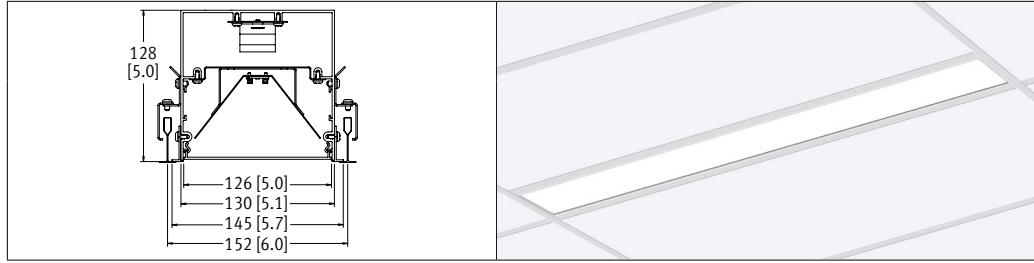


Rail 6 S6 (Formerly Sequence)

LED . Recessed T-Bar Flanged . TechZone



CAT #:
PREP BY:
DATE:
PROJECT:
TYPE:
NOTES:

ORDERING LOGIC

Example Part Number: S6-1L35K-8-M-W-L31-T-1-D-90

S6			X	M				T																							
Series	Color Temp	Length	Optics Up	Optics Down	Finish	LL/Driver	Circuitry	Mounting	Voltage	Controls	Options																				
Color Temp	Length (continued)	Optics Up		Light Level (LL) / Driver			Circuitry		Controls																						
1L30K = 3000K	8 = 8 ft	= None (leave space empty)		Fixture Lumens Light level measured at 3500K. Add 3% lumen output for 4000K or subtract 2% lumen output for 3000K.			1 = 1 Circuit		= None (leave space empty)																						
1L35K = 3500K	9 = 9 ft	Optics Down		<table border="1"> <thead> <tr> <th>0-10V Dimming (Standard)</th> <th>Lumens Delivered</th> <th>Wattage</th> <th>Efficacy (LPW)</th> </tr> </thead> <tbody> <tr> <td>L1</td> <td>1730</td> <td>14</td> <td>125</td> </tr> <tr> <td>L2</td> <td>2133</td> <td>18</td> <td>121</td> </tr> <tr> <td>L3</td> <td>2850</td> <td>24</td> <td>118</td> </tr> <tr> <td>L4</td> <td>5248</td> <td>50</td> <td>105</td> </tr> </tbody> </table> Based on 4ft sections.			0-10V Dimming (Standard)	Lumens Delivered	Wattage	Efficacy (LPW)	L1	1730	14	125	L2	2133	18	121	L3	2850	24	118	L4	5248	50	105	EM = Emergency/Night Light		D = Daylight Sensor		
0-10V Dimming (Standard)	Lumens Delivered	Wattage	Efficacy (LPW)																												
L1	1730	14	125																												
L2	2133	18	121																												
L3	2850	24	118																												
L4	5248	50	105																												
1L40K = 4000K	10 = 10 ft	M = Meta Ice					B = Battery Pack		O = Occupancy Sensor																						
Length	11 = 11 ft	Finish					Mounting		DO = Daylight/Occupancy Sensor																						
2 = 2 ft	12 = 12 ft	SA = Satin Aluminum					T = Recessed T-Bar Flanged		Options																						
3 = 3 ft	R = Continuous Rows	W = White					Voltage		90 = 90 CRI																						
4 = 4 ft	C = Custom Length Consult factory	C = Custom Finish Specify RAL#:					1 = 120 V		= None (leave space empty)																						
5 = 5 ft							2 = 277 V																								
6 = 6 ft							3 = 347 V																								
7 = 7 ft							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: Rigid extruded aluminum body, 2.0mm (0.08”) nominal wall thickness, and steel formed end caps.

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, creating a continuum of smooth consistent light.

CRI: 83+ for 3500K, 80 minimum for all CCTs in standard configurations.

Lumen Maintenance: At an ambient operating temperature of 35°C, the LED lifetime expectancy > 60 000hrs at L85.

Finish: Satin aluminum and white are standard finishes. For custom finish, contact factory.

Weight: 1.7 kg/300mm [3.8 lb/ft]

Mounting: Optimized to fit 15/16” t-bar. Will fit most 9/16” t-bars. TechZone compatible.

Electrical: Factory prewired with easy wire quick connect sections.

Drivers: Metalumen offers dimming drivers as a standard on our entire LED product offering at 0-10V. Dimming is 10%-100% range Power factor 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

Controls: Refer to Ordering Logic chart above.

Approvals: Certified to NRTL safety and IES recommendation testing standards. cULus listed. All components are CSA/QPS recognized or listed, RoHS, LM79, LM80 and LM82 compliant.

Environment: Suitable for dry or damp locations.

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.

APPROVALS Signature _____

Date _____

FILE NAME: S6 RECESSED T SPEC SHEET

20171213

570 Southgate Drive, Guelph, Ontario N1G 4P6
Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9

1.800.621.6785 | T 519.822.4381 | F 519.822.4589
www.metalumen.com

Metalumen

FEATURES

COMMERCIAL // Commercial Lighting - With over 30 years of successful architectural lighting, providing unique concept and installation solutions has become second nature. Metalumen's Start to End Development Process results in unique performance, design and architectural requirements from concept through implementation. Metalumen's Lighting Solutions have been applied to customer projects requiring: high profile architectural installations; improved energy efficiency; retrofit installations;

unique installations. Metalumen can provide top-quality innovative fixtures when and where they are needed and, at the same time, allow the customer to determine their level of involvement in Metalumen's Start to End Development Process.

EDULUMEN // Educational Lighting Edulumen is a collection of premium luminaires that maximize both the functionality and performance of any educational facility. Based on

maximum efficiency, integration of controls and exceptional design, Edulumen will earn high marks for meeting your requirements. Metalumen is dedicated to creating sustainable environments that foster enhanced educational experiences.

MetaICE META ICE is a smooth Continuum Optical System with a 91% transmission rate that creates smooth subdued lighting with no source imagery. Meta Ice is a premium lensing optic unique to Metalumen but coupled

with a high performance side kicking specular reflector to maximize the lumens from the source creating an unparalleled lumen delivery.

META LED boards with a raw efficacy of over 120lm/W, proprietary to Metalumen. A slim LED platform for any of your LED linear application.

DAMP Suitable for damp locations.

PHOTOMETRIC DATA - 3500K

L3

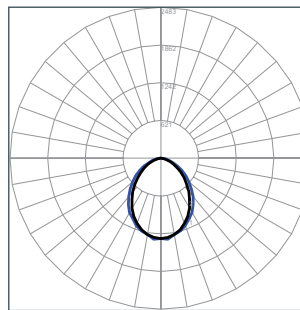
File Name: S6-1L35K-4-M-L3
Luminaire Lumens: 2850
Total Watts: 24
Efficacy: 118 lms/W
Optics Up: None
Optics Down: Meta Ice

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method
 Effective Floor Cavity Reflectance = .20

RC	80				70				50				
	RW	70	50	30	10	70	50	30	10	50	30	10	
RCR													
0	101	101	101	101	99	99	99	99	94	94	94		
1	93	90	86	84	91	88	85	82	84	82	80		
2	86	79	74	70	84	78	73	69	75	71	67		
3	79	71	64	59	77	69	63	59	67	62	58		
4	73	63	56	51	71	62	56	51	60	54	50		
5	67	57	50	44	65	56	49	44	54	48	44		
6	62	52	44	39	61	51	44	39	49	43	39		
7	58	47	40	35	56	46	40	35	45	39	35		
8	54	43	36	32	53	43	36	31	41	36	31		
9	51	40	33	29	50	39	33	29	38	32	28		
10	48	37	30	26	47	36	30	26	36	30	26		

PHOTOMETRIC CURVE



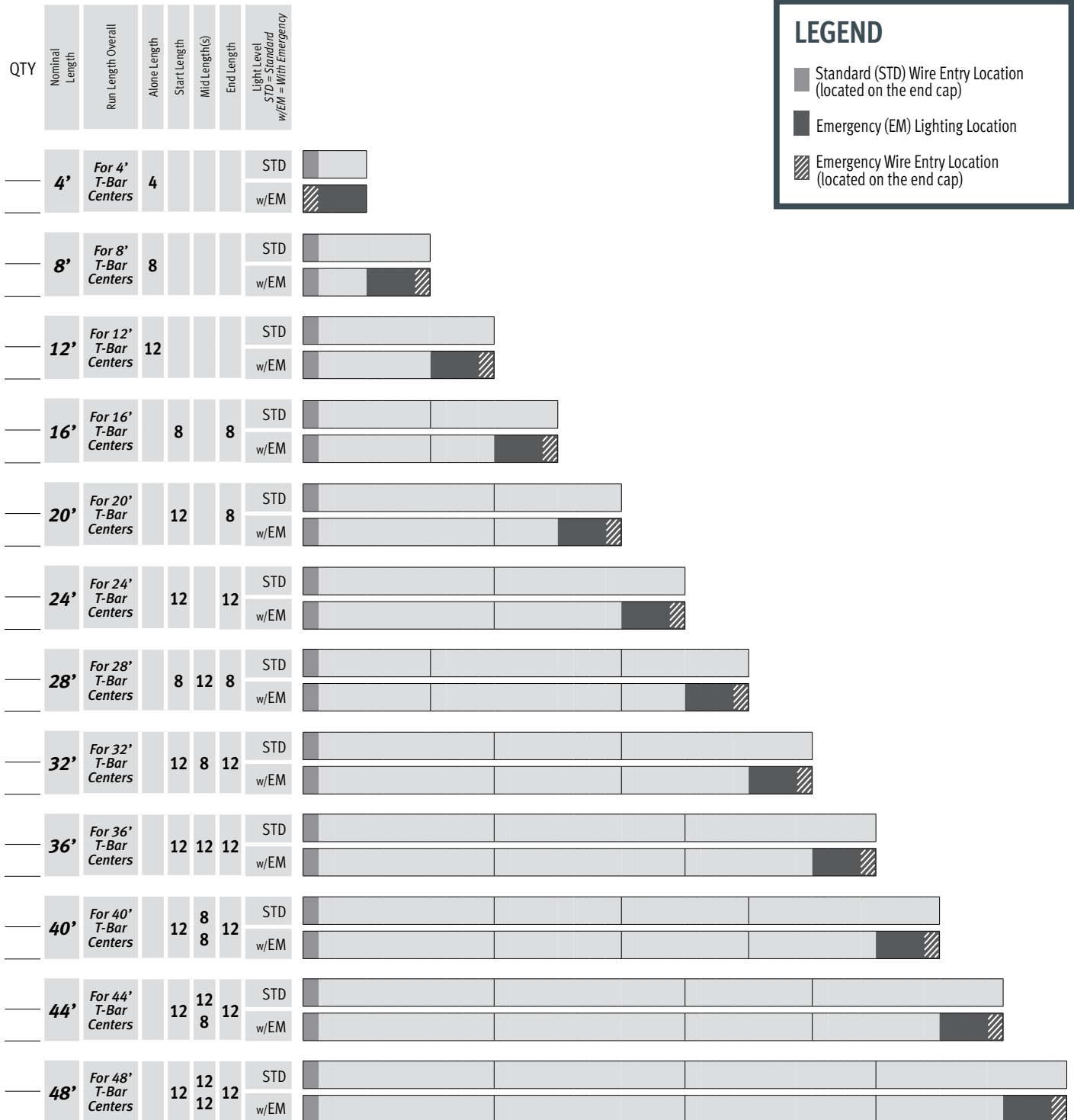
LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	5198	3134	2581
55	4347	2212	1751
65	3365	1427	1090
75	2172	730	518
85	839	175	137

CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle			
	0	30	60	90
0	1322.81	1322.81	1322.81	1322.81
5	1336.31	1316.14	1318.16	1310.24
10	1274.36	1288.29	1278.81	1276.54
15	1240.44	1222.49	1225.81	1221.28
20	1181.26	1159.12	1149.92	1141.46
25	1099.07	1092.99	1062.96	1055.19
30	1027.54	1002.89	968.3	950.02
35	927.73	900.76	861.03	827.29
40	824.4	798.29	739.54	715.72
45	714.17	692.26	631.04	603.97
50	602.18	579.78	521.68	497.59
55	504.3	468.79	422.14	399.02
60	402.82	374.31	327.2	314.76
65	306.52	281.33	248.38	234.29
70	216.3	199.09	173.28	165.55
75	137.76	128.38	111.18	101.1
80	73.5	67.31	58.82	54.19
85	28.37	25.48	22.68	23.31
90	7.12	5.51	5.92	7.26

MOUNTING - ROW CONFIGURATIONS



LEGEND

- Standard (STD) Wire Entry Location (located on the end cap)
- Emergency (EM) Lighting Location
- Emergency Wire Entry Location (located on the end cap)