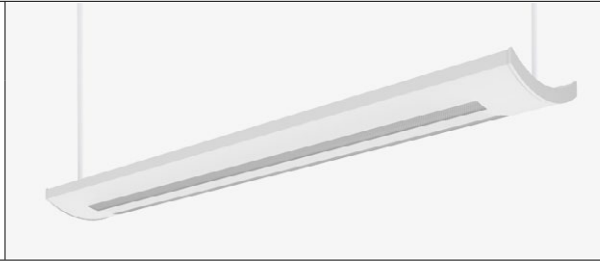
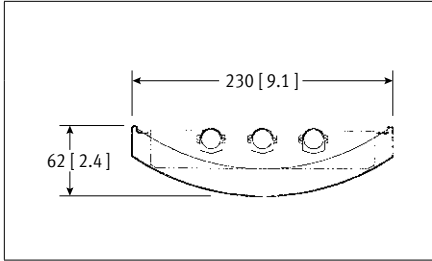


Finesse C7S

Fluorescent . Pendant



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

ORDERING LOGIC

Optics											
C7S											
Series	# of lamps	Source	Length	Up	Down	Finish	Ballast	Circuitry	Mounting	Voltage	IC

# of Lamps	Length	Optics Down	Ballast	Mounting	Voltage
1 = 1 lamp	4 = 4 ft	A1 = Unperforated Band at Center Socket Locations	E = Electronic Instant Start (T8)	PA = Pendant Aircraft Cable	1 = 120 V
2 = 2 lamps	8 = 8 ft	B = Unperforated Band at Center Socket Locations w/ Opal Inlay	R = Programmed Rapid Start	PT = Pendant Aircraft Cable for T-Bar	2 = 277 V
3 = 3 lamps	12 = 12 ft	I = Angled Slotted Bottom w/ Opal Inlay	D1 = 0-10V Dimming	SS = Solid Stem	3 = 347 V
Source	R = Continuous Rows See pages 2 & 3	NU = Solid Body - 100% Uplight	D2 = DALI	Select HANGER LENGTH and HANGER COLOR on p. 2	4 = UNV (120-277)
T8	Optics Up	Finish	Circuitry		Integrated Control (IC)
T5	- = None (leave space empty)	W = White	1 = 1 Circuit		- = None (leave space empty)
T5HO	C = Clear Dust Cover	C = Custom Finish Specify RAL#:	LR = Left-Right Switching		D = Daylight Sensor
			IO = In/Out Switching		O = Occupancy Sensor
			EM = Emergency/Night Light		DO = Daylight/Occupancy Sensor
			B = Battery Pack		

SPECIFICATIONS

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

Housing: The structural integrity of the luminaire is provided by a formed aluminum 18 gauge body, 62mm (2.4") high x 230mm (9.1") wide with 16 gauge steel internal support brackets and ballast cover.
Optics: Computer modeled, formed painted steel materials are utilized to

provide wide, horizontal indirect distribution.
Finish: Standard white baked powder coated polyester finish. Gloss 85%. For custom finish, contact factory.
Mounting: Solid stem 10mm (3/8") OD or aircraft cable complete with Quick-Grip field adjustment suspension system

provides easy on-site alignments.
Electrical: Integral, slim size, electronic ballast for T5 and T8 lamps at 120, 277 and 347 volts. Pre-wired for quick connection of individual sections and continuous runs to minimize installation time. No disassembly of the product is required.
Ballast: Instant Start, Programmed Rapid

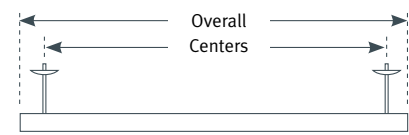
Start, 0-10V Dimming, DALI
Integrated Controls: Refer to Ordering Logic chart above.
Approvals: Certified to NRTL and IES testing standards. This product is cULus listed.
Environment: Suitable for dry locations.

WARRANTY

Metalumen will warrant a one year parts and labour warranty. Warranty is valid if luminaire is installed and used according to specification. The Ballast will carry a standard 5 year warranty by the manufacturer. If defective, Metalumen will send replacement ballasts or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Metalumen.

MOUNTING INFORMATION

Nominal Length	Overall mm [in]	Centers mm [in]
4' T8	1489 [58.6]	1253 [49.3]
8' T8	2735 [107.7]	2499 [98.4]
12' T8	3980 [156.7]	3744 [147.4]
4' T5	1438 [56.6]	1202 [47.3]
8' T5	2631 [103.6]	2395 [94.3]
12' T5	3825 [150.6]	3589 [141.3]



Mounting dimensions indicated above are for individual units only. For continuous row mounting dimensions consult factory.

APPROVALS Signature _____

Date _____

FILE NAME: Finesse_C7S_SPEC_SHEET

051215

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.

HANGER

Select Hanger Length and Hanger Finish:

HANGER FINISH

White Paint (Standard)

Custom *Specify RAL#:*

SOLID STEM
1/2" OD STANDARD

Standard supplied length is 18" (460mm). Hangers will be supplied at closest length. All other lengths are considered custom unless otherwise stated.

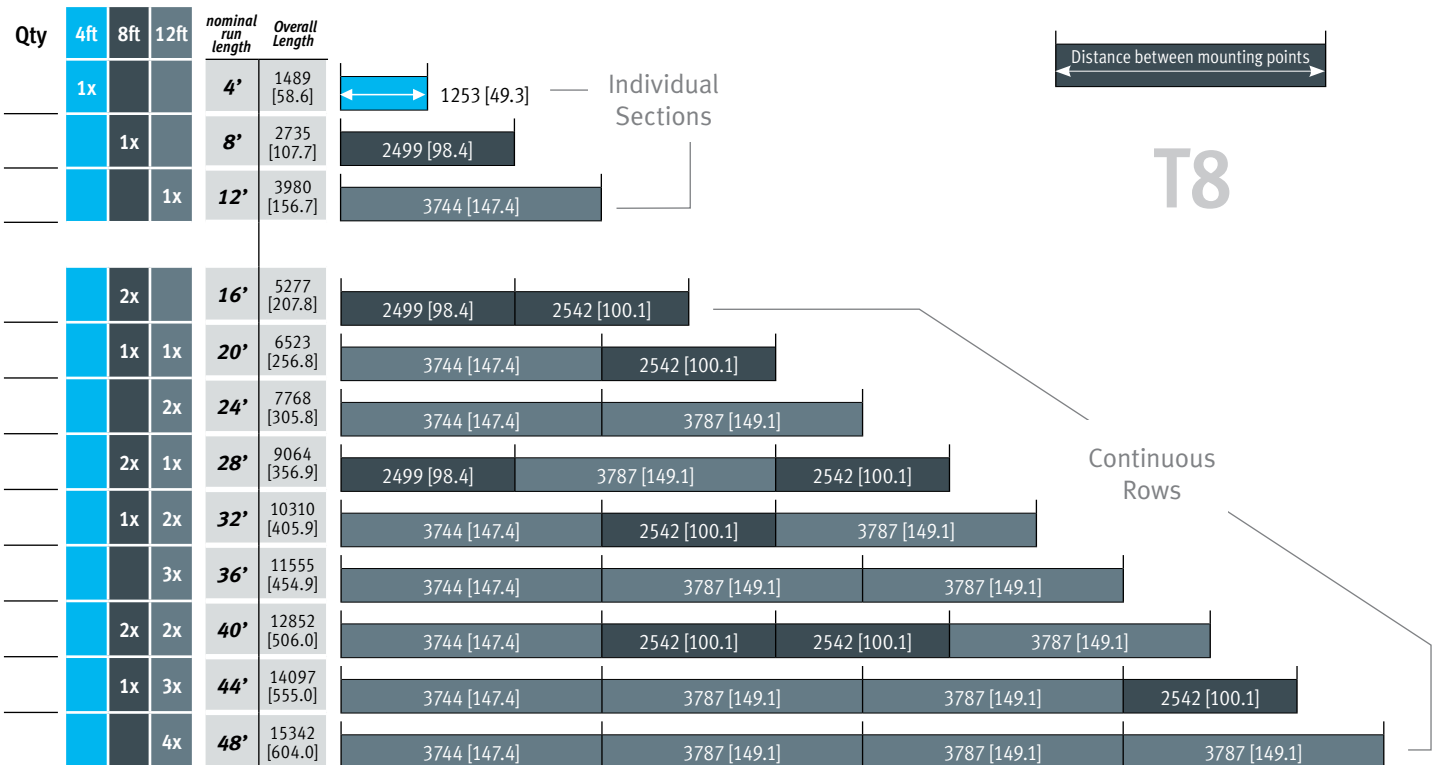
	IMPERIAL (in)	METRIC (mm)
<input type="checkbox"/>	12	305
<input type="checkbox"/>	15	380
<input type="checkbox"/>	18	460
<input type="checkbox"/>	21	533
<input type="checkbox"/>	24	610
<input type="checkbox"/>	27	685
<input type="checkbox"/>	30	760
<input type="checkbox"/>	33	840
<input type="checkbox"/>	36	915
<input type="checkbox"/>	39	990
<input type="checkbox"/>	42	1067
<input type="checkbox"/>	45	1145
<input type="checkbox"/>	48	1220
<input type="checkbox"/>	Custom length:	

AIRCRAFT CABLE

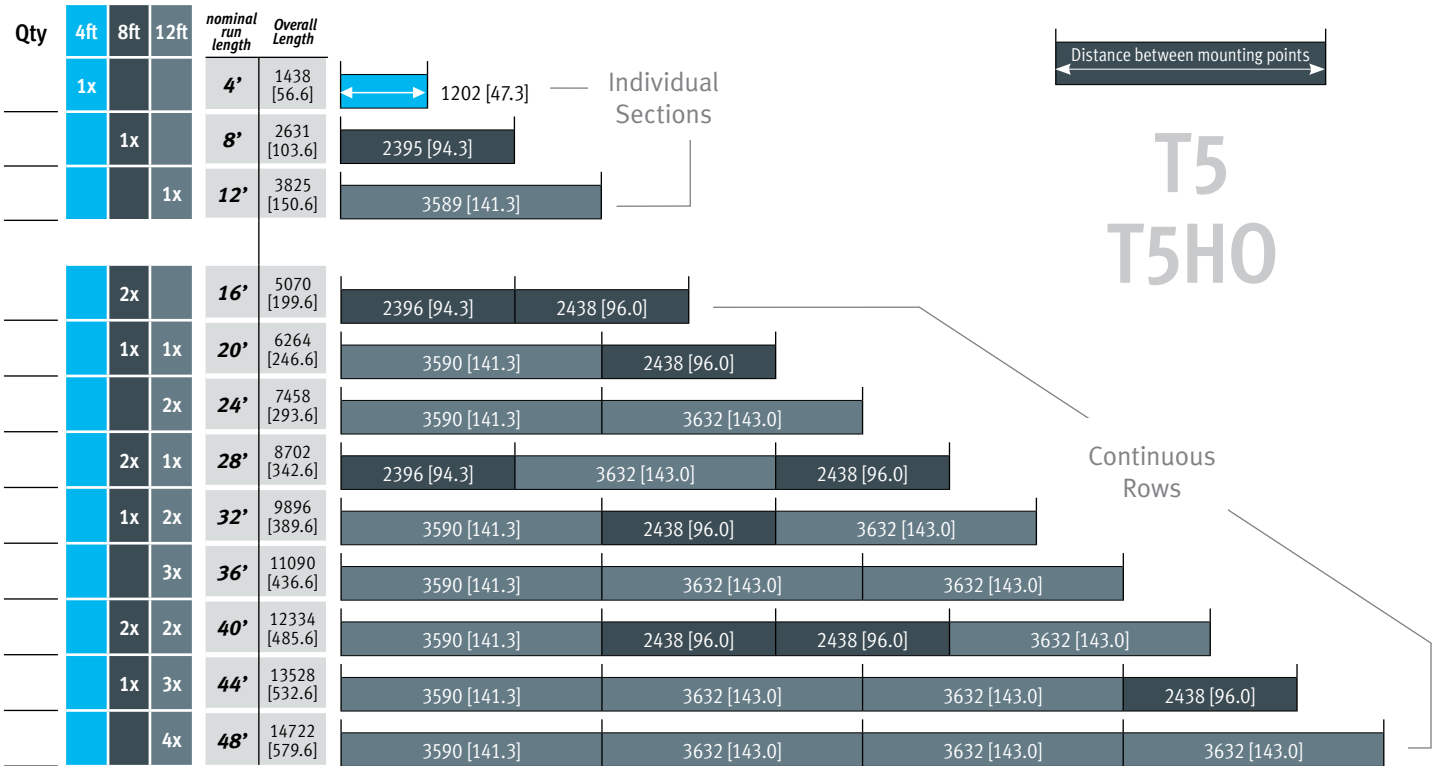
Total adjustment range is 6" up & down for each standard length. All other lengths are considered custom unless otherwise stated.

	IMPERIAL (in)	METRIC (mm)
<input type="checkbox"/>	12	305
<input type="checkbox"/>	18	460
<input type="checkbox"/>	24	610
<input type="checkbox"/>	30	760
<input type="checkbox"/>	36	915
<input type="checkbox"/>	42	1067
<input type="checkbox"/>	48	1220
<input type="checkbox"/>	54	1372
<input type="checkbox"/>	60	1525
<input type="checkbox"/>	72	1830
<input type="checkbox"/>	96	2440
<input type="checkbox"/>	120	3050
<input type="checkbox"/>	144	3660
<input type="checkbox"/>	Custom length:	

MOUNTING - ROW CONFIGURATION



MOUNTING - ROW CONFIGURATION



PHOTOMETRIC DATA

2 T8
LAMPS

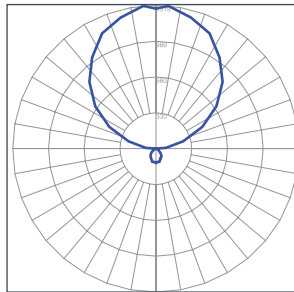
File Name: C7S-2T8-4-A1
Luminaire Lumens: 4674
Efficiency: 81 %
Efficacy: 60 lms/W
Total Watts: 78
Optics Up: None
Optics Down: Unperforated band at center socket locations

COEFFICIENTS OF UTILIZATION

Zonal Cavity Method Effective Floor Cavity Reflectance = .20

RC	80			70			50		
	RW	70	50	30	10	70	50	30	10
RCR									
0	78	78	78	78	67	67	67	67	47
1	71	67	65	62	61	58	56	54	41
2	64	59	54	50	55	51	47	44	36
3	59	52	46	42	50	45	40	37	32
4	53	45	40	35	46	39	35	31	28
5	49	40	34	30	42	35	30	26	25
6	45	36	30	26	38	31	26	22	22
7	41	32	26	22	35	28	23	19	20
8	38	29	23	19	33	25	20	17	18
9	35	26	21	17	30	23	18	15	16
10	33	24	18	15	28	21	16	13	15

PHOTOMETRIC CURVE



CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	131	131	131	131	131
5	122	125	131	115	106
15	126	122	119	120	114
25	99	105	103	97	90
35	89	86	75	67	67
45	64	57	46	43	43
55	37	28	25	32	33
65	17	15	17	21	21
75	12	9	8	8	8
85	5	5	4	4	4
90	7	12	10	8	7
95	93	178	222	218	213
105	261	370	488	550	575
115	473	543	683	771	798
125	683	714	814	912	950
135	868	871	945	1002	1035
145	1025	1031	1037	1079	1093
155	1170	1148	1135	1151	1136
165	1250	1231	1226	1227	1224
175	1319	1282	1298	1268	1281
180	1290	1290	1290	1290	1290

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	298	180	162
55	207	111	139
65	124	90	104
75	132	54	50
85	119	40	35

PHOTOMETRIC DATA

**2 T5HO
LAMPS**

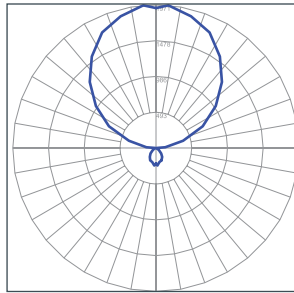
File Name: C7S-2T5HO-4-A1
Luminaire Lumens: 7326
Efficiency: 93 %
Efficacy: 62 lms/W
Total Watts: 118
Optics Up: None
Optics Down: Unperforated band at center socket locations

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	80	80	80	80	69	69	69	69	48	48	48	48
1	73	70	67	64	63	60	58	55	42	41	39	39
2	66	61	56	52	57	52	49	45	37	35	33	33
3	60	53	48	43	52	46	41	38	32	30	27	27
4	55	47	41	36	47	41	36	32	29	26	23	23
5	50	42	35	31	43	36	31	27	26	22	20	20
6	46	37	31	26	40	32	27	23	23	19	17	17
7	43	33	27	23	37	29	24	20	20	17	15	15
8	39	30	24	20	34	26	21	17	18	15	13	13
9	36	27	21	17	31	24	19	15	17	14	11	11
10	34	25	19	15	29	21	17	14	15	12	10	10

PHOTOMETRIC CURVE



CANDLE DISTRIBUTION

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	211	211	211	211	211
5	241	218	216	232	200
15	197	198	180	158	155
25	184	163	130	124	132
35	149	109	106	103	106
45	105	73	75	64	61
55	53	37	41	45	48
65	24	19	24	26	26
75	11	12	11	8	9
85	7	5	4	3	4
90	9	23	17	11	10
95	130	304	417	461	476
105	387	563	838	968	1004
115	711	828	1066	1270	1348
125	1008	1109	1253	1402	1465
135	1286	1353	1478	1544	1570
145	1538	1568	1628	1694	1709
155	1753	1741	1749	1802	1803
165	1876	1863	1879	1863	1860
175	1971	1914	1941	1901	1845
180	1925	1925	1925	1925	1925

LUMINANCE DATA (CD/M²)

Vertical Angle	Horizontal Angle		
	0	45	90
45	510	307	241
55	310	190	212
65	183	133	135
75	126	79	59
85	172	42	37