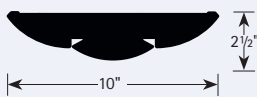


FEATURES

- Low profile 2-1/2" housing for a sleek modern appearance
- Indirect Luminaire
- Available with T8, T5, or T5HO lamps
- Heavy 20-gauge steel construction provides excellent housing rigidity
- Controls compatible
- Two unique glow strips below each lamp provide a subtle light highlight on bottom of fixture housing
- Color filters are available to enhance innovative glow strip
- Unique die cast aluminum, tongue and groove couplers provide zero tolerance alignment between fixtures and ensure consistently straight rows
- Simple suspension hardware for contractor-friendly installation

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- Available with two lamps in T8, T5, or T5HO
- Perforated, slotted, or solid wings
- Perforated sections include a hole pattern that measures .0625" in diameter, provides a 23% opening per square inch and has a white acrylic diffuser overlay.
- Horizontal Slots (HSLT) run along the length of the wing in six rows of .094 x 1.000 round openings. Both allow for a 65% opening per square inch.
- The housing is designed to wrap around the inner die cast plate and secures on top with concealed screws to ensure fixtures are constant.
- Tongue and groove alignment guarantees excellent fit between fixtures.
- Reflector is made from high reflectance specular material.
- Glow strips contain white acrylic diffuser.
- Colored glow strips have ScreenArt™ applied to diffuser.

FINISH

The housing and all painted parts are treated with a multi-stage phosphate bonding process. Parts are then finished with a white powder coat finish for maximum consistent coverage and longevity.

MOUNTING

Ascend is provided with fixed cables that have a total vertical adjustment of 1/4". A fully adjustable aircraft cable mechanism is optional. Slotted inner die cast plate allows for horizontal adjustment when leveling the row. End of cable barrel screws into a standard 1/4-20 bolt brought down from the ceiling.

LABELS AND ELECTRICAL

- UL 1598 or CSA
- Prewired w/ T8, T5, or T5HO electronic ballasts
- Quick connect plugs standard
- Damp label available on most models

Name:	ASC-2T8-S-CM-E
Test #:	13210
Efficiency:	69.5%
LER:	60

ORDERING INFORMATION

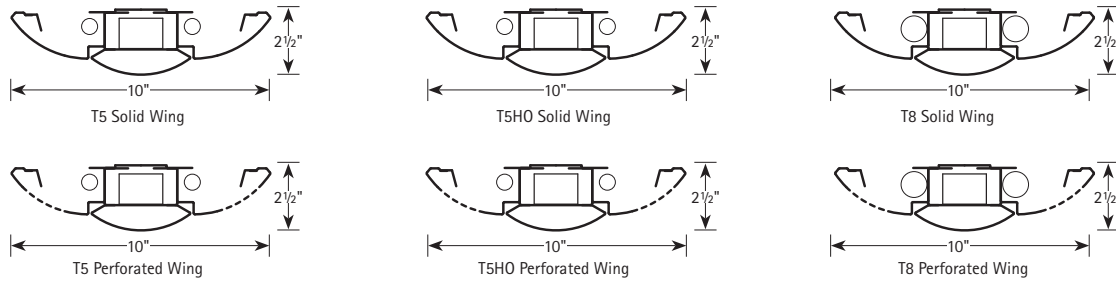
EXAMPLE: ASC-24-2T8-PERF-CM48-EU-MW

ASC - - - - -									
MODEL	ASC Ascend	LAMP TYPE AND PROFILE	CM 2T5 Two T5 Lamps 2T5HO Two T5HO Lamps 2T8 Two T8 Lamps	MOUNTING	FCM Fixed Aircraft Cable Mount (2-Lamp only) CM Adjustable Aircraft Cable Mount See HGR-1 for other hanging methods.	BALLAST	E Electronic, Instant Start, (Std. for T8) EP Electronic, Programmed Start (Std. for T5 and T5HO, optional for T8) ED Electronic, Dimming (Must specify) Unless specified, Alera will use fewest ballasts possible.	FINISH	MW Matte White (Std.) ZT Zet Metallic Silver
ROW LENGTH	4 4' Single 8 8' Single – Indicate row length over 8' in 4' increments Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.	WING TYPE	PERF Perforated S Solid HSLT Horizontal Slot VSLT Vertical Slot	CABLE LENGTH	48 48" 96 96" Not applicable for wall mount. Other lengths available on request.	VOLTAGE	U 120V-277V 120 120V 277 277V 347 347V	OPTIONS	GSVAR Variegated Glow Strip GSRED Red Glow Strip GSBLU Blue Glow Strip GSVLT Violet Glow Strip GSGRN Green Glow Strip GS_ Glow Strip (Custom color to be designated) SCE Sculpted End Cap LR Left/Right Switching (2-Lamp only) EL One Emergency Battery Pack ^{1,2} EMC One Emergency Circuit ^{2,3} NL Night Light Circuit ^{2,3} GLR Fast Blow Fuse GMF Slow Blow Fuse TBAR T-Bar Mounting CSA UL listed or CSA certified for Canada

¹ Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).
² Not available with all configurations; some limitations apply. Contact factory for details.
³ One extra feed drop per row through wiring. (Standard is one 4ft lamp per circuit.)

Protected by US Patent 6,796,676.
 Protected by Canada Patent 2,450,528.
 Specifications subject to change without notice.

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 13210

Luminaire	ASC-2T8-S-CM-EB8 Ascend Architectural Curve 10" x 48" 2-LAMP WITH MIRO4 SIDE STRIPS
Ballast	REL2P32SC
Ballast Factor	0.87
Lamp	F32T8
Lumens per Lamp	2900
Watts	58
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.30 90° = 1.53
Luminous Opening in Feet	Length: 3.97 Width: 0.71 Height: 0.00

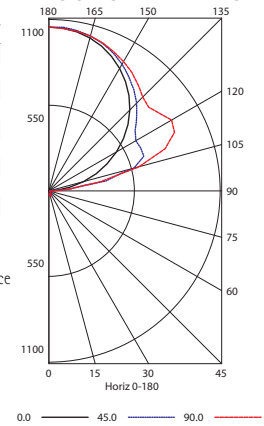
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	69	69	69	69	69
30	71	128	150	137	119
40	70	155	125	85	85
45	76	151	92	86	81
50	77	154	83	83	77
55	73	140	87	80	80
60	76	107	76	76	76
65	72	90	81	72	72
70	78	89	78	89	89
75	89	89	89	89	89
80	88	88	88	110	110
85	88	131	131	131	131

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	61	58	55	53	52	50	48	46	34	33	32	1				
2	55	50	46	43	47	43	40	37	30	28	26	1				
3	50	44	39	36	43	38	34	31	26	24	22	1				
4	46	39	34	30	39	33	29	26	23	21	19	1				
5	42	34	29	25	36	30	25	22	21	18	16	1				
6	38	31	25	22	33	26	22	19	18	16	14	1				
7	35	27	22	19	30	24	19	16	17	14	12	0				
8	32	25	20	16	28	21	17	14	15	12	10	0				
9	30	22	17	14	26	19	15	12	13	11	9	0				
10	28	20	16	12	24	17	14	11	12	10	8	0				

INDOOR CANDELA PLOT



RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	69.5%
Luminaire Efficacy Rating (LER)	60
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.00 based on 3000 hrs. and \$0.08 per KWH

Test Date 11/1/02

PHOTOMETRIC DATA

LUMINAIRE DATA Test 13272

Luminaire	ASC-2T5HO-S-CM-EB5 Ascend Architectural Curve 10" x 48" 2-LAMP WITH MIRO4 SIDE STRIPS
Ballast	ICN2S54
Ballast Factor	1.00
Lamp	F54T5
Lumens per Lamp	4400
Watts	124
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.32 90° = 1.52
Luminous Opening in Feet	Length: 3.97 Width: 0.71 Height: 0.00

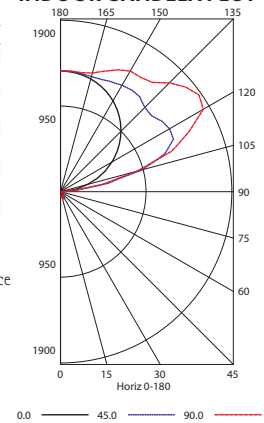
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	153	153	153	153	153
30	154	265	353	340	313
40	160	339	304	194	184
45	162	356	216	184	184
50	166	351	190	178	172
55	166	326	180	173	166
60	168	244	168	168	153
65	172	199	172	154	163
70	179	190	167	179	179
75	192	192	192	207	192
80	220	198	220	242	242
85	263	307	351	351	351

COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	0			
1	66	63	60	57	56	54	52	50	37	36	35	2				
2	60	55	50	47	51	47	44	41	33	31	29	1				
3	54	48	43	39	46	41	37	34	29	26	24	1				
4	50	42	37	33	42	36	32	28	25	23	20	1				
5	45	37	32	28	39	32	28	24	23	20	17	1				
6	42	33	28	24	35	29	24	21	20	17	15	1				
7	38	30	24	20	33	26	21	18	18	15	13	1				
8	35	27	21	18	30	23	19	15	16	13	11	1				
9	33	24	19	15	28	21	16	14	15	12	10	1				
10	30	22	17	14	26	19	15	12	13	11	9	1				

INDOOR CANDELA PLOT



RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	75.2%
Luminaire Efficacy Rating (LER)	53
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.53 based on 3000 hrs. and \$0.08 per KWH

Test Date 12/5/02

PHOTOMETRIC DATA

LUMINAIRE DATA Test 13275

Luminaire	ASC-2T5HO-PERF-CM-EB5 Ascend Architectural Curve 10" x 48" 2-LAMP WITH MIRO4 SIDE STRIPS
Ballast	ICN2S54
Ballast Factor	1.00
Lamp	F54T5
Lumens per Lamp	4400
Watts	123
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.26 90° = 1.36
Luminous Opening in Feet	Length: 3.97 Width: 0.71 Height: 0.00

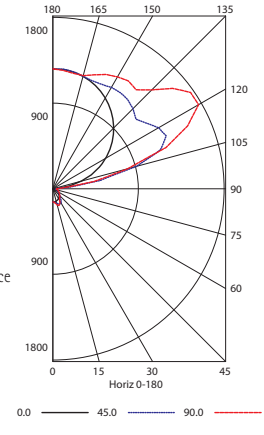
AVG. LUMINANCE (Candela/Sq. M.)

	0.0	22.5	45.0	67.5	90.0
0	535	535	535	535	535
30	525	644	763	679	644
40	513	713	618	558	558
45	502	729	556	551	556
50	493	677	529	547	558
55	473	593	519	553	566
60	443	496	512	558	573
65	407	452	515	578	614
70	368	424	514	648	681
75	325	398	590	738	767
80	308	418	682	902	946
85	307	526	1008	1402	1534

COEFFICIENTS OF UTILIZATION (%)

RC	80				70				50				0
	RW	70	30	10	70	50	30	10	50	30	10	0	
1	65	61	59	56	56	53	51	49	38	37	35	5	
2	59	54	49	46	51	47	43	40	33	31	29	4	
3	53	47	42	38	46	41	37	33	29	27	24	3	
4	49	41	36	32	42	36	32	28	26	23	21	3	
5	45	37	31	27	38	32	27	24	23	20	18	2	
6	41	33	27	23	35	28	24	20	20	17	15	2	
7	38	29	24	20	32	25	21	18	18	15	13	2	
8	35	26	21	17	30	23	18	15	17	14	11	2	
9	32	24	19	15	28	21	16	13	15	12	10	1	
10	30	22	17	13	26	19	15	12	14	11	9	1	

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	131	1.5	2.0
0-40	216	2.5	3.4
0-60	374	4.3	5.8
0-90	499	5.7	7.8
90-120	2120	24.1	32.9
90-130	3224	36.6	50.1
90-150	4903	55.7	76.2
90-180	5936	67.5	92.2
0-180	6436	73.1	100.0

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	73.1%
Luminaire Efficacy Rating (LER)	52
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Normal Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$4.62 based on 3000 hrs. and \$0.08 per KWH

Test Date 12/10/02