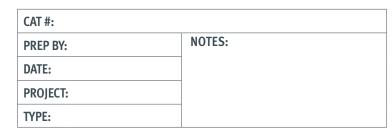
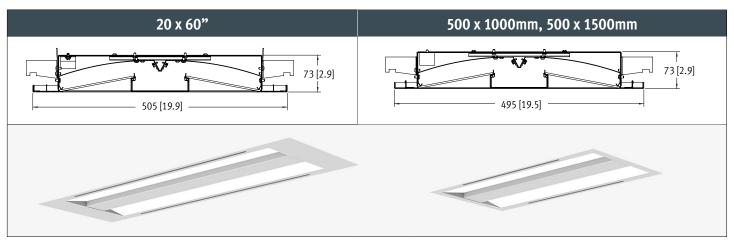
TC9

LED. Recessed









ORDERING LOGIC

TC9					
Model Color Te	mp Size Optics	Finish LL/Driver	Circuitry Mounting	Voltage Con	trols Options
Color Temp	Optics	Light Level (LL)/Driver	Circuitry	Controls	Options
2L30K = 3000K	MW = Meta Ice Wide	Performance at 3500K 0-10V Dimming (Standard)	1 = 1 Circuit (Standard)	<pre>- None (leave space empty)</pre>	90 = 90 CRI
2L35K = 3500K	MPBW = Meta Ice w/ Perforated Basket Wide	Light Lumens Level Delivered Wattage Efficacy	EM = Emergency/Night Light (Consult factory)	D = Daylight Sensor	AIR = Air in / Air Return
2L40K = 4000K	Finish	L1 See page 2 for complete	B = Battery Pack	0 = Occupancy Sensor	= None / No Air (leave space empty)
Size	W = White	L3 chart	Mounting	DO = Daylight / Occupancy Sensor	
2060 = 20 x 60 in	C = Custom Finish Specify RAL#:	Lumen Adjustment Factor	T = Recessed T-Bar	CLM = Control Light Module	
510 = 500 x 1000 mm		Color Temp 80 CRI 90 CRI 3000K 0.984 0.873	Voltage	WCM = Wireless Control Module	
515 = 500 x 1500 mm		3500K 1.000 0.875	1 = 120 V		
		4000K 1.032 0.879	2 = 277 V		
			3 = 347 V		
			4 = UNV (120-277 V)		

SPECIFICATIONS

Due to the Continuous Improvement Policy at Metalumen, we reserve the right to change our specifications without notice.

Housing: This luminaire is 65% post-industrial recycled content with a 20 gauge cold rolled steel body construction and spot welded. Optical System: continuum of smooth consistent light. Optical System MetaLED mid flux LED technology transmits to an internal high performance reflector. Light then passes through our Meta Ice acrylic center channel or perforated metal basket with Meta Ice inlay and side panels for a smooth distribution. This creates a continuum of smooth consistent light. Optical System: Optical System MetaLED mid flux LED technology transmits to an internal high performance, side-kicking reflector

that then passes through our Meta Ice acrylic diffuser for smooth distribution. This creates a

CRI: 84 (4000K) (80 minimum) Lumen Maintenance: At an ambient operating

temperature of 35°C the LED lifetime expectancy => 60 000hrs at L86. Finish: Powder coated white. Consult factory for

custom finish. **Weight:** 20×60 " = 29 lbs / 13.15 kg

500 x 1000 mm = 20 lbs / 9.1 kg 500 x 1500 mm = 29 lbs / 13.2 kg

Mounting: Mounting brackets/clips provided. Recessed TC9 can fit 9/16" and 15/16" T-Bars, maximum height of 1.5".

Electrical: Factory prewired.

Drivers: Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming range is down to 1%. Power factor @ full load is > 90% with a Class 2 rating.

Lutron Driver Options: Consult factory for Lutron driver options:

- L3DAE Hi-lume 1% EcoSystem LED Driver
- L3DA3W Hi-lume 1% 3-wire LED Driver

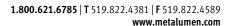
- LTEA2W Hi-lume 1% 2-wire LED Driver
- LDE1 Hi-lume 1% -H EcoSystem LED Driver
- LDE5 5-Series EcoSystem LED Driver Approvals: Certified to NRTL and IES testing standards. All components are UL recognized or listed and ROHS.

Environment: Suitable for damp or dry locations.

APPROVALS: Signature

Date _

FILE NAME: TC9_LED_T_SPEC_SHEET_201804011





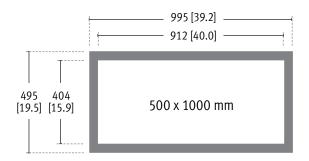
WARRANTY

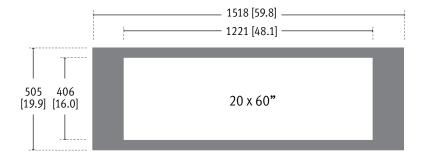
Metalumen will warrant defective luminaires for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specification. If defective, Metalumen will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

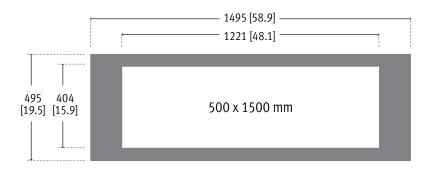
LIGHT LEVELS and PERFORMANCE

	1:	20 x 60"			50	00 x 1000 m	ım	500 x 1500 mm		
Optics	Light Level	Lumens Delivered	Wattage	Efficacy (lms/W)	Lumens Delivered	Wattage	Efficacy (lms/W)	Lumens Delivered	Wattage	Efficacy (lms/W)
	L1	3555	27.6	128	2655	20.7	128	3525	27.6	127
MW	L2	4381	35.2	124	3273	26.42	123	4346	35.23	123
Meta Ice Wide	L3	5852	48.3	121	4371	36.23	120	5803	48.3	120
	L4	10779	96.6	111	8052	72.45	111	10690	96.6	110
	L1	2343	27.6	84	1749	20.7	84	2444	27.6	88
MPBW Meta Ice w/ Perforated Basket Wide	L2	2888	35.23	82	2155	25.42	81	3012	35.23	85
	L3	3859	48.3	79	2878	36.23	79	4023	25.3	83
businet wide	L4	7107	96.6	73	5300	72.45	73	7408	96.6	88

DIMENSIONS









PHOTOMETRICS - 3500K - 20 x 60"

Meta Ice Wide

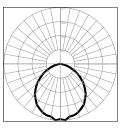
File Name: TC9-2L35K-2060-MW-L3 Luminaire Lumens: 5852 Total Watts: 48.3 Efficacy: 121 lms/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

RC			30			70				50		
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR												
0	119	119	119	119	116	116	116	116	111	111	111	
1	108	104	99	95	106	101	97	94	97	94	91	
2	98	90	83	77	96	88	82	76	84	79	74	
	90	79	71	64	87	77	70	63	74	68	62	
4	82	70	61	54	80	68	60	54	66	59	53	
5	75	62	53	46	73	61	52	46	59	51	46	
6	69	56	47	40	68	55	46	40	53	45	40	
7	64	51	42	36	63	50	41	35	48	41	35	
8	60	46	38	32	58	45	37	32	44	37	31	
9	56	42	34	28	54	42	34	28	41	33	28	
10	52	39	31	26	51	39	31	26	38	30	26	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Horizontal Angle							
Angle	0	45	90					
45	2170	2203	2374					
55	1870	1994	2273					
65	1455	1730	2139					
75	933	1439	1795					
85	453	700	559					

CANDELA DISTRIBUTION

Vertical Angle		Но	rizontal A	ngle	
ŭ	0	22.5	45	67.5	90
0	1960.31	1960.31	1960.31	1960.31	1960.31
5	2006.5	1949.24	1966.79	1933.84	1973.86
10	1897.51	1922.45	1908.25	1953.13	1949.65
15	1883.18	1864.61	1905.77	1921.59	1885.11
20	1830.74	1800.07	1852.41	1860.19	1850.65
25	1746.26	1755.67	1790.25	1837.61	1848.47
30	1668.52	1676.8	1746.53	1766.44	1773.3
35	1528.19	1564.92	1618.72	1685.03	1699.19
40	1403.04	1447.89	1500.5	1576.64	1584.44
45	1237.19	1286.13	1368.18	1456.28	1485.71
50	1070.77	1116.06	1220.8	1314.69	1365.71
55	882.59	941.4	1058.71	1182.11	1219.68
60	711.56	771.42	898.03	1020.57	1090.4
65	523.35	598.75	735.11	870.64	922.04
70	360.11	436.85	581.93	712.14	750.65
75	220.48	294.31	440.24	536.55	560.93
80	115.6	187.16	288.4	341.63	332.77
85	47.97	89.04	124.45	114.13	103.2
90	15.36	18.16	18.97	16.27	14.94

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt							
0-20	720.16	12.30							
0-30	1547.08	26.40							
0-40	2561.57	43.70							
0-60	4562.88	77.90							
0-80	5727.86	97.80							
0-90	5858.29	100.00							
10-90	5672.38	96.80							
20-40	1841.4	31.40							
20-50	2895.74	49.40							
40-70	2727.48	46.60							
	1164.99								
70-80	438.82	7.50							
	130.42	2.20							
90-110		0.00							
90-120	0.00	0.00							
90-130		0.00							
90-150		0.00							
90-180		0.00							
110-180		0.00							
0-180	5858.29	100.00							

Meta Ice Perforated Basket Wide

File Name: TC9-2L35K-2060-MPBW-L3

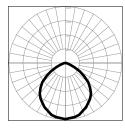
Luminaire Lumens: 3859 Total Watts: 48.3 Efficacy: 79 lms/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

RC			30			70				50		
RW	70	50	30	10	70	50	30	10	50	30	10	
RCR												
0	119	119	119	119	116	116	116	116	111	111	111	
1	109	105	101	97	107	102	99	95	98	95	92	
2	100	92	85	80	97	90	84	79	87	81	77	
3	91	81	73	67	89	80	72	66	77	70	65	
4	84	72	64	57	82	71	63	57	68	62	56	
5	77	65	56	49	75	64	55	49	61	54	49	
6	71	58	50	43	69	57	49	43	56	48	43	
7	66	53	44	38	64	52	44	38	51	43	38	
8	62	48	40	34	60	48	40	34	46	39	34	
9	58	44	36	31	56	44	36	31	43	36	31	
10	54	41	33	28	53	40	33	28	39	33	28	

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Horizontal Angle							
Angle	0	45	90					
45	1592	1559	1691					
55	1261	1276	1462					
65	716	839	1073					
75	322	664	970					
85	222	413	488					

CANDELA DISTRIBUTION

Angle	Horizontal Angle							
	0	22.5	45	67.5	90			
0	1455.73	1455.73	1455.73	1455.73	1455.73			
5	1430.31	1429.96	1441.02	1463.49	1464.56			
10	1418.71	1409.87	1420.44	1434.1	1415.36			
15	1387.79	1380.58	1382.88	1383.46	1384.76			
20	1319.26	1349.87	1340.84	1344.75	1364.7			
25	1267.05	1276.19	1303.13	1305.59	1302.05			
30	1189.74	1206.15	1221.35	1250.98	1265.64			
35	1122.01	1121.12	1156	1197.63	1215.4			
40	1033.11	1044.74	1091.39	1146.88	1188.33			
45	907.39	916.6	968.15	1039.22	1058.17			
50	776.77	778.81	842.28	931.44	951.32			
55	595.24	602.07	677.53	758.49	784.67			
60	434.38	439.48	523.31	599.45	636.55			
65	257.38	273.32	356.49	434.81	462.44			
70	140.93	161.09	260.9	340.19	380.97			
75	76.12	95.45	203.26	275.79	303.07			
80	37.9	63.01	146.05	184.65	199.92			
85	23.56	36.73	73.43	85.29	90.01			
90	8.09	10.86	16.92	17.77	18.13			

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	528.31	13.70
0-30	1123.63	29.10
0-40	1852.13	47.90
0-60	3219.18	83.30
0-80	3790.38	98.10
0-90	3863.62	100.00
10-90	3726.42	96.40
20-40	1323.82	34.30
20-50	2077.99	53.80
40-70	1736.05	44.90
60-80	571.20	14.80
70-80	202.19	5.20
80-90	73.24	1.90
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	3863.62	100.00

PHOTOMETRICS - 3500K - 500 x 1000 mm

Meta Ice Wide

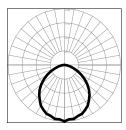
File Name: TC9-2L35K-510-MW-L3 Luminaire Lumens: 4371 Total Watts: 36.2 Efficacy: 120 lms/W

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

	RC RW	70	50	30 30	10	70		70 30	10	50	50 30	10
	RCR											
ı	0		119				116			111	111	111
- 1	1	108	104	99	95	106	101	97	94	97	94	91
- 1	2	98	90	83	77	96	88	82	76	85	79	74
	3	90	79	71	64	87	77	70	63	74	68	62
- 1	4	82	70	61	54	80	68	60	54	66	59	53
	5	75	62	53	46	73	61	53	46	59	51	46
- 1	6	69	56	47	40	68	55	46	40	53	46	40
- 1	7	64	51	42	36	63	50	41	35	48	41	35
- 1	8	60	46	38	32	58	46	37	32	44	37	31
- 1	9	56	42	34	28	55	42	34	28	41	33	28
	10	52	39	31	26	51	39	31	26	38	30	26

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Horizontal Angle							
Angle	0	45	90					
45	2465	2564	2793					
55	2120	2292	2696					
65	1628	1970	2502					
75	1023	1608	2124					
85	442	753	737					

CANDELA DISTRIBUTION

Vertical Angle		Но	rizontal A	ngle	
	0	22.5	45	67.5	90
0	1488.24	1488.24	1488.24	1488.24	1488.24
5	1441.36	1454.99	1475.14	1481.93	1479.61
10	1444.14	1435.92	1446.04	1456.23	1459.95
15	1392.06	1414.87	1411.86	1424.11	1439.49
20	1370.8	1360.1	1380.2	1400.56	1400.07
25	1308.5	1324.97	1339.05	1365.75	1384.15
30	1238.03	1246.1	1282.11	1325.41	1335.06
35	1133	1168.59	1210.03	1258.12	1277.45
40	1032.86	1053.57	1119.94	1183.31	1203.73
45	922.12	954.16	1033.21	1090	1116.84
50	796.22	829.11	912.06	990.93	1037.24
55	661.98	702.58	792.5	886.44	922.82
60	520.49	567	670.11	761.06	805.68
65	392.44	438.85	547.77	655.8	686.11
70	266.42	319.77	434.34	530.72	565.44
75	166.21	219.07	324.91	399.63	420.36
80	84.04	136.54	216.02	252.33	249.14
85	34.95	66.83	90.17	87.42	85.09
90	9.75	15.45	16.07	14.46	13.11

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	540.16	12.30
0-30	1158.74	26.50
0-40	1914.84	43.80
0-60	3410.99	78.00
0-80	4277.4	97.80
0-90	4375.25	100.00
10-90	4235.61	96.80
20-40	1374.68	31.40
20-50	2162.76	49.40
40-70	2036.24	46.50
60-80	866.41	19.80
70-80	326.31	7.50
80-90	97.86	2.20
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150	0.00	0.00
90-180	0.00	0.00
110-180	0.00	0.00
0-180	4375.25	100.00

FILE NAME: TC9_LED_T_SPEC_SHEET_201804011

PHOTOMETRICS - 3500K - 500 x 1000 mm (cont'd)

Meta Ice Perforated Basket Wide

File Name: TC9-2L35K-510-MPBW-L3 Luminaire Lumens: 2878 Total Watts: 36.2

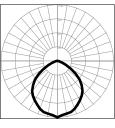
79 lms/W Efficacy:

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

RC RW	70		30 30	10	70	50	70 30	10	50	50 30	10
RCR 0 1 2 3 4 5 6 7 8 9		119 104 90 79 70 63 56 51 47 43 39		119 96 78 64 55 47 41 36 32 29 26		116 102 88 78 69 61 55 50 46 42 39	116 98 82 70 61 53 47 42 38 34 31	116 94 77 64 54 47 41 36 32 29 26	111 97 85 75 66 59 54 49 44 41 38	111 94 80 68 59 52 46 41 37 34 31	111 91 75 63 53 46 40 36 32 29 26

PHOTOMETRIC CURVE



LU	JMI	NAN	ICE	DATA	(CD	/M²)

Vertical	Hori	zontal A	ngle
Angle	0	45	90
45	2174	2239	2422
55	1896	2022	2298
65	1473	1711	2034
75	949	1327	1584
85	412	705	628

CANDELA DISTRIBUTION

Vertical Angle		Но	rizontal A	ngle	
·	0	22.5	45	67.5	90
0	2015.29	2015.29	2015.29	2015.29	2015.29
5	1995.32	1985.61	1952.78	1992.36	1991.2
10	1914.23	1906.37	1919.53	1955.31	1939.8
15	1867.69	1900.26	1893.64	1892.58	1939.11
20	1834.49	1823.1	1858.81	1853.63	1864.13
25	1750.54	1747.93	1816.64	1846.21	1842.06
30	1675.16	1692.05	1725.4	1800.39	1790.29
35	1528.33	1582.17	1633.49	1701.8	1718.41
40	1402.56	1442.97	1518.7	1594.47	1630.66
45	1235.28	1299.37	1379.31	1472.22	1503.14
50	1069.64	1119.32	1236.68	1335.2	1386.56
55	891.16	950.28	1062.08	1161.34	1219.15
60	712.26	763.35	889.09	999.01	1044.72
65	526.63	588.54	716.18	819.52	863.22
70	368.52	427.02	549.82	644.45	666.6
75	222	281.88	397.09	466.79	483.77
80	110.55	173.94	259.26	298.45	300.37
85	42.69	84.43	120.4	112.98	111.16
90	16.29	21.14	21.4	20.21	18.49

ZONAL LUMEN SUMMARY

JUNINAKI									
Zone	Lumens	%Fixt							
0-20	722.98	12.40							
0-30	1553.5	26.70							
0-40	2576.3	44.30							
0-60	4585.92	78.90							
0-80	5686.27	97.90							
0-90	5809.25	100.00							
10-90	5621.67	96.80							
20-40	1853.32	31.90							
20-50	2917.3	50.20							
40-70	2709.34	46.60							
60-80	1100.35	18.90							
70-80	400.63	6.90							
80-90	122.98	2.10							
90-110	0.00	0.00							
90-120	0.00	0.00							
90-130	0.00	0.00							
90-150	0.00	0.00							
90-180	0.00	0.00							
110-180	0.00	0.00							
0-180	5809.25	100.00							

PHOTOMETRICS - 3500K - 500 x 1500 mm

Meta Ice Wide

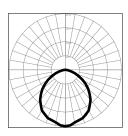
File Name: TC9-2L35K-515-MW-L3 **Luminaire Lumens: 5803 Total Watts:** 48.3 120 lms/W Efficacy:

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

RC		8	30			70			50		
RW	70	50	30	10	70	50	30	10	50	30	10
RCR											
0	119	119	119	119	116	116	116	116	111	111	111
1	108	104	99	95	106	101	97	94	97	94	91
2	98	90	83	77	96	88	82	76	85	79	74
1 2 3 4 5	90	79	71	64	87	77	70	63	74	68	62
4	82	70	61	54	80	68	60	54	66	59	53
5	75	62	53	46	73	61	53	46	59	51	46
6	69	56	47	40	68	55	46	40	53	46	40
7	64	51	42	36	63	50	41	35	48	41	35
8	60	46	38	32	58	46	37	32	44	37	31
8 9	56	42	34	28	55	42	34	28	41	33	28
10	52	39	31	26	51	39	31	26	38	30	26

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Hori	zontal A	ngle
Angle	0	45	90
45	2465	2564	2793
55	2120	2292	2696
65	1628	1970	2502
75	1023	1608	2124
85	442	753	737

CANDELA DISTRIBUTION

Vertical Angle		Horizontal Angle							
	0	22.5	67.5	90					
0	1488.24	1488.24	1488.24	1488.24	1488.24				
5	1441.36	1454.99	1475.14	1481.93	1479.61				
10	1444.14	1435.92	1446.04	1456.23	1459.95				
15	1392.06 1414.87		1411.86	1424.11	1439.49				
20	1370.8	1360.1	1380.2	1400.56	1400.07				
25	1308.5	1324.97	1339.05	1365.75	1384.15				
30	1238.03	1246.1	1282.11	1325.41	1335.06				
35	1133	1168.59	1210.03	1258.12	1277.45				
40	1032.86	1053.57	1119.94	1183.31	1203.73				
45	922.12	954.16	1033.21	1090	1116.84				
50	796.22	829.11	912.06	990.93	1037.24				
55	661.98	702.58	792.5	886.44	922.82				
60	520.49	567	670.11	761.06	805.68				
65	392.44	438.85	547.77	655.8	686.11				
70	266.42	319.77	434.34	530.72	565.44				
75	166.21	219.07	324.91	399.63	420.36				
80	84.04	136.54	216.02	252.33	249.14				
85	34.95	66.83	90.17	87.42	85.09				
90	9.75	15.45	16.07	14.46	13.11				

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-20	540.16	12.30
0-30	1158.74	26.50
	1914.84	43.80
0-60	3410.99	
0-80	4277.4	
0-90	4375.25	100.00
10-90	4235.61	96.80
20-40	1374.68	31.40
	2162.76	49.40
40-70	2036.24	46.50
60-80	866.41	19.80
	326.31	7.50
80-90	97.86	2.20
90-110	0.00	0.00
90-120	0.00	0.00
90-130	0.00	0.00
90-150		0.00
90-180	0.00	0.00
110-180		0.00
0-180	4375.25	100.00

Meta Ice Perforated Basket Wide

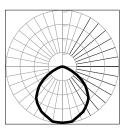
File Name: TC9-2L35K-515-MPBW-L3 Luminaire Lumens: 4023 Total Watts: 25.3 83 lms/W Efficacy:

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method | Effective Floor Cavity Reflectance = .20

	RC RW	70		30 30	10	70	50	70 30	10	50	50 30	10
	RCR											
ı	0 1			119 101			116	116	116 95	111 98	111 95	111 92
1	2	100		85	80	97	90	84	79	87	81	77
ı		91	81	73	67	89	80	72	66	77	70	65
ı	4 5	84 77	72 64	63 56	57 49	81 75	71 63	63 55	57 49	68 61	61 54	56 48
ı	6	71	58	49	43	69	57	49	43	55	48	42
1	7	66	53	44	38	64	52	44	38	50	43	37
ı	8 9	61 57	48 44	40 36	34 30	60 56	47 43	39 36	34 30	46 42	39 35	33 30
	10	54	41	33	27	52	40	32	27	39	32	27

PHOTOMETRIC CURVE



LUMINANCE DATA (CD/M²)

Vertical	Horizontal Angle				
Angle	0	45	90		
45	1596	1694	1877		
55	1306	1427	1656		
65	778	938	1155		
75	345	651	886		
85	196	438	539		

CANDELA DISTRIBUTION

Vertical

Vertical Angle	Horizontal Angle					
0	0	22.5	45	67.5	90	
0	1442.81	1442.81	1442.81	1442.81	1442.81	
5	1435.33	1416.55	1420.2	1454.19	1420.88	
10	1432.76	1421.68	1411.43	1424.02	1431.63	
15	1369.27	1378.13	1397	1400.32	1408.98	
20	1319.07	1321.56	1359.56	1386.67	1390.58	
25	1274.54	1283.97	1309.38	1353.43	1357.98	
30	1201.45	1213.61	1261.55	1311.35	1350.21	
35	1130.57	1152.63	1207.15	1286.85	1307.87	
40	1047.96	1066.07	1150.93	1246.17	1277.84	
45	906.93	949.64	1043.42	1139.53	1164.88	
50	778.71	817.77	908.61	1024.71	1056.74	
55	613.86	635.5	749.46	835.29	878.3	
60	438.86	470.99	574.58	656.06	684.28	
65	278.27	303.71	392.51	459.3	490.14	
70	159.17	180.06	270.87	334.83	361.41	
75	80.78	104.35	194.68	248.29	270.51	
80	40.08	61.67	136.49	176.7	191.83	
85	20.28	35.04	74.82	86.41	95.44	
90	9.61	11.68	19.87	21.41	22.41	

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt				
0-20	529.64	13.10				
0-30	1136.49	28.20				
0-40	1897.9	47.10				
0-60	3363.78	83.50				
0-80	3955.38	98.20				
0-90	4028.1	100.00				
10-90	3891.74	96.60				
20-40	1368.27	34.00				
20-50	2171.27	53.90				
40-70	1860.69	46.20				
60-80	591.60	14.70				
70-80	196.79	4.90				
80-90	72.72	1.80				
90-110	0.00	0.00				
90-120	0.00	0.00				
90-130	0.00	0.00				
90-150	0.00	0.00				
90-180	0.00	0.00				
110-180	0.00	0.00				
0-180	4028.1	100.00				

FILE NAME: TC9_LED_T_SPEC_SHEET_201804011