

# Luminata III Series™

Catalog Number	Type
Project Name	

Shown with Sculpted End Cap and White Cross Baffle



Shown with Extended Ends and Translucent White Acrylic Lens

## LM3S02

10" x 2 11/16" Indirect/Direct (T8, T5 or T5HO Lamps)

### S P E C I F I C A T I O N S

#### Housing

Two-piece .070" thick extruded aluminum with two 1 1/4" x 18" illuminated downlight apertures on 24" centers on each side. Standard lengths are 4', 8' and 12'. Provisions may be made for continuous rows of any length.

#### End Caps

- (SE) Sculpted End - .125" thick die-cast aluminum finished to match fixture housing and secured with no visible fasteners.
- (XE) Extended End - 6" extension of extruded aluminum housing with a .125" low profile die cast end cap secured with no visible fasteners.

#### Finish

Standard and premium finishes are baked powder coat electrostatically applied (2.0 mil minimum thickness) to assure aesthetics and durability. Standard finish for stems and canopies is white.

#### Direct Optical Controls

- (PB) 3/4" deep semi-specular aluminum parabolic baffle with blades on 1 1/2" centers.
- (BW) 3/4" deep white aluminum cross baffle with blades on 1 1/2" centers.
- (BWPF) 3/4" deep perforated white aluminum cross baffle with blades on 1 1/2" centers.
- (TWA) Translucent white acrylic lens.

#### Reflectors

Die-formed from .020" thick high reflectance specular aluminum.

#### Ballast

Standard ballasts for T5 and T5HO lamps are UL/CUL listed, Class P, HPF, electronic, universal 120/277volt, programmed rapid start with <10% THD.

Standard ballasts for T8 lamps are UL/CUL listed, Class P, HPF, electronic, universal 120/277volt, instant start with <10% THD.

#### Circuitry

All fixtures are factory pre-wired for a single circuit. Provision for multiple switching/circuiting is optional.

#### Wiring

All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

#### Controls

Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

#### Certification

All fixtures are UL/CUL listed for use in "Dry Applications". "Damp Location" is optional.



LM3S02-T5 (Or T5HO)



LM3S02-T8

Series LM3S02	Standard Lengths: 4', 8' and 12'	Mounting CT = Cable (15/16" Tbar) Fully Adjustable (36" Standard) CN = Cable (Non-Tbar) Fully Adjustable (36" Standard) P = Rigid Stem (Up to 48" Standard) K = Swivel Stem (Up to 48" Standard)
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## LM3S02-XE-12-CT-BW-F01M-V-T8-[]

End Caps	Direct Optical Controls	Standard Finishes	Voltage	Lamp Type	Options
SE Sculpted End	PB Semi-Specular Parabolic Baffle	F01M Matte White F01G Gloss White <b>Premium Finishes</b> F02 Ivory F03 Stonewash F04 Carmel F05 Gray Day F06 Pebble Beach F07 Steel F08 Gray Seal F09 Mocha F10 Bronzed F11 Black F12 Ultrasonic Clear	120 277 347	T8 T5 T5HO	<b>SS-L/R (Left/Right)</b> Lamp Row Switching (Common Neutral Utilized) <b>NLCKT</b> Separate Night Light Circuit <b>EMCKT</b> Separate Emergency Circuit <b>EBPL</b> Emergency Battery Pack (635-700 Lumens) <b>EBPH</b> Emergency Battery Pack (975-1325 Lumens) <b>Dim</b> Dimming <b>FS</b> Fused Ballasts <b>GTD</b> Generator Transfer Device <b>AO</b> Translucent White Acrylic Overlay above Baffle
XE Extended End	BW White Cross Baffle <b>BWPF</b> Perforated White Cross Baffle <b>TWA</b> Translucent White Acrylic Lens	F13 Merlot F14 Red Skies F15 Lemon F16 Forest Hunter F17 Olive F18 Khaki F19 Heather Green F20 Blue Print F21 Reflex Blue F22 Navy FCC Custom Color			

To view Wood Grain, Marble and Granite Finishes on our Website see "Products"-"Specialty Finishes".



Precision Architectural Lighting 4830 Timber Creek Drive Houston, Texas 77017  
Tel 713.946.4343 Fax 713.946.4441 www.pal-lighting.com

# LM3S02

## Indirect/Direct - T5HO Lamp

### Semi-Specular Aluminum Parabolic Baffle

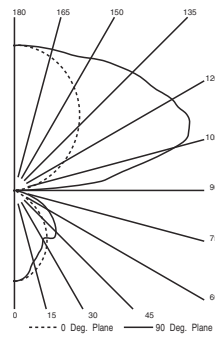
**Catalog Number:** LM3S02-SE-4-X-PB-F01M-120-T5HO

**Report Number:** LTL#14713.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector and Semi-Specular Parabolic Baffle and Open Top

**Lamps:** Two Sylvania FP54/841/ECO Rated at 4400 Lumens Each

Total Luminaire Efficiency = 87.6%  
79% Up 21% Down



CANDELA DISTRIBUTION										FLUX
0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		
0	793	793	793	793	793	793	793	793	793	793
5	787	781	780	781	781	781	780	781	787	73.5
15	720	709	680	650	647	650	680	709	720	191.6
25	625	593	551	553	562	553	551	593	625	262.7
35	497	463	442	469	510	469	442	463	497	295.6
45	344	332	389	486	515	486	389	332	344	314.2
55	159	214	335	377	404	377	335	214	159	269.3
65	18	138	193	237	268	237	193	138	18	173.3
75	0	10	65	90	98	90	65	10	0	57.5
85	0	0	5	30	48	30	5	0	0	13.0
90	0	0	0	9	14	9	0	0	0	0
95	30	327	507	621	632	621	507	327	30	424.4
105	192	518	1084	1407	1456	1407	1084	518	192	976.6
115	394	632	1085	1480	1639	1480	1085	632	394	1046.7
125	602	755	1115	1409	1534	1409	1115	755	602	977.1
135	798	886	1141	1372	1464	1372	1141	886	798	876.3
145	971	1017	1157	1317	1384	1317	1157	1017	971	732.6
155	1112	1128	1198	1266	1299	1266	1198	1128	1112	555.0
165	1213	1217	1239	1270	1282	1270	1239	1217	1213	351.6
175	1268	1261	1266	1274	1277	1274	1266	1261	1268	120.7
180	1269	1269	1269	1269	1269	1269	1269	1269	1269	1269

\*Use a 0.59 multiplier for T5

# LM3S02

## Indirect/Direct - T5HO Lamp

### White Aluminum Cross Baffle

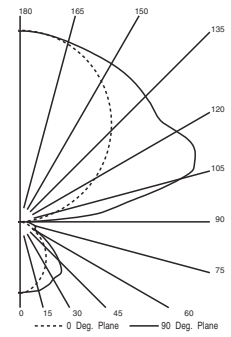
**Catalog Number:** LM3S02-SE-4-X-BW-F01M-120-T5HO

**Report Number:** LTL#14716.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector and White Aluminum Cross Baffle and Open Top

**Lamps:** Two Sylvania FP54/841/ECO Rated at 4400 Lumens Each

Total Luminaire Efficiency = 94.0%  
81% Up 19% Down



CANDELA DISTRIBUTION										FLUX
0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		
0	601	601	601	601	601	601	601	601	601	601
5	597	592	594	599	601	599	594	592	597	56.6
15	543	548	571	596	607	596	571	548	543	161.3
25	471	488	526	564	586	564	526	488	471	242.7
35	387	417	458	516	559	516	458	417	387	291.9
45	290	325	389	451	467	451	389	325	290	296.0
55	179	221	284	268	268	268	284	221	179	222.4
65	100	130	141	127	137	127	141	130	100	131.7
75	47	50	83	117	133	117	83	50	47	87.9
85	2	20	47	67	75	67	47	20	2	48.2
90	0	8	32	51	59	51	32	8	0	0
95	58	359	467	541	542	541	467	359	58	410.2
105	309	585	1101	1387	1414	1387	1101	585	309	1001.7
115	593	750	1103	1472	1601	1472	1103	750	593	1094.9
125	861	945	1185	1385	1478	1385	1185	945	861	1054.0
135	1096	1136	1302	1452	1509	1452	1302	1136	1096	1003.2
145	1297	1308	1401	1503	1545	1503	1401	1308	1297	882.6
155	1455	1451	1487	1535	1558	1535	1487	1451	1455	690.8
165	1565	1557	1562	1578	1585	1578	1562	1557	1565	443.2
175	1621	1610	1612	1616	1617	1616	1612	1610	1621	153.5
180	1621	1621	1621	1621	1621	1621	1621	1621	1621	1621

\*Use a 0.59 multiplier for T5

# LM3S02

## Indirect/Direct - T8 Lamp

### Semi-Specular Aluminum Parabolic Baffle

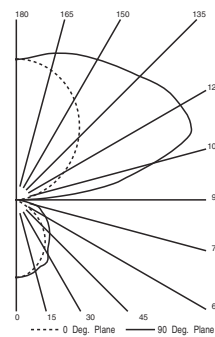
**Catalog Number:** LM3S02-SE-4-X-PB-F01M-120-T8

**Report Number:** LTL#14709.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector and Semi-Specular Parabolic Baffle and Open Top

**Lamps:** Two Sylvania F032/741/ECO Rated at 2850 Lumens Each

Total Luminaire Efficiency = 80.2%  
79% Up 21% Down



CANDELA DISTRIBUTION										FLUX
0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		
0	404	404	404	404	404	404	404	404	404	404
5	401	398	399	402	403	402	399	398	401	37.9
15	368	369	375	383	385	383	375	369	368	105.8
25	322	324	332	355	365	355	332	324	322	155.7
35	262	269	290	286	292	286	290	269	262	175.5
45	190	204	217	234	246	234	217	204	190	168.2
55	104	132	161	185	200	185	161	132	104	140.4
65	11	75	106	133	149	133	106	75	11	97.7
75	0	6	52	85	101	85	52	6	0	49.8
85	0	0	4	19	28	19	4	0	0	10.8
90	0	1	6	15	18	15	6	1	0	0
95	17	166	231	242	244	242	231	166	17	209.3
105	107	322	629	720	741	720	629	322	107	543.2
115	224	386	683	913	997	913	683	386	224	640.9
125	346	472	691	901	977	901	691	472	346	610.5
135	461	558	713	853	912	853	713	558	461	544.3
145	562	631	738	827	865	827	738	631	562	456.6
155	644	684	753	809	831	809	753	684	644	344.8
165	701	715	752	783	793	783	752	715	701	212.2
175	732	728	734	742	745	742	734	728	732	70.5
180	732	732	732	732	732	732	732	732	732	732

# LM3S02

## Indirect/Direct - T8 Lamp

### White Aluminum Cross Baffle

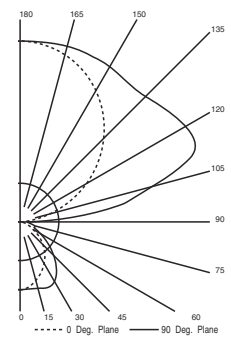
**Catalog Number:** LM3S02-SE-4-X-BW-F01M-120-T8

**Report Number:** LTL#14710.ies

**Luminaire Description:** Extruded Aluminum Housing with Specular Aluminum Reflector and White Aluminum Cross Baffle and Open Top

**Lamps:** Two Sylvania F032/741/ECO Rated at 2850 Lumens Each

Total Luminaire Efficiency = 85.5%  
81% Up 19% Down



CANDELA DISTRIBUTION										FLUX
0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0		
0	349	349	349	349	349	349	349	349	349	349
5	346	344	345	348	350	348	345	344	346	32.9
15	314	318	332	348	355	348	332	318	314	94.2
25	272	283	315	352	368	352	315	283	272	146.1
35	223	242	287	314	328	314	287	242	223	174.3
45	168	198	228	237	246	237	228	198	168	167.1
55	107	138	153	154	159	154	153	138	107	129.2
65	58	77	86	86	88	86	86	77	58	81.2
75	27	29	48	67	77	67	48	29	27	51.2
85	1	11	27	38	43	38	27	11	1	28.1
90	0	9	26	40	46	40	26	9	0	0
95	27	181	242	263	269	263	242	181	27	227.4
105	159	362	638	695	708	695	638	362	159	556.1
115	318	431	705	921	995	921	705	431	318	670.2
125	472	550	715	896	966	896	715	550	472	645.8
135	612	667	766	869	918	869	766	667	612	593.8
145	733	769	834	892	916	892	834	769	733	520.2
155	829	847	886	918	933	918	886	847	829	407.9
165	896	902	918	934	941	934	918	902	896	259.6
175	931	929	931	935	937	935	931	929	931	88.8
180	935	935	935	935	935	935	935	935	935	935



Note 1: All tests were conducted in 25° C ambient.  
Note 2: See Website for additional Photometric Reports.

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