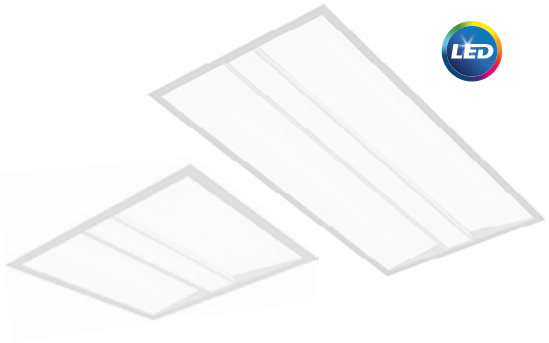
LEDALITE
by signify

Recessed

Shine

600x600mm, 600x1200mm, 20"x2' & 20"x4'



A family of uniformly luminous fixtures, **Shine** recessed delivers outstanding performance for superior energy savings. Available in a wide variety of sizes, Shine is a highly efficient and economical solution for any recessed lighting and energy challenge.

Project:

Location:

Cat.No:

Type:

Line ID: Qty:

Notes:

Ordering guide

example: 33M4D1STL8BAS7DE

Family	Size	Version	Configuration	Source	CRI/CCT[1]	Lumens[1]	Housing	Wiring[2]	Voltage	Driver	Option[3]
33		D1	ST	L						E	
33 Shine	**M2** 600x600mm **52** 20"x2'	**D1** Standard T-Grid	**ST** Standalone	**L** LED	**8A** 80CRI/4000K **8B** 80CRI/3500K **8C** 80CRI/3000K	**D** 4000lm **E** 3000lm	**S** Standard **C** Chicago Plenum	**7** 1cct Dimming **N** 1cct Dimming + EM Batt. Pack	**D** UNV 120-277V **3** 347V	**E** Advance 0-10V (1% Dim)	**P** Flex Whip (6') **S** Solid Filler Panel (set of 2) **A** Air Return Filler Panel (set of 2) If no option is required, leave blank
	M4 600x1200mm **54** 20"x4'					**A** 6800lm **C** 5200lm **D** 4000lm					

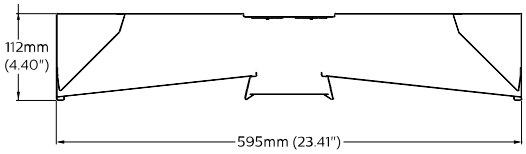
1. Nominal values within a range. Consult photometry data for CRI, color temp, lumens & distribution of chosen configuration.
2. Not all wiring types are available with all configurations. Consult Ledalite for a complete list of available options.
3. Filler Panels are only available with the 20"x4' fixture size to extend the product for a 20"x60" grid system.

Shine recessed

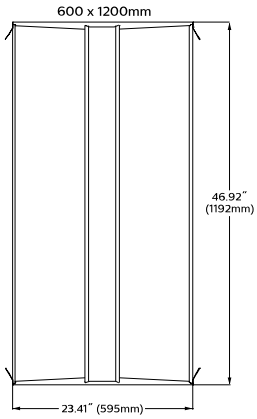
600x600mm, 600x1200mm, 20"x2' & 20"x4'

Cross Section View

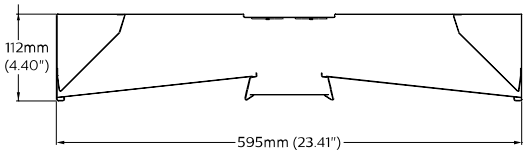
600x1200mm (M4)



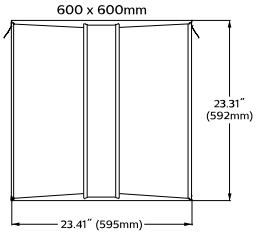
Lens View



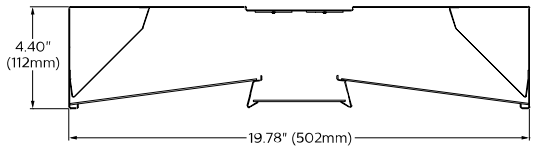
600x600mm (M2)



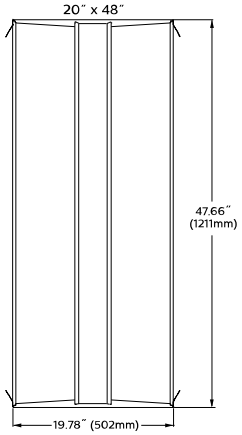
Lens View



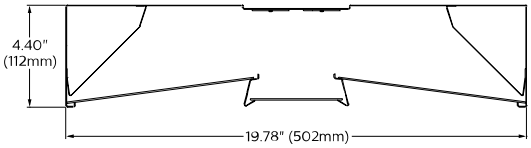
20"x4' (54)



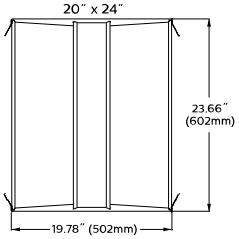
Lens View



20"x2' (52)



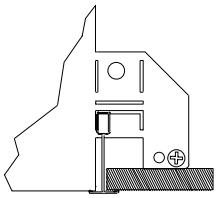
Lens View



Cross Section View – Mounting Details

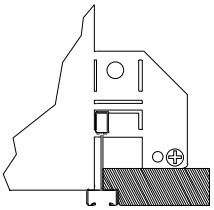
Flat T-Grid

Integrates with most common T-Grid types



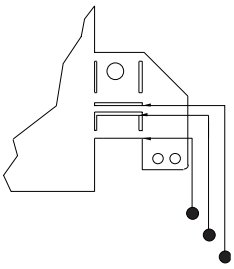
Works with 9/16" & 15/16" flat T-Grid ceilings

Slot T-Grid



Can also be used with slot T-Grid ceilings. For 9/16" slot T-Grid ceilings, fixture will sit 5/16" above bottom of T-Bar.

Ceiling Types



Integrated mounting tabs can be field-adjusted to various T-Grid ceiling heights for fastening directly to the T-Bar and/or tied off to the building structure.

1" T-Bar Height
1-1/2" T-Bar Height
1-11/16" T-Bar Height

Shine recessed

600x600mm, 600x1200mm, 20''x2' & 20''x4'

Specifications

Optical System

Optical system consists of highly reflective painted interior reflectors and three flat acrylic lenses.

Finish

Housing and Frame: Post-painted, high quality powder coat. Available in white.

Housing

Die-formed, post-painted, 22 gauge cold-rolled steel. Wire entrance is positioned on top and the sides of housing to allow easy wiring access for installation. Access to boards and drivers from below via side lens cavity. T-bar clips built into the luminaire ends for quick and easy installation. Optional perforated or solid filler panels for 20"x48" fixtures to accommodate 60" ceiling grid.

Weight

Maximum 40lbs.

Optical System

Optical system consists of highly reflective painted interior reflectors and three flat acrylic lenses.

Electrical

LED boards are easily field replaceable, if required. Fixtures are factory pre-wired and tested for all circuits and emergency battery packs; all leads pulled to a side access with cover plate.

Standard Driver

Advance Xitanium 0-10V, 1-100%. Class 2 rated output. Consult Ledalite for other available drivers.

Standard Battery Pack

Bodine, 90 min, 10W, Class 2 rated output, Emergency lumen output = 10W x luminaire efficacy x 1.1. Typical output: 1200lm.

Lumen Maintenance

LEDs have been tested by the manufacturer in accordance with IESNA LM-80-08. At an ambient temperature of 25°C, the LED lumen maintenance expectation according to IES TM-21-11 is: L80 (12k) >72,000 hrs (Reported methodology).

Source Color

LEDs rated for color rendering CRI >80, R9 >0 and fixture to fixture color accuracy within 3 SDCM.

Mounting

Compatible with 15/16" lay-in acoustical ceilings using exposed grid suspension (NEMA type G). For 9/16" slot T-grid ceilings, fixture will sit 5/16" above bottom of Tee. Integrated tabs are provided for different T-grid heights.

Wiring

Optional armored cable flex whips are supplied in 6' lengths.

Approvals

Certified to UL & CSA Standards. City of Chicago Approved CCEA (housing option C).

Warranty

Five-year luminaire limited warranty including LED boards and driver. www.signify.com/warranties.

Environment

Rated for dry & damp locations in operating in ambient temperatures of 25°C. Many luminaire components, such as reflectors, refractors, lenses, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility. Damage caused by sulfur, chlorine, petroleum based solution or other contaminants are not covered under warranty.

Shine recessed

600x600mm, 600x1200mm, 20"x2' & 20"x4'

Photometrics

20"x2' (52)

Spacing Criteria: 1.15/1.18

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	DLC	Photometry Report	IES File
4000lm	80CRI, 4000K	3953	35.9	110.1	82	11	N/A	PDF	IES
	80CRI, 3500K	3959	36.1	109.7	82	6	N/A	PDF	IES
	80CRI, 3000K	3754	35.9	104.6	81	3	N/A	PDF	IES
3000lm	80CRI, 4000K	3010	26.7	112.7	82	11	N/A	PDF	IES
	80CRI, 3500K	3016	26.9	112.1	82	6	N/A	PDF	IES
	80CRI, 3000K	2857	26.7	107.0	81	3	N/A	PDF	IES

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	1233	1233	1233	1233	1233	
5	1218	1223	1222	1227	1225	116
15	1149	1164	1162	1177	1172	328
25	1017	1053	1042	1063	1049	483
35	857	907	885	902	886	557
45	684	721	700	724	703	547
55	495	529	509	524	502	462
65	314	339	319	329	312	324
75	154	169	148	158	143	167
85	22	33	17	24	17	33
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

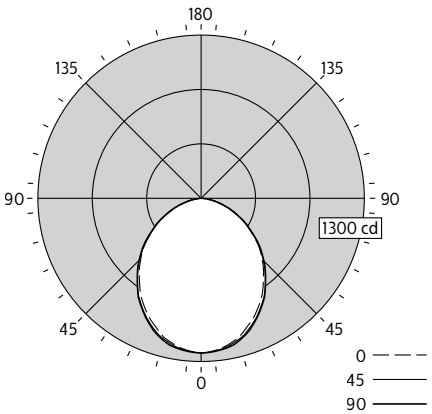
*Photometric data shown is for 3000lm, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	110	105	101	97	107	103	99	99	96	93	85
2	100	92	86	80	97	90	84	87	82	78	72
3	92	82	74	67	89	80	73	77	71	66	61
4	84	73	64	58	82	71	63	69	62	56	53
5	78	65	56	50	75	64	56	62	55	49	46
6	72	59	50	44	70	58	50	56	49	43	41
7	67	53	45	39	65	53	45	51	44	39	36
8	62	49	41	35	61	48	40	47	40	35	32
9	58	45	37	32	57	44	37	43	36	31	29
10	55	42	34	29	53	41	34	40	33	29	27

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	927	30.7%	30.7%
0-40	1484	49.2%	49.2%
0-60	2492	82.6%	82.6%
0-90	3016	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	3016	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	26.9	0.225	6.2	0.997
277V: P, I, THD, PF	26.6	0.099	13.2	0.966
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	4401	4401	4401
5	4365	4378	4389
15	4246	4293	4332
25	4006	4103	4130
35	3733	3857	3860
45	3451	3535	3549
55	3082	3165	3126
65	2652	2694	2635
75	2127	2038	1975
85	899	698	689



0% Up / 100% Down

Shine recessed

600x600mm, 600x1200mm, 20"x2' & 20"x4'

Photometrics

600x600mm (M2)

Spacing Criteria: 1.15/1.18

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	DLC	Photometry Report	IES File
4000lm	80CRI, 4000K	3953	35.9	110.1	82	11	N/A	PDF	IES
	80CRI, 3500K	3959	36.1	109.7	82	6	N/A	PDF	IES
	80CRI, 3000K	3754	35.9	104.6	81	3	N/A	PDF	IES
3000lm	80CRI, 4000K	3010	26.7	112.7	82	11	N/A	PDF	IES
	80CRI, 3500K	3016	26.9	112.1	82	6	N/A	PDF	IES
	80CRI, 3000K	2857	26.7	107.0	81	3	N/A	PDF	IES

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	1233	1233	1233	1233	1233	
5	1218	1223	1222	1227	1225	116
15	1149	1164	1162	1177	1172	328
25	1017	1053	1042	1063	1049	483
35	857	907	885	902	886	557
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55	495	529	509	524	502	462
65	314	339	319	329	312	324
75	154	169	148	158	143	167
85	22	33	17	24	17	33
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

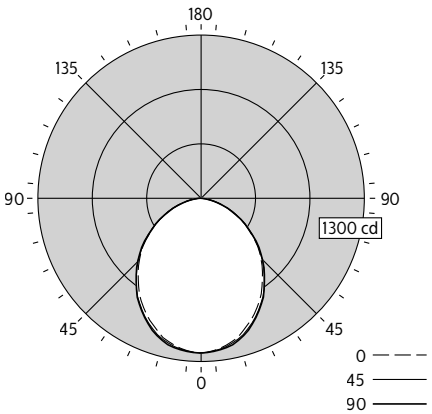
*Photometric data shown is for 3000lm, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	110	105	101	97	107	103	99	99	96	93	85
2	100	92	86	80	97	90	84	87	82	78	72
3	92	82	74	67	89	80	73	77	71	66	61
4	84	73	64	58	82	71	63	69	62	56	53
5	78	65	56	50	75	64	56	62	55	49	46
6	72	59	50	44	70	58	50	56	49	43	41
7	67	53	45	39	65	53	45	51	44	39	36
8	62	49	41	35	61	48	40	47	40	35	32
9	58	45	37	32	57	44	37	43	36	31	29
10	55	42	34	29	53	41	34	40	33	29	27

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	927	30.7%	30.7%
0-40	1484	49.2%	49.2%
0-60	2492	82.6%	82.6%
0-90	3016	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	3016	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	26.9	0.225	6.2	0.997
277V: P, I, THD, PF	26.6	0.099	13.2	0.966
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	3754	3754	3754
5	3723	3734	3743
15	3621	3662	3695
25	3417	3499	3522
35	3184	3290	3292
45	2943	3015	3027
55	2628	2699	2666
65	2262	2297	2247
75	1814	1738	1684
85	767	595	588



0% Up / 100% Down

Shine recessed

600x600mm, 600x1200mm, 20"x2' & 20"x4'

Photometrics

20"x4' (54)

Spacing Criteria: 1.17/1.17

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	DLC	Photometry Report	IES File
6800lm	80CRI, 4000K	6880	59.6	115.4	82	11	N/A	PDF	IES
	80CRI, 3500K	6892	60.0	114.9	82	6	N/A	PDF	IES
	80CRI, 3000K	6531	59.6	109.6	81	3	N/A	PDF	IES
5200lm	80CRI, 4000K	5329	45.2	117.9	82	11	N/A	PDF	IES
	80CRI, 3500K	5337	45.5	117.3	82	6	N/A	PDF	IES
	80CRI, 3000K	5057	45.2	111.9	81	3	N/A	PDF	IES
4000lm	80CRI, 4000K	3936	33.1	118.9	82	11	N/A	PDF	IES
	80CRI, 3500K	3942	33.3	118.4	82	6	N/A	PDF	IES
	80CRI, 3000K	3736	33.1	112.9	81	3	N/A	PDF	IES

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	1593	1593	1593	1593	1593	
5	1577	1581	1576	1584	1581	150
15	1486	1510	1500	1526	1509	425
25	1339	1368	1352	1377	1351	626
35	1141	1176	1153	1166	1138	724
45	902	940	914	925	899	711
55	666	702	669	681	655	605
65	437	459	424	423	410	429
75	214	230	199	207	185	224
85	37	48	28	35	24	48
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

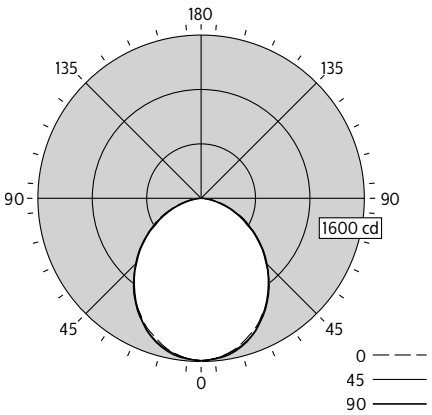
*Photometric data shown is for 4000lm, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	105	101	97	107	103	99	98	95	93	85
2	100	92	86	80	97	90	84	87	82	77	72
3	91	81	73	67	89	80	72	77	71	65	61
4	84	72	64	57	82	71	63	69	62	56	53
5	77	65	56	50	75	64	56	62	54	49	46
6	72	59	50	44	70	58	49	56	49	43	40
7	66	53	45	39	65	52	44	51	44	38	36
8	62	49	40	35	60	48	40	47	40	34	32
9	58	45	37	31	57	44	37	43	36	31	29
10	54	41	34	28	53	41	33	40	33	28	26

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	1201	30.5%	30.5%
0-40	1925	48.8%	48.8%
0-60	3242	82.2%	82.2%
0-90	3942	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	3942	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	33.3	0.278	5.4	0.998
277V: P, I, THD, PF	32.7	0.121	12.3	0.974
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	2784	2784	2784
5	2767	2766	2775
15	2689	2714	2731
25	2583	2608	2606
35	2436	2460	2429
45	2229	2259	2222
55	2029	2040	1997
65	1808	1755	1695
75	1448	1346	1250
85	742	556	473



0% Up / 100% Down

Shine recessed

600x600mm, 600x1200mm, 20"x2' & 20"x4'

Photometrics

600x1200mm (M4)

Spacing Criteria: 1.17/1.17

(Click "PDF" and "IES" text to Download)

Lumen Package	Nominal CRI & CCT	Flux (lm)	Watts (W)	Efficacy (LPW)	CRI	R9	DLC	Photometry Report	IES File
6800lm	80CRI, 4000K	6880	59.6	115.4	82	11	N/A	PDF	IES
	80CRI, 3500K	6892	60.0	114.9	82	6	N/A	PDF	IES
	80CRI, 3000K	6531	59.6	109.6	81	3	N/A	PDF	IES
5200lm	80CRI, 4000K	5329	45.2	117.9	82	11	N/A	PDF	IES
	80CRI, 3500K	5337	45.5	117.3	82	6	N/A	PDF	IES
	80CRI, 3000K	5057	45.2	111.9	81	3	N/A	PDF	IES
4000lm	80CRI, 4000K	3936	33.1	118.9	82	11	N/A	PDF	IES
	80CRI, 3500K	3942	33.3	118.4	82	6	N/A	PDF	IES
	80CRI, 3000K	3736	33.1	112.9	81	3	N/A	PDF	IES

CANDELA DISTRIBUTION						Flux
	0	22.5	45	67.5	90	Lumens
0	1593	1593	1593	1593	1593	
5	1577	1581	1576	1584	1581	150
15	1486	1510	1500	1526	1509	425
25	1339	1368	1352	1377	1351	626
35	1141	1176	1153	1166	1138	724
45	902	940	914	925	899	711
55	666	702	669	681	655	605
65	437	459	424	423	410	429
75	214	230	199	207	185	224
85	37	48	28	35	24	48
90	0	0	0	0	0	
95	0	0	0	0	0	0
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

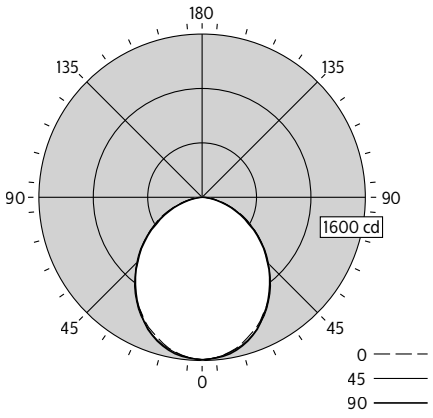
*Photometric data shown is for 4000lm, 3500K, 80 CRI configuration.

COEFFICIENTS OF UTILIZATION (%)											
Pc---	80				70			50			0
Pw---	70	50	30	10	70	50	30	50	30	10	0
RCR											
0	119	119	119	119	116	116	116	111	111	111	100
1	109	105	101	97	107	103	99	98	95	93	85
2	100	92	86	80	97	90	84	87	82	77	72
3	91	81	73	67	89	80	72	77	71	65	61
4	84	72	64	57	82	71	63	69	62	56	53
5	77	65	56	50	75	64	56	62	54	49	46
6	72	59	50	44	70	58	49	56	49	43	40
7	66	53	45	39	65	52	44	51	44	38	36
8	62	49	40	35	60	48	40	47	40	34	32
9	58	45	37	31	57	44	37	43	36	31	29
10	54	41	34	28	53	41	33	40	33	28	26

ZONAL LUMEN SUMMARY			
Zone	Lumens	%Fixture	%Lamp
0-30	1201	30.5%	30.5%
0-40	1925	48.8%	48.8%
0-60	3242	82.2%	82.2%
0-90	3942	100.0%	100.0%
90-130	0	0.0%	0.0%
90-150	0	0.0%	0.0%
90-180	0	0.0%	0.0%
0-180	3942	100.0%	100.0%

Electrical				
120V: P, I, THD, PF	33.3	0.278	5.4	0.998
277V: P, I, THD, PF	32.7	0.121	12.3	0.974
347V: P, I, THD, PF	N/A	N/A	N/A	N/A

AVG LUMINANCE (cd/m²)			
	0	45	90
0	2368	2368	2368
5	2353	2352	2360
15	2287	2308	2322
25	2196	2217	2216
35	2071	2092	2065
45	1896	1921	1889
55	1725	1735	1698
65	1538	1493	1442
75	1231	1145	1063
85	631	472	403



0% Up / 100% Down

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