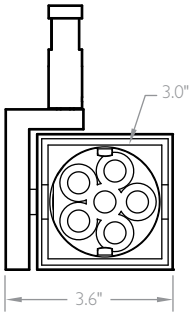
TL

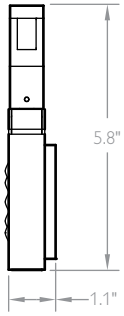
Translite LED, 24V DC LED Track Heads

Project:	Catalog No:	Mfg:
Location:	Fixture Type:	Qty:
Notes:		Lamps:

Front



Side



Ordering information

example: TLC4RTS30FAL

TL				**30**		
Series	**Fixture type**	**System connector**	**Stem type**	**CCT**	**Beam spread**	**Finish**
TL Translite LED	**C4** Cylinder 40 **C5** Cylinder 50 **RD** Round disc **SD** Square disc	**BTC** Basis ceiling **CA4** 4" Cable **CA6** 6" Cable **RT** Recessed track **NS** No system connector (for monopoints)	**S** Straight stem[1] **L** L stem[2]	**30** 3000K	**S** Spot[2] **M** Medium **F** Flood	**AL** Satin aluminum **PN** Polished nickel **RB** Rubbed bronze **GB** Gloss black **WH** White

Features

- Uses Transjack connector to mount to Translite low voltage systems and monopoints.
- Watt/Lumen efficacy:
  - 9W/530 lumens (C4)
  - 17W/700 lumens (C5)
  - 14W/800 lumens (RD & SD)
- Beam spreads:
  - 25°, 46° (C4)
  - 13°, 28°, 45° (C5)
  - 12°, 20°, 30° (RD & SD)
- Driver:
  - 96W Max
  - 120-277V input voltage
  - 24V DC output
  - 0.95 power factor
  - 0-10V dimming
- CCT: Available in 3000K
- CRI: 80+
- Voltage: 24V DC
- Dimmability: 0-10V
- 50,000 hour rated life (L70)
- 5 year warranty

Monopoints

- For TLMP20 reference MPTIA monopoint for dimensions.

Series	Watts	Amps	Volts	Freq.
24V	20W	0.35A	120V	60Hz

- For TLMPRR and TLMPRS reference MPTI-S-R-R-R and MPTI-S-R-S for dimensions (use with TLR100).

Accessories

Series			**Finish**
TLMPRR 2" Round (2 ¼")[3] **TLMPRS** 2" Square (2 ¼")[3] **TLMP20** 20W capacity (4 ¾" dia.)[4]		Monopoint	**AL** Satin aluminum **PN** Polished nickel **RB** Rubbed bronze **GB** Gloss black **WH** Matte white
TLR100 Remote Mount[5] **TLS100** Surface Mount		96W capacity	**AL** Satin aluminum **BK** Matte black **WH** Matte white
TL995 Honeycomb Louver[1]		for Cylinder	**40** Cylinder 40 **50** Cylinder 50

1. Only available with **C4** & **C5** fixture types.
2. Not available with **C5** fixture type.
3. Equiped with a 96W capacity power supply (for use with Remote Mount).
4. Equiped with an integral power supply.
5. Only available in **BK** finish.

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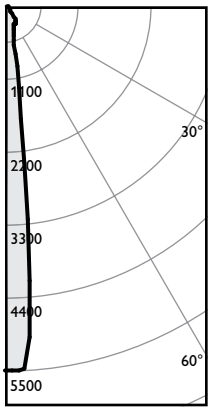
13° Spot, 700lms, 3000K, SWH

Candella Curves



Trim: TLC5BTCL30SWH

Report no[3]:	39GFR
Output lumens:	708 lms
CCT[1]:	0K
Input watts[2]:	0 W
Efficacy:	0 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.24

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	559	78.9
0-40	680	95.9
0-60	699	98.7
0-90	708	100

Angle	Mean CP	Lumens
0	5458	
5	4147	
10	952	
15	472	
20	367	
25	323	
30	299	
35	222	
40	29	
45	10	
50	12	
55	12	
60	7	
65	4	
70	3	
75	3	
80	2	
85	2	
90	0	

Coefficients of utilization

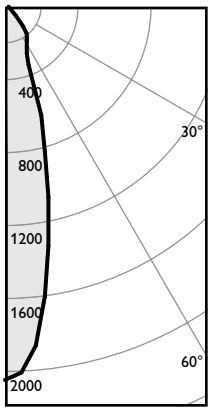
Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	114	112	110	108	110	106	106	103	102	100	95
2	110	106	102	99	104	98	101	96	98	94	91
3	106	100	96	93	99	92	96	90	94	89	86
4	102	95	91	87	94	87	92	86	90	85	82
5	98	91	86	83	90	82	88	82	87	81	79
6	94	87	82	79	86	78	85	78	84	77	76
7	91	84	78	75	83	75	82	75	81	74	73
8	88	80	76	72	80	72	79	72	78	72	70
9	85	78	73	70	77	70	76	69	76	69	68
10	83	75	70	67	75	67	74	67	73	67	66

Room Cavity Ratio

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

28° Medium, 630lms, 3000K, MWH

Candella Curves



Trim: TLC5BTCL30MWH

Report no[3]:	40GFR
Output lumens:	631 lms
CCT[1]:	0K
Input watts[2]:	0 W
Efficacy:	0 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.44

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	517	82.0
0-40	608	96.4
0-60	623	98.9
0-90	631	100

Angle	Mean CP	Lumens
0	2062	
5	1881	
10	1354	
15	848	
20	362	
25	266	
30	222	
35	166	
40	31	
45	10	
50	9	
55	7	
60	5	
65	4	
70	3	
75	2	
80	2	
85	1	
90	0	

Coefficients of utilization

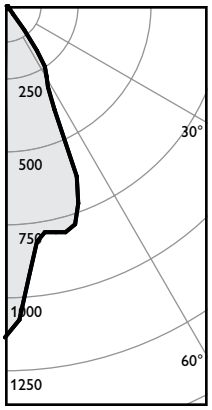
Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	114	112	109	108	110	106	106	103	102	100	95
2	109	105	102	99	104	98	100	96	97	94	90
3	105	100	95	92	98	91	96	90	93	88	86
4	101	95	90	86	93	86	91	85	80	84	82
5	97	90	85	82	89	81	87	80	86	80	78
6	93	86	81	77	85	77	84	77	83	76	74
7	90	82	77	74	82	74	80	73	79	73	71
8	87	79	74	71	78	70	77	70	76	70	68
9	84	76	71	68	75	68	75	67	74	67	66
10	81	73	68	65	73	65	72	65	71	65	63

Room Cavity Ratio

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

45° Flood, 630lms, 3000K, FWH

Candella Curves



Trim: TLC5BTCL30FWH

Report no[3]:	41GFR
Output lumens:	633 lms
CCT[1]:	0K
Input watts[2]:	0 W
Efficacy:	0 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.76

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	500	79.1
0-40	604	95.4
0-60	624	98.6
0-90	633	100

Angle	Mean CP	Lumens
0	1108	
5	909	
10	768	
15	784	
20	705	
25	386	
30	271	
35	183	
40	39	
45	14	
50	11	
55	8	
60	6	
65	5	
70	4	
75	3	
80	2	
85	1	
90	0	

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	114	111	109	106	109	105	105	102	101	99	94
2	108	104	100	97	102	96	99	93	96	91	88
3	103	97	93	89	96	88	93	87	91	85	83
4	99	91	86	82	90	82	88	81	86	80	78
5	94	86	81	77	85	76	84	76	82	75	73
6	90	81	76	72	81	72	79	71	78	71	69
7	86	77	71	68	76	67	75	67	74	67	65
8	82	73	68	64	73	64	72	63	71	63	61
9	79	69	64	60	69	60	68	60	67	60	58
10	75	66	61	57	66	57	65	57	64	57	55

Room Cavity Ratio

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

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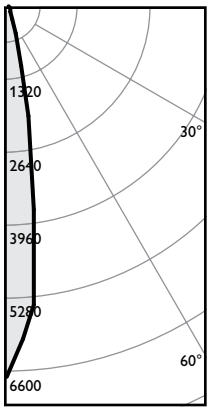
12° Spot, 800lms, 3000K, SAL

Candella Curves



Trim: TLSDBTCL30SAL

Report no[3]:	9GFR
Output lumens:	797 lms
CCT[1]:	0K
Input watts[2]:	12.7 W
Efficacy:	63 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.28

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	637	79.9
0-40	659	82.7
0-60	719	90.2
0-90	797	100

Angle	Mean CP	Lumens
0	6664	
5	5402	
10	2064	
15	572	
20	189	
25	77	
30	44	
35	35	
40	33	
45	30	
50	35	
55	40	
60	43	
65	42	
70	38	
75	29	
80	16	
85	6	
90	2	

Coefficients of utilization

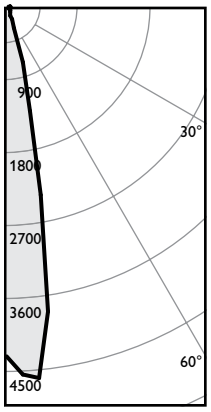
Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	113	111	108	106	108	104	104	101	101	98	93
2	108	104	100	97	102	95	99	93	96	91	88
3	104	98	94	90	97	89	94	88	92	87	84
4	100	94	89	85	93	85	91	84	89	83	81
5	97	90	85	82	89	81	88	81	86	80	78
6	95	87	83	79	87	79	85	78	84	78	76
7	92	85	80	77	84	77	83	76	82	76	74
8	90	83	78	75	82	75	81	74	80	74	73
9	88	81	76	73	80	73	79	73	79	73	72
10	86	79	75	72	79	72	78	72	77	71	70

Room Cavity Ratio

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

20° Medium, 770lms, 3000K, MAL

Candella Curves



Trim: TLSDBTCL30MAL

Report no[3]:	7GFR
Output lumens:	773 lms
CCT[1]:	0K
Input watts[2]:	12.7 W
Efficacy:	61 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.38

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	621	80.3
0-40	647	83.7
0-60	705	91.1
0-90	773	100

Angle	Mean CP	Lumens
0	4249	
5	4536	
10	2329	
15	707	
20	177	
25	86	
30	55	
35	40	
40	35	
45	35	
50	34	
55	33	
60	35	
65	38	
70	33	
75	25	
80	14	
85	5	
90	1	

Coefficients of utilization

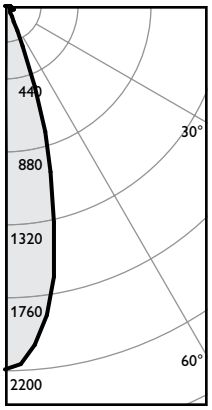
Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	102	102	100
1	114	111	108	106	109	104	105	101	97	95	93
2	109	104	100	97	102	96	99	94	93	90	88
3	104	98	94	90	97	90	94	88	90	86	84
4	101	94	89	86	93	85	91	84	87	82	81
5	97	90	85	82	89	81	88	81	85	79	78
6	94	87	82	79	86	79	85	78	83	77	76
7	92	85	80	77	84	76	83	76	81	75	74
8	90	82	78	74	82	74	81	74	79	73	72
9	87	80	76	73	80	73	79	72	77	72	71
10	85	78	74	71	78	71	77	71	76	71	70

Room Cavity Ratio

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

30° Flood, 750lms, 3000K, FAL

Candella Curves



Trim: TLSDBTCL30FAL

Report no[3]:	8GFR
Output lumens:	757 lms
CCT[1]:	0K
Input watts[2]:	12.7 W
Efficacy:	60 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.50

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	561	74.2
0-40	591	78.2
0-60	667	88.1
0-90	757	100

Angle	Mean CP	Lumens
0	2193	
5	2051	
10	1659	
15	1044	
20	515	
25	166	
30	72	
35	47	
40	37	
45	40	
50	45	
55	50	
60	52	
65	50	
70	43	
75	32	
80	18	
85	7	
90	1	

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	112	109	106	103	107	102	103	99	99	96	91
2	106	101	96	92	99	91	96	89	92	87	84
3	101	94	88	84	92	83	90	82	87	81	78
4	96	88	82	78	87	77	85	77	83	76	73
5	92	83	78	73	83	73	81	72	79	72	69
6	88	79	74	69	79	69	77	69	76	68	66
7	85	76	70	66	75	66	74	66	73	65	64
8	82	73	67	63	72	63	71	63	70	63	61
9	79	70	65	61	70	61	69	61	68	61	59
10	77	68	62	59	67	59	67	59	66	59	57

Room Cavity Ratio

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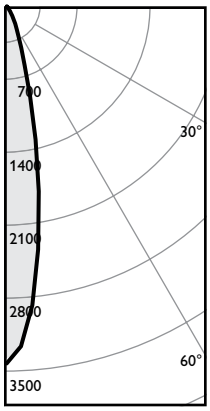
25° Medium, 700lms, 3000K, AL

Candella Curves



Trim: TLC4BTCS30SAL

Report no[3]:	66GFR
Output lumens:	707 lms
CCT[1]:	0K
Input watts[2]:	0 W
Efficacy:	0 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.4

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	611	86.34
0-40	665	94.06
0-60	702	99.23
0-90	707	100

Angle	Mean CP	Lumens
0	3440	
5	2896	241
10	1813	
15	892	254
20	425	
25	245	116
30	146	
35	84	55
40	49	
45	30	24
50	20	
55	14	12
60	8	
65	4	4
70	2	
75	1	1
80	0	
85	0	0
90	0	

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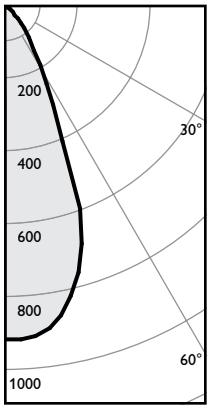
46° Flood, 530lms, 3000K, AL

Candella Curves



Trim: TLC4BTCS30FAL

Report no[3]:	4GFR
Output lumens:	529 lms
CCT[1]:	0K
Input watts[2]:	9 W
Efficacy:	59 lm/w
CRI[4]:	0 min
Spacing Crit.:	0.76

Zonal lumens & percentages

Zone	Lumens	%Luminaire
0-30	430	81.0
0-40	495	93.4
0-60	526	99.1
0-90	531	100

Angle	Mean CP	Lumens
0	892	
5	886	
10	840	
15	736	
20	577	
25	288	
30	181	
35	100	
40	55	
45	30	
50	13	
55	6	
60	4	
65	3	
70	2	
75	1	
80	0	
85	0	
90	0	

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal cavity method - Effective floor reflectance = 20%										
0	119	119	119	119	116	116	106	106	102	102	100
1	114	111	109	107	109	105	101	99	98	96	94
2	109	104	101	97	103	96	96	92	94	90	89
3	104	98	93	90	97	89	92	86	90	85	84
4	99	92	87	84	91	83	87	81	85	80	79
5	95	87	82	78	86	78	83	76	82	76	74
6	91	83	77	74	82	73	79	72	78	72	71
7	87	79	73	69	78	69	76	69	75	68	67
8	83	75	69	66	74	66	72	65	71	65	64
9	80	71	66	62	71	62	69	62	68	62	61
10	77	68	63	59	68	59	66	59	66	59	58

Room Cavity Ratio

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