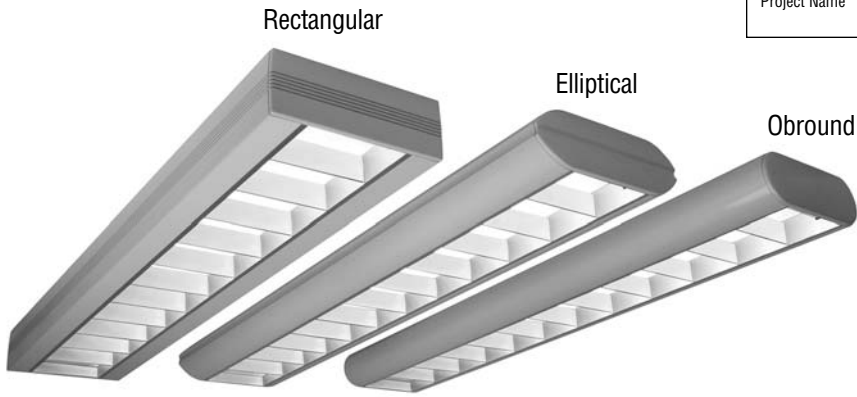


Trilinea Series™

Catalog Number	Type
Project Name	



TRS04-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

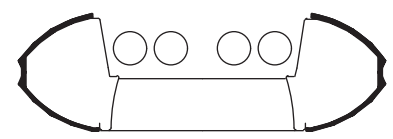
All fixtures intended for continuous rows are provided with factory installed quick-connect wiring.

Controls

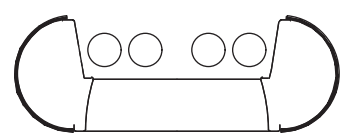
Contact factory for control by Occupancy Sensors, Photo Controls and Daylight Harvesting.

Certification

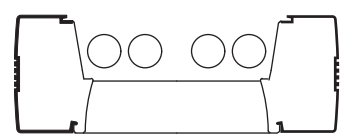
All fixtures are UL/CUL listed for use in "Dry Applications". "Damp Location" is optional.



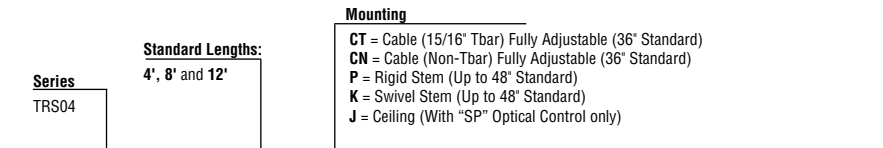
TRS04-E
11" x 3 1/2"



TRS04-O
9 3/4" x 3 1/2"



TRS04-R
9 3/4" x 3 1/2"



TRS04-0-12-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	120	T8	SS-I/O (Inboard/Outboard) Lamp Row Switching (Common Neutral Utilized)
O Obround	TP4 40%↑ 60%↓	PB3 (3" O.C.) Semi-Specular Parabolic Baffle	F01G Gloss White	277		NLCKT Separate Night Light Circuit
R Rectangular	TP2 20%↑ 80%↓	PBW (4" O.C.) White Parabolic Baffle	F02 Ivory	347		EMCKT Separate Emergency Circuit
	SP 0%↑ 100%↓		F03 Stonewash			EBPL Emergency Battery Pack (635-700 Lumens)
			F04 Camel			EBPH Emergency Battery Pack (975-1325 Lumens)
			F05 Gray Day			AO Translucent White Acrylic Overlay
			F06 Pebble Beach			
			F07 Steel			
			F08 Gray Seal			
			F09 Mocha			
			F10 Bronzed			
			F11 Black			
			F12 Ultrasonic Clear			
			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			



TRS04-T8

Indirect/Direct & Direct

Upper Optics - Open

Lower Optics - Semi-Specular Baffle

Catalog Number: TRS04-X-4-OP/PB4-F01G-120-T8

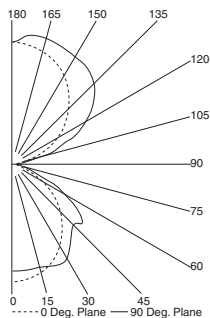
Report Number: LTL #07107.ies

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

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

Total Luminaire Efficiency = 86.9%

60% Up 40% Down



CANDELA DISTRIBUTION

LUMENS

	0.0	22.5	45.0	67.5	90.0	
0	1589	1589	1589	1589	1589	
5	1582	1585	1589	1583	1586	151
15	1500	1513	1518	1509	1511	427
25	1366	1373	1381	1448	1488	652
35	1185	1182	1300	1336	1361	796
45	948	980	1068	1109	1158	819
55	676	754	821	1007	1059	766
65	261	325	452	507	534	410
75	26	29	39	39	38	50
85	3	5	5	5	6	5
90	0	0	0	0	0	
95	49	96	71	46	39	88
105	271	463	494	483	476	480
115	549	773	905	930	929	827
125	826	1014	1208	1282	1301	1022
135	1080	1243	1412	1514	1550	1058
145	1292	1438	1543	1626	1665	955
155	1458	1602	1658	1697	1710	755
165	1577	1675	1740	1746	1752	483
175	1637	1652	1687	1705	1711	161
180	1638	1638	1638	1638	1638	

Upper Optics - TP4 Panel

Lower Optics - Semi-Specular Baffle

Catalog Number: TRS04-X-4-TP4/PB4-F01G-120-T8

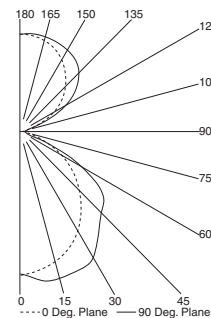
Report Number: LTL #07213.ies

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

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

Total Luminaire Efficiency = 69.2%

40% Up 60% Down



CANDELA DISTRIBUTION

LUMENS

	0.0	22.5	45.0	67.5	90.0	
0	1607	1607	1607	1607	1607	
5	1599	1605	1623	1629	1638	155
15	1521	1581	1671	1691	1703	464
25	1391	1509	1579	1654	1685	725
35	1204	1333	1454	1484	1517	883
45	975	1120	1190	1239	1295	906
55	700	835	890	1012	1059	802
65	275	356	451	505	535	420
75	31	34	42	44	42	53
85	7	7	8	8	7	10
90	3	6	6	7	7	
95	18	27	29	29	30	34
105	143	197	205	202	198	207
115	346	433	486	497	493	454
125	546	625	716	752	759	613
135	722	782	875	929	945	659
145	868	919	971	1023	1041	605
155	983	1020	1050	1070	1079	481
165	1056	1076	1102	1110	1113	309
175	1093	1091	1102	1105	1106	105
180	1090	1090	1090	1090	1090	

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0	
0	91	91	91	91	83	83	83	83	68	68	68	54	54	54	42	42	36
1	84	81	78	75	77	74	71	69	61	59	57	49	48	47	38	37	32
2	77	71	66	62	70	65	61	58	54	51	49	44	42	40	34	33	28
3	71	63	57	53	64	58	53	49	48	45	42	39	37	35	31	29	24
4	65	56	49	45	59	51	46	42	43	39	36	35	32	30	28	26	21
5	59	50	43	38	54	46	40	35	38	34	30	31	28	26	25	23	18
6	54	44	37	33	49	41	35	30	34	30	26	28	25	22	22	20	16
7	50	40	33	28	46	37	31	26	31	26	23	25	22	19	20	18	13
8	46	36	29	24	42	33	27	23	28	23	20	23	19	17	18	16	12
9	42	32	26	21	39	30	24	20	25	20	17	20	17	15	16	14	10
10	39	29	23	19	36	27	21	18	23	18	15	19	15	13	15	12	9

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80			70			50			30			10			0	
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0	
0	75	75	75	75	70	70	70	70	60	60	60	51	51	51	43	43	39
1	69	67	64	62	65	62	60	58	54	52	51	46	45	44	39	38	34
2	64	59	55	52	59	55	52	49	48	46	44	41	40	38	35	34	30
3	59	53	48	44	55	49	45	42	43	40	37	37	35	33	30	29	26
4	54	47	42	38	50	44	39	36	38	35	32	33	31	29	29	27	23
5	49	42	36	32	46	39	34	31	34	30	28	30	27	25	26	23	20
6	45	37	32	28	42	35	30	26	31	27	24	27	24	21	23	21	17
7	42	33	28	24	39	31	26	23	28	24	21	24	21	19	21	18	15
8	38	30	24	21	36	28	23	20	25	21	18	22	18	16	19	16	14
9	35	27	22	18	33	25	20	17	22	18	16	19	16	14	17	14	11
10	33	24	19	16	30	23	18	15	20	16	14	18	14	12	15	13	10

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		70		80		70		80		70		80		70		
	Wall RF	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
10. 10.	1	1	1	1	1	1	1	2	2	1	1	2	2	1	2	2	2
10. 15.	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
15. 20.	2	2	3	3	2	3	3	3	2	3	3	3	2	3	3	3	4
15. 30.	3	3	4	4	3	3	4	4	3	4	4	4	3	4	4	4	5
20. 20.	3	3	3	3	3	3	3	4	3	3	4	4	3	4	4	4	4
20. 30.	4	4	4	5	4	4	5	5	4	4	5	5	4	5	5	6	6
20. 40.	5	5	6	6	5	5	6	6	5	6	6	6	5	6	7	7	7
20. 60.	7	7	8	8	7	8	8	9	7	8	9	9	7	8	9	9	10
30. 30.	5	6	6	6	5	6	6	7	6	6	7	7	6	7	7	8	8
30. 40.	7	7	8	8	7	7	8	8	7	8	8	9	8	8	9	10	11
30. 50.	8	9	9	10	9	9	10	10	9	9	10	11	9	9	10	11	11
30. 60.	10	10	11	12	10	11	12	12	10	11	12	12	11	12	13	13	13
60. 60.	19	19	21	22	19	20	21	22	19	20	22	23	20	21	23	24	24
60. 80.	25	25	28	28	25	26	28	29	25	26	29	29	26	27	30	31	31
60. 100.	31	31	34	35	31	32	35	36	31	32	35	36	32	33	36	38	38
100. 100.	50	51	56	56	51	52	56	57	51	52	57	58	52	54	59	60	60

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		70		80		70		80		70		80		70		
	Wall RF	70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
10. 10.	1	1	1	2	1	2	2	2	1	2	2	2	2	2	2	2	2
10. 15.	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3
15. 20.	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4
15. 30.	4	4	4	4	4	4	4	5	4	4	5	4	4	5	5	5	6
20. 20.	3	3	4	4	3	4	4	4	3	4	4	4	3	4	4	4	4
20. 30.	5	5	5	5	5	5	5	6	5	5	6	5	5	6	5	6	7
20. 40.	6	6	6	7	6	6	7	7	6	7	7	7	6	7	7	8	8
20. 60.	8	9	9	10	9	9	10	10	9	9	10	11	9	9	10	11	12
30. 30.	6	7	7	7	7	7	7	8	7	7	8	8	7	7	8	8	9
30. 40.	8	9	9	9	8	9	9	10	9	9	10	10	9	9	10	10	11
30. 50.	10	10	11	12	10	11	11	12	10	11	11	12	10	11	12	12	13
30. 60.	12	12	13	14	12	13	14	14	12	13	14	15	13	14	15	16	16
60. 60.	23	23	25	25	23	24	25	26	23	24	26	27	24	25	27	28	28
60. 80.	30	30	33	33	30	31	33	34	31	32	34	35	31	3			