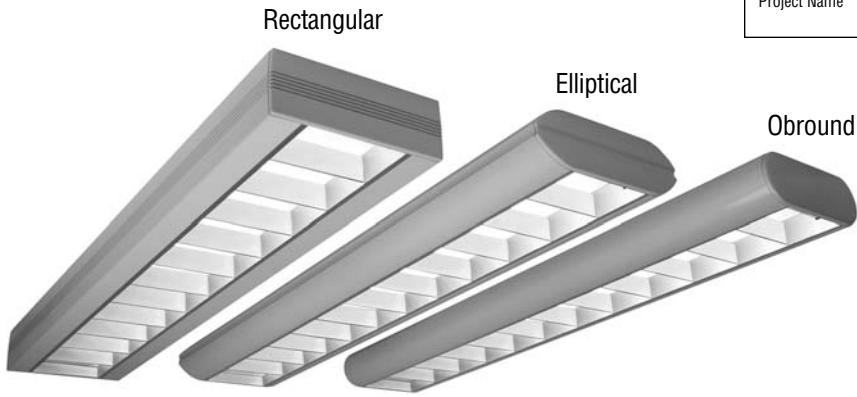


Trilinea Series™

Catalog Number	Type
Project Name	



TRS02-T8

Indirect/Direct & Direct
(T8 Lamps)

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

Housing

Two-piece .080" thick extruded aluminum. Die-cast aluminum end plates are secured with no visible fasteners. Standard lengths are 4', 8' and 12'. Provisions may be made for patterns and continuous rows of any length.

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.

Indirect Optical Controls

- (OP) Open top 60%↑ 40%↓
- (TP4) Transmittive optical panel 40%↑ 60%↓
- (TP2) Transmittive optical panel 20%↑ 80%↓
- (SP) Solid aluminum panel 0%↑ 100%↓

Direct Optical Controls

- (PB4) 1 1/2" deep semi-specular aluminum parabolic baffle with blades on 4" centers
- (PB3) 1 1/2" deep semi-specular aluminum parabolic baffle with blades on 3" centers

- (PBW) 1 1/2" deep white aluminum parabolic baffle with blades on 4" centers

Reflectors

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

Ballast

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

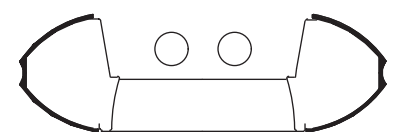
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

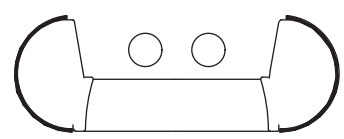
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

Certification

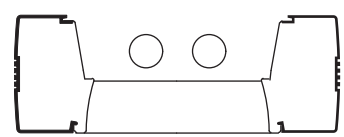
All fixtures are UL/CUL listed for use in "Dry Applications". "Damp Location" is optional.



TRS02-E
11" x 3 1/2"



TRS02-O
9 3/4" x 3 1/2"



TRS02-R
9 3/4" x 3 1/2"

Series TRS02	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) J = Ceiling (With "SP" Optical Control only)
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TRS02-0-12-CT-TP4/PB4-F01M-V-T8-[]

Housing Style	Indirect Optical Controls	Direct Optical Controls	Standard Finishes	Voltage	Lamp Type	Options
E Elliptical	OP 60%↑ 40%↓	PB4 (4" O.C.) Semi-Specular Parabolic Baffle	F01M Matte White Premium Finishes F01G Gloss White	120	T8	SS-L/R (Left/Right) Lamp Row Switching (Common Neutral Utilized)
O Obround	TP4 40%↑ 60%↓	PB3 (3" O.C.) Semi-Specular Parabolic Baffle	F02 Ivory F03 Stonewash F04 Camel F05 Gray Day F06 Pebble Beach F07 Steel F08 Gray Seal F09 Mocha F10 Bronzed F11 Black F12 Ultrasonic Clear	277		Dim Dimming FS Fused Ballasts
R Rectangular	TP2 20%↑ 80%↓ SP 0%↑ 100%↓	PB4 (4" O.C.) White Parabolic Baffle	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	347		NLCKT Separate Night Light Circuit EMCKT Separate Emergency Circuit EBPL Emergency Battery Pack (635-700 Lumens) EBPH Emergency Battery Pack (975-1325 Lumens)
						GTD Generator Transfer Device DC Clear Extruded 100% DR Acrylic Dust Cover AO Translucent White Acrylic Overlay



TRS02-T8

Indirect/Direct & Direct

Upper Optics - Open

Lower Optics - Semi-Specular Baffle

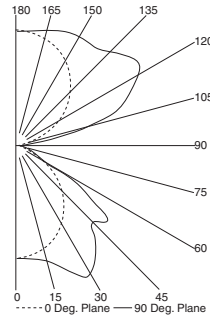
Catalog Number: TRS02-X-4-X-OP/PB4-F01G-120-T8

Report Number: LTL #07101.ies

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

Lamps: Two Philips F32T8/TL841 Rated at 2850 Lumens Each

Total Luminaire Efficiency = 89.1%
60% Up 40% Down



CANDELA DISTRIBUTION

		LUMENS				
		0.0	22.5	45.0	67.5	90.0
0	680	680	680	680	680	680
5	672	677	682	678	679	65
15	639	651	674	696	710	191
25	577	607	690	802	851	326
35	494	559	753	808	822	434
45	393	521	631	633	652	448
55	270	421	437	549	559	402
65	100	162	193	142	148	164
75	9	15	19	25	25	26
85	0	0	0	0	0	2
90	0	0	0	0	0	0
95	19	70	14	0	0	52
105	105	315	445	442	418	375
115	224	364	641	733	760	549
125	342	444	627	823	893	559
135	452	522	642	741	795	489
145	543	591	676	734	753	415
155	619	644	695	732	746	318
165	668	678	700	714	722	198
175	696	692	697	696	697	66
180	692	692	692	692	692	692

Upper Optics - TP4 Panel

Lower Optics - Semi-Specular Baffle

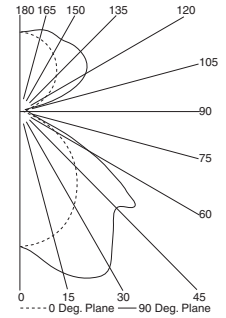
Catalog Number: TRS02-X-4-X-TP4/PB4-F01G-120-T8

Report Number: LTL #07195.ies

Luminaire Description: Extruded Aluminum Housing with Specular Aluminum Reflector and Semi-Specular Aluminum Baffle Transmittive Optical Panel on Top

Lamps: Two Philips F32T8/TL841 Rated at 2850 Lumens Each

Total Luminaire Efficiency = 76.7%
40% Up 60% Down



CANDELA DISTRIBUTION

		LUMENS				
		0.0	22.5	45.0	67.5	90.0
0	790	790	790	790	790	790
5	785	798	813	821	829	79
15	754	815	900	959	977	251
25	685	810	938	1033	1068	424
35	591	770	933	953	953	535
45	473	679	739	763	806	549
55	340	519	555	692	718	508
65	131	204	269	259	275	235
75	11	19	22	28	29	30
85	1	1	1	1	1	2
90	0	0	0	0	0	0
95	5	14	17	17	17	20
105	56	116	153	160	160	142
115	142	213	316	354	365	279
125	228	283	380	462	489	331
135	304	351	420	477	501	318
145	365	404	443	480	497	277
155	414	442	471	489	495	214
165	449	455	481	490	498	134
175	463	462	469	469	469	45
180	464	464	464	464	464	464

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	93	93	93	93	85	85	85	85	70	70	70	55	55	55	42	42	42	36	36	36	36
1	86	83	79	77	78	75	73	70	62	60	59	50	49	48	39	38	37	32	32	32	32
2	79	73	68	64	72	67	63	59	55	52	50	45	43	41	35	34	33	28	28	28	28
3	72	65	59	54	66	59	54	50	49	46	42	40	37	35	31	30	28	24	24	24	24
4	66	57	51	46	60	53	47	42	44	40	36	36	33	30	28	26	25	21	21	21	21
5	61	51	44	39	55	47	41	36	39	34	31	32	29	26	25	23	21	18	18	18	18
6	56	45	38	33	51	42	36	31	35	30	27	28	25	23	22	20	18	16	16	16	16
7	51	40	34	29	46	37	31	27	31	27	23	26	22	19	20	18	16	13	13	13	13
8	47	36	29	25	43	33	27	23	28	23	20	23	19	17	18	16	14	11	11	11	11
9	43	33	26	21	39	30	24	20	25	20	17	20	17	14	16	14	12	10	10	10	10
10	40	29	23	19	37	27	21	18	23	18	15	19	15	13	15	12	10	8	8	8	8

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
0	84	84	84	84	78	78	78	78	68	68	68	59	59	59	50	50	50	46	46	46	46
1	78	75	72	70	73	70	68	66	61	60	58	53	52	51	46	45	44	41	41	41	41
2	72	66	62	58	67	62	59	55	55	52	50	48	46	44	41	40	39	36	36	36	36
3	66	59	54	50	61	55	51	47	49	45	43	43	40	38	37	35	34	31	31	31	31
4	60	52	47	42	56	49	44	40	44	40	36	38	35	33	33	31	29	27	27	27	27
5	55	46	40	36	51	44	38	34	39	34	31	34	31	28	30	27	25	23	23	23	23
6	51	41	35	31	47	39	34	30	35	30	27	31	27	24	27	24	22	20	20	20	20
7	46	37	31	27	43	35	29	26	31	27	23	27	24	21	24	21	19	17	17	17	17
8	43	33	27	23	40	31	26	22	28	23	20	25	21	18	21	18	16	15	15	15	15
9	39	30	24	20	37	28	23	19	25	20	17	22	18	16	19	16	14	12	12	12	12
10	36	27	21	17	34	25	20	17	23	18	15	20	16	14	17	14	12	11	11	11	11

QUICK SELECTION TABLE

Number of 4' luminaires required for initial illumination of 50 footcandles

Luminaire suspension length = 18" Working Plane Height = 30" Floor Reflectance = .20

Room HT	8				9				10				12								
	Ceil RF		80		70		80		70		80		70		80		70				
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
10. 10.	2	2	2	2	2	2	2	3	2	2	3	3	2	3	3	4	4	4	4	4	4
10. 15.	2	3	3	3	3	3	3	3	3	3	4	4	3	4	4	5	5	5	5	5	5
15. 20.	4	4	5	5	4	5	5	5	4	5	5	6	5	5	6	7	7	7	7	7	7
15. 30.	6	6	6	7	6	6	7	7	6	7	7	8	6	7	8	9	9	9	9	9	9
20. 20.	5	5	6	6	5	6	6	7	5	6	6	7	6	7	7	8	8	8	8	8	8
20. 30.	7	7	8	8	7	8	8	9	7	8	9	10	8	9	10	11	11	11	11	11	11
20. 40.	9	10	10	11	9	10	11	11	10	10	11	12	10	11	12	13	13	13	13	13	13
20. 60.	13	14	15	16	13	14	15	16	14	15	16	17	15	16	17	18	18	18	18	18	18
30. 30.	10	10	11	12	10	11	12	12	11	11	12	13	11	12	13	14	14	14	14	14	14
30. 40.	13	14	15	15	13	14	15	16	14	14	16	17	14	16	17	18	18	18	18	18	18
30. 50.	16	17	18	19	16	17	19	19	17	18	19	20	17	19	20	22	22	22	22	22	22
30. 60.	19	20	21	22	19	20	22	23	20	21	23	24	21	22	24	26	26	26	26	26	26
60. 60.	36	37	41	42	37	38	42	43	37	39	42	44	38	40	44	46	46	46	46	46	46
60. 80.	48	49	53	55	48	50	54	56	49	51	55	57	50	53	57	60	60	60	60	60	60
60. 100.	59	61	66	68	60	62	67	69	61	63	69	70	62	65	71	74	74	74	74	74	74
100. 100.	97	99	108	110	98	100	110	112	99	101	111	113	101	104	114	117	117	117	117	117	117

QUICK SELECTION TABLE

Number of 4' luminaires required for initial illumination of 50 footcandles

Luminaire suspension length = 18" Working Plane Height = 30" Floor Reflectance = .20

Room HT	8				9				10				12								
	Ceil RF		80		70		80		70		80		70		80		70				
	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30	
10. 10.	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	4	4	4	4	4	4
10. 15.	3	3	3	3	3	3	3	4	3	3	4	4	3	4	4	5	5	5	5	5	5
15. 20.	4	5	5	5	4	5	5	6	4	5	5	6	5	5	6	7	7	7	7	7	7
15. 30.	6	6	7	7	6	7	7	8	6	7	7	8	7	7	8	9	9	9	9	9	9
20. 20.	5	6	6	6	6	6	6	7	6	6	6	7	6	6	7	7	7				