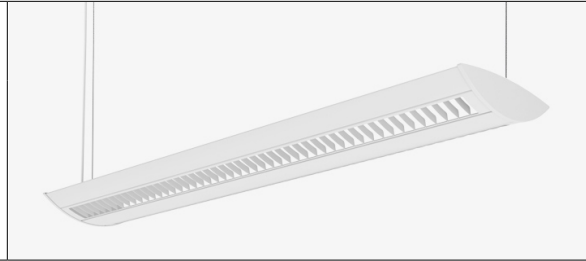
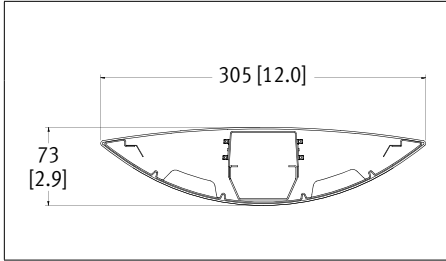


# Horizon II 05B

LED . Pendant



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

## ORDERING LOGIC

Optics																				
05B	Color Temp	Length	Up	Down	Finish	LL / Driver	Circuitry	Mounting	Voltage	Controls										
<b>Color Temp</b>	<b>Optics Up</b>		<b>Light Level / Driver</b>			<b>Circuitry</b>		<b>Voltage</b>		<b>Control</b>										
2L30K = 3000K	= Open Top (leave space empty)		<b>Fixture Lumens</b> *Light level measured at 3500K. Add 3% lumen output for 4000K or subtract 2% lumen output for 3000K.			<b>1 = 1 Circuit</b>  <b>EM = Emergency/Night Light</b>  <b>B = Battery</b>		<b>1 = 120 V</b>  <b>2 = 277 V</b>  <b>3 = 347 V</b>  <b>4 = UNV (120-277 V)</b>		= None (leave space empty)  <b>D = Daylight Sensor</b>  <b>O = Occupancy Sensor</b>  <b>DO = Daylight/Occupancy Sensor</b>										
2L35K = 3500K	<b>C = Clear Dust Cover</b>		<table border="1"> <thead> <tr> <th>0-10V Dimming (Standard)</th> <th>3500k</th> </tr> </thead> <tbody> <tr> <td>L1 =</td> <td>3230</td> </tr> <tr> <td>L2 =</td> <td>4119</td> </tr> <tr> <td>L3 =</td> <td>5898</td> </tr> <tr> <td>L4 =</td> <td>11304</td> </tr> </tbody> </table>			0-10V Dimming (Standard)	3500k	L1 =	3230	L2 =	4119	L3 =	5898	L4 =	11304	<b>Mounting</b>				
0-10V Dimming (Standard)	3500k																			
L1 =	3230																			
L2 =	4119																			
L3 =	5898																			
L4 =	11304																			
2L40K = 4000K	<b>Optics Down</b>		Based on 4ft sections.			<b>PA = Pendant Aircraft Cable</b>  <b>PT = Pendant Aircraft Cable for T-Bar</b>  <b>SS = Solid Stem</b>														
<b>Length</b>	<b>SBO = Solid Cross Blade Baffle w/ Opal Overlay</b>					Select <b>HANGER LENGTH</b> and <b>HANGER FINISH</b> on p2														
<b>4 = 4 ft</b>	<b>Finish</b>																			
<b>8 = 8 ft</b>	<b>W = White</b>																			
<b>12 = 12 ft</b>	<b>C = Custom Finish</b> Specify RAL#:																			
<b>R = Continuous Rows</b> (See p.3)																				

## SPECIFICATIONS

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

**Housing:** Low profile, elliptically shaped indirect/direct luminaire measuring 73mm [2.9"] high by 304mm [12.0"] wide. The structural integrity of the luminaire is provided by a formed aluminum 18 gauge, one piece, perforated aluminum screen, 16 gauge steel internal support brackets and ballast cover and die cast end caps. The fixture's formed ballast channel, in conjunction with the die cast end caps, offers strength for sections as long as a nominal 3660mm [12'-0"] with only two (2) hanger assemblies. As a result, straight alignment for continuous row installations

can be maintained with a minimal amount of supports. Metalumen's integrated tongue and groove electrical/mechanical interlock ensure straight runs for continuous run applications providing for a cost-effective installation. No disassembly of the product is required during installation.  
**Optical System:** Computer modeled, formed painted steel materials are utilized to provide wide, horizontal indirect distribution.  
**CRI:** 83 (3500K) (80 minimum)  
**Lumen Maintenance:** At an ambient operating temperature of 25°C the LED lifetime

expectancy ≥ 50 000hrs at L70.  
**Finish:** White, baked, powder coated polyester finish. Gloss 85%. Consult factory for custom colors/finishes.  
**Weight:** 3.5 kg/300mm [6.8 lb/ft]  
**Mounting:** Solid stem 13mm (1/2") OD or steel aircraft cable complete with a Quick-Grip field adjustable suspension system provides for quick and easy on site alignment (contact factory for custom lengths).  
**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.  
**Controls:** Refer to Ordering Logic chart above.  
**Lutron Driver Options:** Consult factory for Lutron LED driver options:  
**LHE** H-Series Hi-lume 1% EcoSystem  
**LA2** A-Series Hi-lume 1% 2-wire  
**L5E** 5-Series EcoSystem  
**Approvals:** Certified to NRTL and IES testing standards. DLC Listed (check QPL for exact listing). All components are UL Recognized or Listed. LM79/LM80 compliant.  
**Environment:** Suitable for dry 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.

## LUMINAIRE WATTAGE AND OUTPUT SPECIFICATION

Light Level	Wattage		Lumens Delivered		Efficacy (LPW)	
	05K	05B	05K	05B	05K	05B
L1	27	27	3079	3230	113	118
L2	35	35	3924	4119	113	118
L3	48	48	5621	5898	118	123
L4	96	96	10775	11304	113	118

FILE NAME: 05B\_LED\_SPEC\_SHEET\_20190617

APPROVALS: Signature \_\_\_\_\_ Date \_\_\_\_\_

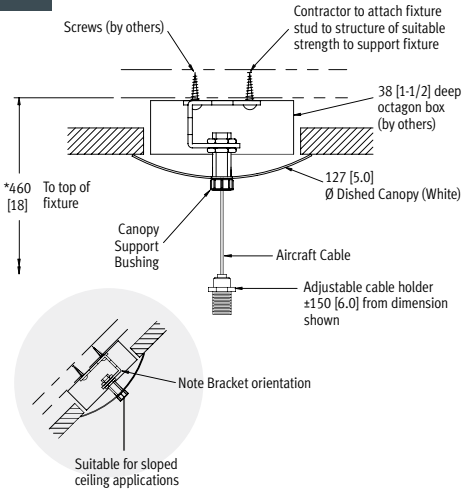
570 Southgate Drive, Guelph, Ontario N1G 4P6  
 Mailing Address: P.O. Box 1779 Guelph, Ontario, N1H 6Z9

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

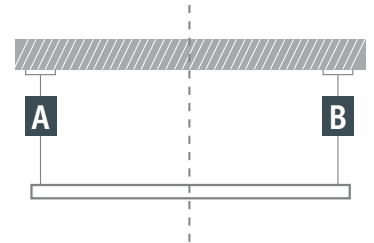
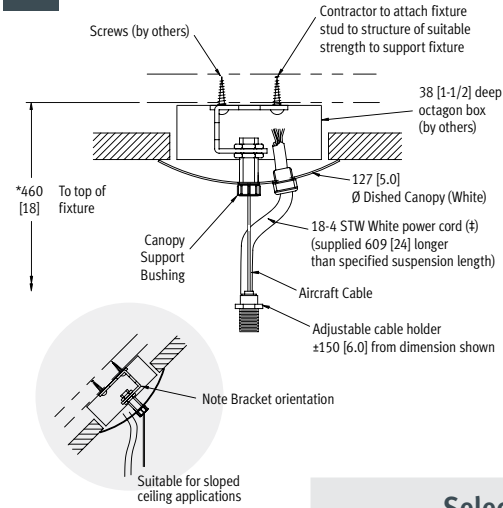
Metalumen

HANGAR INFORMATION

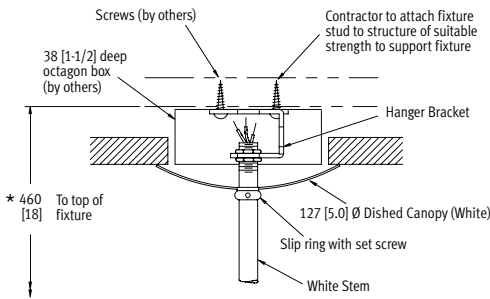
**A** Aircraft Cable



**B** Aircraft Cable & Cord



**Solid Stem**



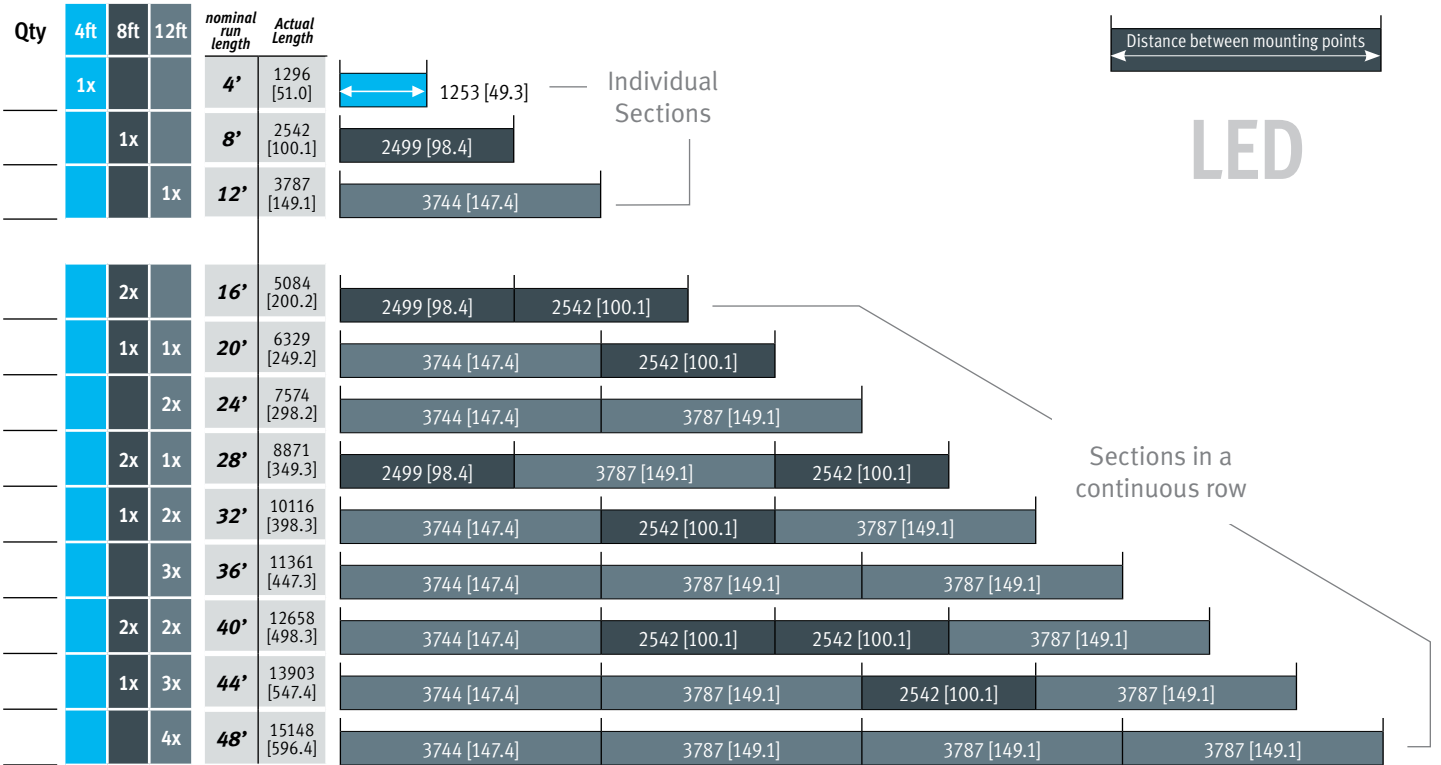
HANGER FINISH	
<input type="checkbox"/>	White Paint (Standard)
<input type="checkbox"/>	Custom Specify RAL#:

Select Hanger Length below:

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 - Pendant**



**PHOTOMETRIC DATA - 3500k**

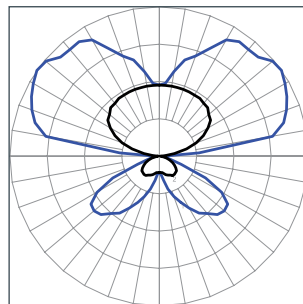
**L3**  
**File Name:** O5B-2L35K-4-SB0-L3  
**Luminaire Lumens:** 5898  
**Total Watts:** 47.7  
**Efficacy:** 123 lms/W  
**Optics Up:** Open Top  
**Optics Down:** Solid Cross Blade Baffle with Opal Overlay

**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	90	90	90	90	69	69	69		
1	92	87	84	80	81	78	75	72	60	58	56		
2	83	76	70	65	74	68	62	58	52	49	46		
3	75	66	59	53	67	59	53	48	45	41	37		
4	69	58	50	44	61	52	45	40	40	35	31		
5	63	51	43	37	55	46	39	33	35	30	26		
6	57	45	37	32	51	40	34	29	31	26	22		
7	53	40	33	27	46	36	29	25	28	23	19		
8	49	36	29	24	43	33	26	21	25	20	17		
9	45	33	26	21	40	29	23	19	23	18	15		
10	42	30	23	18	37	27	21	16	21	16	13		

**PHOTOMETRIC CURVE**



**CANDLE DISTRIBUTION**

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	128.12	128.12	128.12	128.12	128.12
5	128.77	122.5	131.23	137.32	141.5
10	131.19	141.05	155.88	182.58	195.65
15	143.67	158.53	202.55	243.45	269.34
20	155.3	178.83	254.39	312.91	340.32
25	163.05	205.97	300.1	376.56	401.3
30	173.27	232.33	338.52	426.39	470.95
35	184.92	249.81	368.43	483.75	547.03
40	186.94	258.21	392.54	522.74	588.25
45	182.28	257	392.72	554.75	650.42
50	179.38	246.56	392.64	566.32	670.31
55	160.8	218.78	367.94	544.24	658.67
60	137.67	184.1	315.67	472.75	568.46
65	117.61	137.84	244.5	348.75	403.38
70	87.91	99.22	153.19	183.04	183.7
75	63.28	68.3	82.83	91.11	92.92
80	39.83	42.35	48.7	57.02	56.08
85	18.94	24.84	34.07	40.51	38.48
90	8.76	19.01	33.59	41.39	39.69
95	43.31	175.51	325.25	343.48	314.87
100	121.58	284.65	594.38	824.64	907.62
105	222.22	389.24	683.71	924.34	1015.55
110	310.43	498.22	757.47	978.43	1068.94
115	385.95	589.22	837.01	1028.74	1112.24
120	445.75	667.95	879.73	1074.38	1146.47
125	494.76	716.65	928.68	1099.61	1177.91
130	511.64	736.44	959.02	1096.97	1165.82
135	541.5	736.21	984.99	1075.46	1103.15
140	545.08	730.48	980.7	1076.91	1097
145	556.42	712.01	927.38	1083.32	1100.53
150	555.89	698.4	856.2	1009.41	1058.51
155	557.96	673.63	808.09	894.57	932.92
160	559.79	650.37	760.49	822.85	840.04
165	558.6	608.2	714.7	753.94	784.43
170	560.7	573.56	635.38	680.89	677.1
175	560.62	550.06	559.76	589.18	575.75
180	560.48	560.48	560.48	560.48	560.48

**LUMINANCE DATA (CD/M²)**

Vertical Angle	Horizontal Angle		
	0	45	90
45	1910	3900	6324
55	2071	4377	7637
65	2045	3785	6018
75	1777	1918	2030
85	1497	1666	1665