07" thick with increased light transmission. Parabolic lou-ver: .75"H x 1.5" frequency fabricated of low iridescent, semi-specular premium grade aluminum.

Electrical

Luminaires are pre-wired with factory installed branch circuit wiring and over-molded quick connects. Electronic fluorescent ballasts are thermally protected and have a Class "P" rating. Optional dimming ballasts available.

Labels

UL and cUL listed.

Finish

Housing: High reflectance white pre-paint. Aluminum Rails: Polyester powder coat applied over a 5-stage pre-treatment.

ORDERING

Luminaire Series	FSM6TZ
Seem 6	FSM6TZ
Shielding	
Flush Satin Lens	FL
High Performance Flush Lens (lamp image may be visible)	FLXP
Parabolic Louver	PL
Lamping	
One Lamp T8	1T8
Two Lamp T8	2T8
One Lamp T5	1T5
Two Lamp T5	2T5
One Lamp T5HO	1T5HO
Two Lamp T5HO	2T5HO
Circuit	
Single Circuit	1C
Dual Circuit (2-lamp luminaires only)	2C
Voltage	
120 Volt	120
277 Volt	277
347 Volt	347
Ballast	
Electronic Instant Start (T8 only) (maximum <20% THD)	E
Electronic Program Start <10% THD	S
Electronic Dimming Ballast*	D
Ceiling Configurations	
9/16" Suprafine Tegular	T5
9/16" Interlude Node Tegular	T6
Factory Options	
Chicago Plenum	CP
Emergency Circuit*	EC
Emergency Battery Pack*	EM
Flex Whip*	FW
HLR/GLR Fuse	FU
Include 3000K Lamp*	L830
Include 3500K Lamp*	L835
Include 4100K Lamp*	L841
Finish	WH
Matte White Housing	WH
Luminaire Length (designed to fit standard grid lengths)	
Specify luminaire/row length in 1' increments (lengths 6' and longer configured with staggered lamps. 6' & 8' 2-lamp T8 configured with non-staggered lamps)	X'



Seem® 6

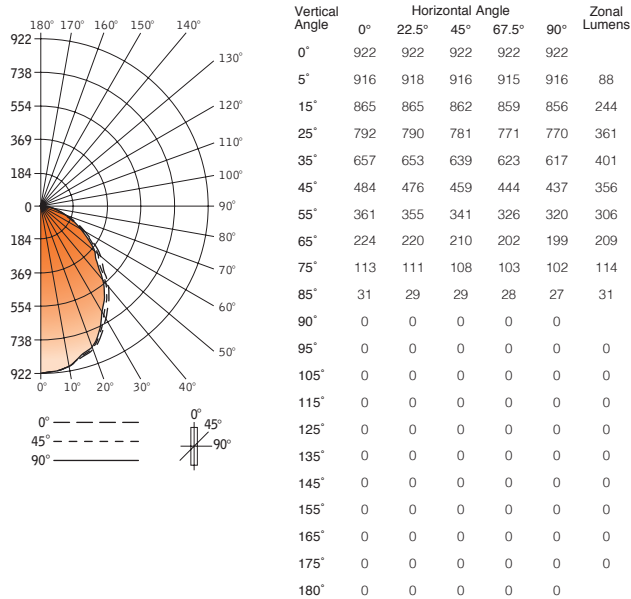
FLUORESCENT - HIGH PERFORMANCE FLUSH LENS

FSM6-FLXP-1T5-1C-120-S-WH-4'

Filename: FSM6FLXP1T5.IES
Test #: 16086.0

Lumens: 2110lm
Efficiency 73%

CANDELPower DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	639	23.9	32.8
0-40°	1094	37.7	51.8
0-60°	1756	60.5	83.2
0-90°	2110	72.8	100
Total Luminaire 0-180°	2110	72.8	100

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	4371	4145	3946
55°	4019	3796	3563
65°	3385	3173	3007
75°	2788	2665	2517
85°	271	2125	1978

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80			70			20 50		30		10		00
	70	50	30	70	50	10	50	10	50	10	50	10	00
RCR	0	87	87	87	87	85	85	85	81	81	77	77	73
1	80	77	74	72	78	76	74	73	69	70	67	67	65
2	74	69	64	61	72	67	60	65	59	63	57	60	56
3	68	61	56	52	67	60	51	58	51	56	50	55	49
4	63	55	49	45	61	54	45	52	44	51	43	49	43
5	58	49	43	39	56	48	38	47	38	45	38	44	37
6	53	44	38	34	52	44	34	42	33	41	33	40	33
7	49	40	34	30	42	40	30	38	30	37	29	36	29
8	46	36	30	26	45	36	26	35	26	34	26	33	26
9	42	33	27	23	41	32	23	31	23	31	23	30	22
10	39	30	24	20	38	29	20	29	20	28	20	27	20

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Seem® 6

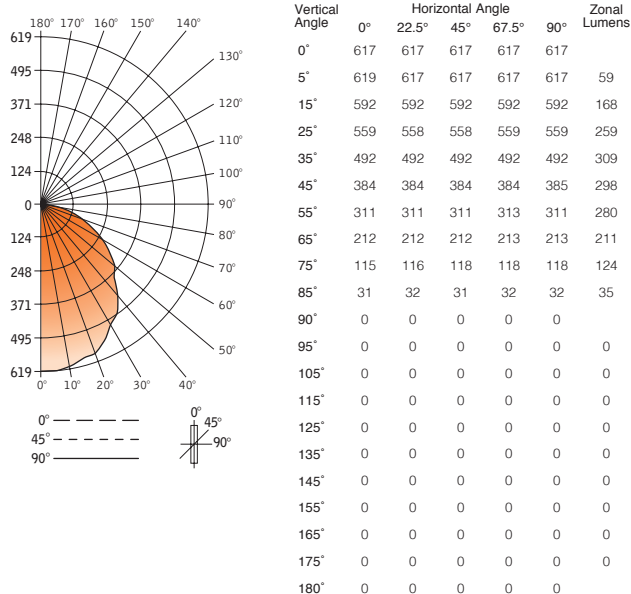
FLUORESCENT - FLUSH LENS

FSM6-FL-1T5-1C-120-S-WH-4'

Filename: FSM6FL1T5.IES
Test #: 16085.0

Lumens: 1740lm
Efficiency 60%

CANDELPower DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	485	16.7	27.9
0-40°	794	27.4	45.6
0-60°	1371	47.3	78.8
0-90°	1740	60.0	100
Total Luminaire 0-180°	1740	60.0	100

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	3468	3468	3477
55°	3462	3462	3462
65°	3203	3203	3218
75°	2837	2911	2911
85°	2271	2271	2344

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70		20 50		30		10		00		
	70	71	50	30	10	70	50	10	50	10	50	10	00		
RCR	0	71	71	71	71	70	70	70	67	67	64	64	61	61	60
1	66	63	61	61	58	64	62	57	59	56	57	54	55	52	51
2	60	55	52	48	48	59	54	48	52	47	50	46	48	45	43
3	55	49	44	41	41	54	48	40	46	40	45	39	43	38	37
4	51	44	39	35	35	49	43	34	41	34	40	34	39	33	32
5	46	39	33	29	29	45	38	29	37	29	36	29	34	28	27
6	43	35	29	26	26	41	34	26	33	25	32	25	31	25	24
7	39	31	26	22	22	38	31	22	30	22	29	22	28	22	20
8	36	28	23	19	19	35	27	19	27	19	26	19	25	19	18
9	33	25	20	17	17	32	25	17	24	17	23	16	23	16	15
10	32	23	18	15	15	30	22	15	22	15	21	15	21	14	13

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Seem® 6

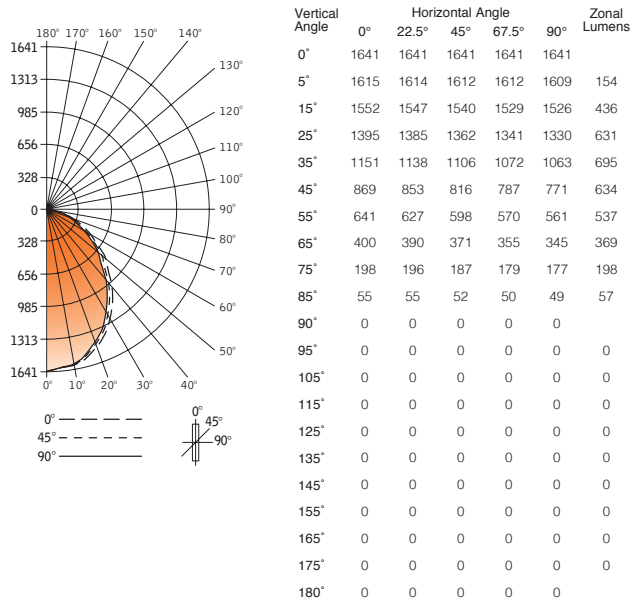
FLUORESCENT - HIGH PERFORMANCE FLUSH LENS

FSM6-FLXP-2T5-1C-120-S-WH-4'

Filename: FSM6FLXP2T5.IES
Test #: 16084.0

Lumens: 3712lm
Efficiency 64%

CANDELPWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	1221	21.0	32.9
0-40°	1915	33.0	51.6
0-60°	3087	53.2	83.2
0-90°	3712	64.0	100
Total Luminaire 0-180°	3712	64.0	100

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	7848	7369	6963
55°	7136	6657	6246
65°	6044	5606	5213
75°	4885	4614	4367
85°	4030	3810	3590

CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70				20		30		10		00	
	70	50	30	10	70	50	10	50	10	50	10	50	10	50	10	00
RCR	0	76	76	76	76	74	74	74	71	71	69	69	65	65	64	
1	71	68	66	66	63	69	66	62	64	60	61	59	59	57	56	
2	65	60	57	53	63	59	53		57	51	55	50	53	49	48	
3	60	54	49	46	59	53	45		51	44	50	44	48	43	42	
4	55	48	43	39	54	48	39		46	39	45	38	43	38	36	
5	51	43	38	34	50	43	34		41	33	40	33	39	33	31	
6	47	39	34	30	46	38	30		37	29	36	29	35	29	28	
7	43	35	30	26	42	35	26		34	26	33	26	32	26	24	
8	40	32	27	23	39	31	23		31	23	30	23	29	22	21	
9	37	29	24	20	36	28	20		28	20	27	20	26	20	19	
10	34	26	21	18	34	26	18		25	18	25	18	24	18	16	

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

Seem® 6

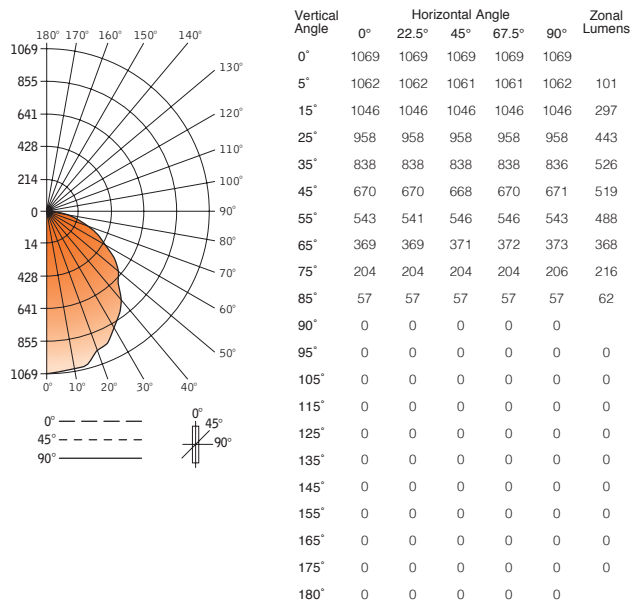
FLUORESCENT - FLUSH LENS

FSM6-FL-2T5-1C-120-S-WH-4'

Filename: FSM6FL2T5.IES
Test #: 16083.0

Lumens: 3020lm
Efficiency 52%

CANDELPWER DISTRIBUTION



LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	841	14.5	27.9
0-40°	1368	23.6	45.3
0-60°	2374	40.9	78.6
0-90°	3020	52.1	100
Total Luminaire 0-180°	3020	52.1	100

LUMINANCE DATA (cd/m²)

Vertical Angle	0°	45°	90°
45°	6050	6032	6059
55°	6045	6079	6045
65°	5575	5606	5636
75°	5033	5033	5082
85°	4176	4176	4176

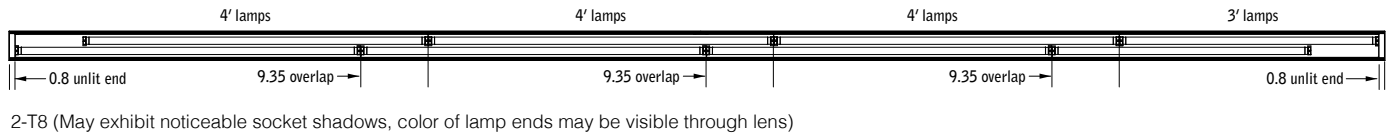
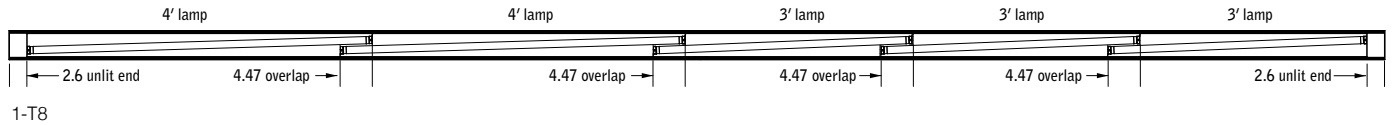
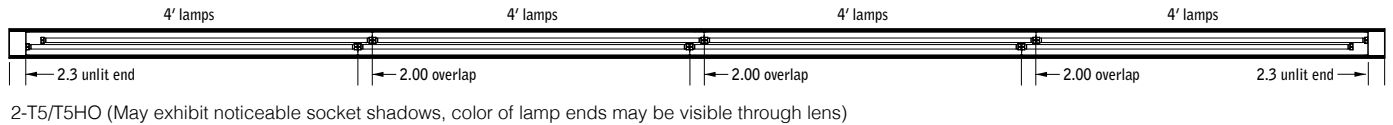
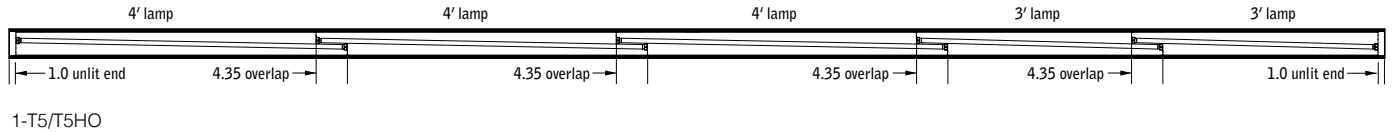
CO-EFFICIENTS OF UTILIZATION

Floor Ceiling Wall	80				70			20 50		30		10		00	
	70	50	62	30	10	70	50	10	50	10	50	10	50	10	00
RCR	0	62	62	62	62	61	61	61	58	58	55	55	53	53	52
	1	57	55	53	51	56	53	50	51	48	49	47	47	45	44
	2	52	48	45	42	51	47	41	45	40	44	39	42	39	37
	3	48	43	39	35	47	42	35	40	34	39	34	38	33	32
	4	44	38	33	30	43	37	30	36	29	35	29	34	29	28
	5	40	33	29	25	39	33	25	32	25	31	25	30	25	23
	6	37	30	25	22	36	29	22	29	22	28	22	27	21	20
	7	34	27	22	19	33	27	19	26	19	25	19	24	19	18
	8	31	24	20	17	30	24	17	23	17	22	16	22	16	15
	9	29	22	17	14	28	21	14	21	14	20	14	20	14	13
	10	27	20	16	13	26	19	13	19	13	18	13	18	13	12

Numbers indicate percentage values of reflectivity.

Go to www.focalpointlights.com for additional photometric data.

EXAMPLE 16' RUN



Notes:

- Lamp overlap is consistent throughout run.
- Unlit ends vary to provide even light throughout run.
- Standard configurations listed, consult factory for additional options.
- 2T5HO not available with Seem 4

Seem® 4 & 6

FLUORESCENT RECESSED RUN GUIDE



FOCAL POINT®

Nominal run length (ft)	1-T5/T5HO (4.35" overlap)			2-T5/T5HO (2.00" overlap)			1-T8 (4.47" overlap)			2-T8 (9.35" overlap)		
	Lamp quantity		Unlit ends (in)	Lamp quantity		Unlit ends (in)	Lamp quantity		Unlit ends (in)	Lamp quantity		Unlit ends (in)
	3'	4'		3'	4'		3'	4'		3'	4'	
6		2	0.3'	4		0.2	2		1.8	4		0.1'
7		2	0.3'	2	2	0.3	1	1	1.8	4		0.8
8	3		0.5		4	0.4		2	1.8	2	2	0.8
9	2	1	0.6	6		1.1	3		4.0		4	0.9
10	1	2	0.6	4	2	1.2	2	1	4.1	6		0.8
11		3	0.8	2	4	1.3	4		0.3	4	2	0.8
12	2	2	0.3'		6	1.3	3	1	0.3	8		0.1'
13	5		0.7	6	2	2.1	2	2	0.3		6	0.8
14	4	1	0.8	4	4	2.2	1	3	0.3	6	2	0.8
15	3	2	0.8	2	6	2.3		4	0.3	4	4	0.8
16	2	3	1.0		8	2.3	3	2	2.6	2	6	0.8
17	1	4	1.1	6	4	3.0	2	3	2.6		8	0.8
18		5	1.1	4	6	3.1	1	4	2.6	6	4	0.8
19	6	1	0.8	2	8	3.2	7		1.0	4	6	0.8
20	5	2	0.8		10	3.3	6	1	1.0	2	8	0.8
21	4	3	1.0	6	6	4.0	5	2	1.1		10	0.8
22	3	4	1.1	4	8	4.1	4	3	1.1	6	6	0.8
23	9		1.1	2	10	4.2	3	4	1.1	4	8	0.8
24	1	6	0.9		12	4.3	2	5	1.1	2	10	0.8
25	7	2	1.3	12	4	0.1'	1	6	1.1		12	0.8
26	6	3	1.2	18		0.3		7	1.2	6	8	0.8
27	5	4	1.3	16	2	0.3	10		1.8	4	10	0.8
28	11		1.0	14	4	0.4	9	1	1.8	2	12	0.8
29	10	1	1.1	12	6	0.6	8	2	1.8		14	0.8
30	9	2	1.2	10	8	0.7	7	3	1.8	6	10	0.8
31	8	3	1.3		16	0.2	6	4	1.8	4	12	0.8
32	7	4	1.4	6	12	0.8	5	5	1.8	2	14	0.8
33	13		1.2	4	14	0.9	4	6	1.8		16	0.8
34	12	1	1.2	2	16	1.1	3	7	1.9	6	12	0.8
35	11	2	1.3		18	1.1	2	8	1.9	4	14	0.8
36	10	3	1.4	6	14	1.8	1	9	1.9	2	16	0.8
37	9	4	1.5	4	16	1.9	7	5	0.3		18	0.9
38	15		1.3	2	18	2.0	6	6	0.3	6	14	0.8
39	14	1	1.3		20	2.1	5	7	0.4	4	16	0.8
40	13	2	1.4	6	16	2.8	4	8	0.4	2	18	0.8
41	12	3	1.6	4	18	2.8	3	9	0.4		20	0.9
42	11	4	1.7	2	20	2.9	2	10	0.4	6	16	0.8
43	10	5	1.8		22	3.1	1	11	0.4	4	18	0.9
44	9	6	1.9	6	18	3.7		12	0.4	2	20	0.9
45	8	7	1.9	26	4	0.1'	3	10	2.7		22	0.9
46	7	8	2.1	32	0	0.7'	2	11	2.7	6	18	0.9
47	13	4	1.8	22	8	0.3'	1	12	2.7	4	20	0.9
48	19		1.5	20	10	0.4'	7	8	1.1	2	22	0.9

* special lamp stagger to decrease end darkness.
note: 2T5HO not available with Seem 4