

## DESCRIPTION

Nimbus I is a dedicated T5 indirect high performance luminaires. High efficiency and wide light optical distribution allow for wider fixture spacing and closer ceiling mounting. Nimbus I is suitable for a broad range of applications, including private offices, open office plans, classrooms, and conference spaces.

Catalog #		Type
Project		
Comments		Date
Prepared by		

## SPECIFICATION FEATURES

### A ... Construction

Housing is one-piece, die-formed, cold rolled steel, forming a 8-3/4" x 1-5/8" architectural profile. Standard 4'-0" and 8'-0" fixture lengths combine for continuous runs.

### B ... End Caps

End caps are precision die-cast aluminum mechanically attached without exposed fasteners. Two distinct styles are available.

### C ... Reflectors

Side and center reflectors are formed semi-specular anodized aluminum.

### D ... Electrical

Fixtures use UL listed Class P, programs rapid start T5HO electronic ballasts. Power factor of 97% with less than 10% THD. Fixtures and electrical components certified to UL and CUL standards.

### E ... Finish

Durable, low gloss, white, powder coated acrylic finish.

### Mounting

Aircraft cable or a rigid steel pendant mounts directly to all ceiling types. Standard mounting includes dual aircraft cable.



End Cap "ES" - Straight (Standard)

## Nimbus I 601-IP

T5  
T5HO

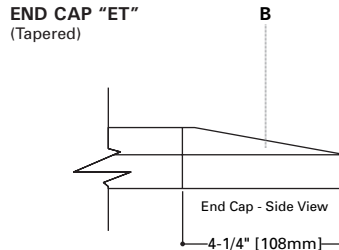
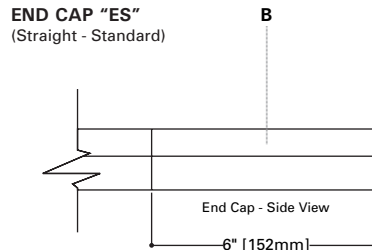
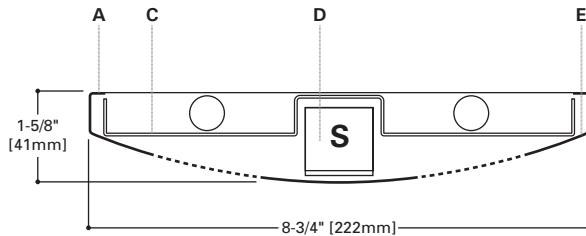
Suspended  
Semi-Indirect

Light Distribution:  
Indirect - 95.4%  
Direct - 4.6%

### Optional End Cap



End Cap "ET" - Tapered



### STANDARD LUMINAIRE LENGTHS\*

48" [1219mm]\*

96" [2438mm]\*

\*Dimensions do not include end caps.

**S** = Slim Line Ballast only.

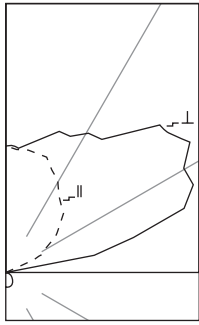
## ORDERING INFORMATION

Sample Number: 601IP-SP-2T5-1C-120-AC48-T1-24-ET

<b>Series</b> 601IP: Nimbus I Suspended	<b>Number of Lamps</b> 2: 2 Lamps (Not included)	<b>Wiring</b> <sup>1</sup> B: Battery Pack C: Standard Circuit D: Dimming E: Emergency T: Nightlight	<b>Suspension</b> A: Aircraft Cable P: Rigid Pendant <sup>2</sup> (single stem)	<b>Suspension Length</b> <b>Fixed Cable</b> 12", 15", 18", 21", 24", or 27" <b>Adjustable Cable</b> 48", 120" or 240" (infinite adjustment along entire length of cable)	<b>Ceiling Type</b> T1: 1" T-Bar T9: 9/16" T-Bar TS: Slotted T-Bar ST: Structure JB: 4" Octagonal J-Box	<b>End Cap</b> ET: Tapered ES: Straight
<b>Optics Up</b> S: Specular	<b>Lamp Type</b> T5HO: 54W (4' Unit) T5: 28W (4' Unit)	<b>Voltage</b> <sup>1</sup> 120: 120V 277: 277V 347: 347V UNV: Universal (120V-277V)	<b>Power Feed</b> <sup>1</sup> C: Straight Cord K: Curly Cord P: Rigid Pendant		<b>Run Length</b> Specify row length in feet. Rows will be configured with 4' and 8' sections only.	
<b>Optics Down</b> P: Perforated N: None	<b>Number of Circuits</b> <sup>1</sup> 1: 1 Circuit 2: 2 Circuits (Side by Side)					

Notes: 1 Not all options available. Please consult your Cooper Lighting Representative for availability.  
2 Available with 7° or earthquake 45° swivel canopy assembly.

PHOTOMETRICS



**601IP-SP-2T5HO**  
(2) FP54/835/HO  
5000 Lumens

Efficiency 86.4%

Test Report  
#10649

**Coefficients of Utilization**

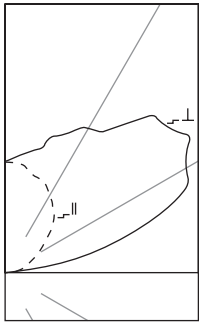
rc	Effective floor cavity reflectance				20%							
	80%				50%			30%				
	70	50	30	10	50	30	10	50	30	10		
<b>RCR</b>												
0	83	83	83	83	50	50	50	31	31	31		
1	76	72	69	66	44	42	41	27	26	25		
2	69	53	58	54	38	36	34	23	22	21		
3	63	55	49	45	34	31	28	21	19	18		
4	57	49	43	38	30	27	24	18	17	15		
5	53	43	37	32	27	23	21	16	15	13		
6	48	39	32	28	24	20	18	15	13	11		
7	45	35	29	24	22	18	16	13	11	10		
8	41	32	26	21	20	16	14	12	10	09		
9	38	29	23	19	18	15	12	11	09	08		
10	36	26	21	17	16	13	11	10	08	07		

**Candela**

Angle	Along II	45°	Across ⊥
0	175	175	175
5	174	174	174
15	168	169	170
25	155	158	159
35	127	131	131
45	90	97	99
55	57	62	68
65	23	33	41
75	1	9	19
85	0	0	5
90	0	0	2
95	55	338	314
105	236	1386	1537
115	475	1782	2395
125	720	1802	2619
135	969	1719	2473
145	1102	1512	1914
155	1301	1530	1747
165	1442	1532	1620
175	1442	1452	1464
180	1476	1476	1476

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Fixture
0-30	137	1.40	1.60
0-40	219	2.20	2.50
0-60	350	3.50	4.00
0-90	394	3.90	4.60
90-120	3129	31.30	36.40
90-130	4684	46.80	54.20
90-150	6967	69.70	80.60
90-180	8245	82.50	95.40
0-180	8639	86.40	100.00



**602IP-SN-2T5HO**  
(2) FP54/835/HO  
4500 Lumens

Efficiency 95.0%

Test Report  
#10650.0

**Coefficients of Utilization**

rc	Effective floor cavity reflectance				20%						
	80%				50%			30%			
	70	50	30	10	50	30	10	50	30	10	
<b>RCR</b>											
0	91	91	91	91	53	53	53	30	30	30	
1	83	79	75	72	46	44	43	27	26	25	
2	75	69	63	59	40	38	35	23	22	21	
3	68	60	54	48	35	32	29	20	19	17	
4	62	53	46	41	31	28	25	18	16	15	
5	57	47	40	35	28	24	21	16	14	13	
6	53	42	35	30	25	21	19	14	13	11	
7	48	38	31	26	23	19	16	13	11	10	
8	45	34	28	23	20	17	14	12	10	09	
9	42	31	25	21	19	15	13	11	09	08	
10	39	29	23	18	17	14	11	10	08	07	

**Candela**

Angle	Along II	45°	Across ⊥
0-45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0
90	0	0	0
95	56	373	325
100	128	1029	986
105	225	1601	1711
110	339	2025	2453
115	458	2200	2847
120	571	2145	2938
125	702	2179	3165
130	816	2055	3011
135	948	2062	2967
140	1019	1873	2556
145	1107	1784	2311
150	1222	1789	2211
155	1303	1718	2038
160	1350	1671	1927
165	1387	1555	1706
170	1465	1545	1627
175	1452	1466	1486
180	1474	1474	1474

**Zonal Lumen Summary**

Zone	Lumens	%Lamp	%Fixture
0-90	0	0.00	0.00
90-120	3669	36.70	38.40
90-130	5525	55.20	57.80
90-150	8191	81.90	85.70
90-180	9555	95.50	100.00
0-180	9555	95.50	100.00

MOUNTING INFORMATION

Standard Joining - Precise alignment with suspended tile ceiling.

