
**PROJECT INFORMATION**

Project Name	Type
Catalog No.	Date

**CONSTRUCTION**

- 4', 8', or 12' housing lengths
- Up to three T8, T5, or T5HO lamps in cross section
- Modular mounting points maintain convenient, predictable locations
- The housing is designed to wrap around the end plates and secures on top with concealed screws to ensure housing tolerances are consistent.

**FINISH**

Housing and all painted parts are treated with a multi-stage phosphate prior to finish. Parts are then finished with a white powder coat for maximum consistent coverage and longevity. Other colors may be specified; refer to page MTX-1 or contact your local Alera Lighting representative.

**SHIELDING**

- White cross baffle with opal overlay (WCB)
  - Regressed perforated panel (RPF)
  - Flat perforated panel (FPF)
  - Regressed opal acrylic (OA)
  - Regressed acrylic pattern 12 (A12)
- For a dramatic touch, colored lensing material may be selected as an overlay; contact factory.

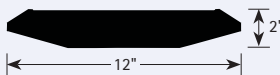
**MOUNTING**

- To maintain consistent, predictable mounting points, fixtures use an aircraft cable yoke mounting mechanism from two points at each hanging location.
- The end of the cable barrel screws into a standard 1/4-20 bolt brought down from the ceiling.

**LABELS AND ELECTRICAL**

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

<b>Name:</b>	NVS-3T8-PERF-OA-E
<b>Test #:</b>	14259
<b>Efficiency:</b>	93.9%
<b>LER:</b>	83

**SHAPE AND DIMENSIONS**

**ORDERING INFORMATION**
**EXAMPLE: NVS-8-3T5-DPST-CM48-WCB-EPU-MW**

MODEL		HOUSING TYPE		ADJUSTABLE CABLE LENGTH	BALLAST		FINISH		
NVS	Nevis	Blank	Solid (Std.)	48 48"	E	Electronic, Instant Start, (Std. for T8)	MW	Matte White (Std.)	
		PFST	Perforated Strip	96 96"	EP	Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)	ZT	ZET Metallic Silver	
		DPST	Diamond Pattern Perforated Strip	Other lengths available on request.	ED	Electronic, Dimming (Must specify)	See MTX-1 for other color selections.		
					ESD	Electronic, Step Dimming			
					Unless specified, Alera will use fewest ballasts possible.				
ROW LENGTH	LAMP TYPE AND PROFILE	MOUNTING		SHIELDING		VOLTAGE		OPTIONS	
4 4' Single	1T5 One T5 Lamp	CM	Adjustable Aircraft Cable Mount (Std.)	WCB	White Cross Baffle	U	120V-277V	DC	Dust Cover (T8 only)
8 8' Single	2T5 Two T5 Lamps			RPF	Regressed Perforated	120	120V	LR	Left/Right Switching (2-Lamp only)
- Indicate row length over 8' in 4' increments	3T5 Three T5 Lamps			FPF	Flat Perforated	277	277V	IBOB	Inboard/Outboard Switching (3-Lamp only)
<b>Note:</b> Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.	1T5HO One T5HO Lamp			OA	Opal Acrylic Lens	347	347V	EL	One Emergency Battery Pack <sup>1,2</sup>
	2T5HO Two T5HO Lamps			A12	Pattern 12 Acrylic Lens			EMC	One Emergency Circuit <sup>2,3</sup>
	3T5HO Three T5HO Lamps							NL	Night Light Circuit <sup>2,3</sup>
	1T8 One T8 Lamp							GLR	Fast Blow Fuse
	2T8 Two T8 Lamps							GMF	Slow Blow Fuse
	3T8 Three T8 Lamps							TBAR	T-Bar Mounting
								CSA	UL listed or CSA certified for Canada
								DL	Damp Label (Available on most models)

<sup>1</sup> Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).

<sup>2</sup> Not available with all configurations; some limitations apply. Contact factory for details.

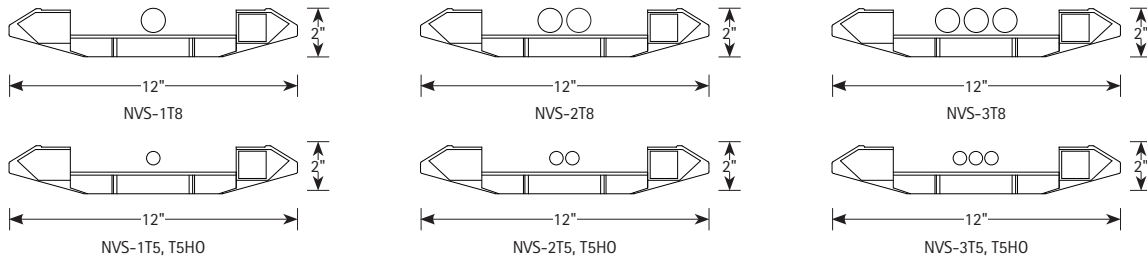
<sup>3</sup> One extra feed drop per EMC. (For through wiring, contact factory.)

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 14126

Luminaire	NVS-1T8-WCB-E Nevis Architectural Curve 1' x 4' 1-Lamp with Gloss White Center Louver and Opal Overlay
Ballast	REL-1P32-SC
Ballast Factor	0.92
Lamp	F32T8
Lumens per Lamp	2900
Watts	34
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.03 90° = 1.25
Luminous Opening in Feet	Length: 3.67 Width: 0.25 Height: 0.00

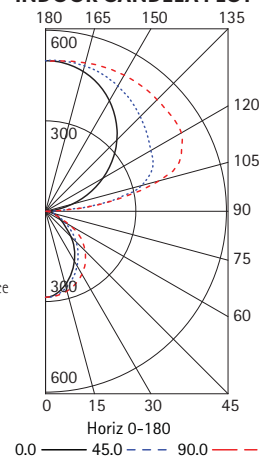
#### AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	3344	3344	3344	3344	3344
30	2587	2642	2831	3089	3265
40	2205	2297	2542	2894	3155
45	1974	2074	2373	2771	3069
50	1697	1843	2190	2628	2957
55	1493	1554	1964	2434	2741
60	1408	1455	1713	2135	2276
65	1332	1360	1555	1638	1555
70	1269	1269	1441	1338	1166
75	1224	1269	1315	1179	1133
80	1216	1216	1216	1013	946
85	1212	1077	808	673	673

#### COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
1	89	85	81	78	78	75	72	70	58	56	54	18				
2	81	74	69	64	71	66	61	57	51	48	45	16				
3	74	65	59	53	65	58	53	48	45	41	38	14				
4	67	58	51	45	60	51	45	41	40	36	32	12				
5	62	51	44	38	55	46	40	35	35	31	28	10				
6	57	46	38	33	50	41	35	30	32	27	24	9				
7	52	41	34	29	46	37	31	26	29	24	21	8				
8	48	37	30	25	43	33	27	23	26	22	19	7				
9	45	34	27	22	40	30	24	20	24	20	17	7				
10	42	31	24	20	37	28	22	18	22	18	15	6				

#### INDOOR CANDELA PLOT



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

#### ENERGY DATA

Total Luminaire Efficiency	96.5%
Luminaire Efficacy Rating (LER)	76
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.16 based on 3000 hrs. and \$0.08 per KWH

Test Date 9/16/05

### PHOTOMETRIC DATA

#### LUMINAIRE DATA Test 14131

Luminaire	NVS-1T8-RPF-E Nevis Architectural Curve 1' x 4' 1-Lamp with Gloss White Regress Basket and Opal Overlay
Ballast	REL-1P32-SC
Ballast Factor	0.92
Lamp	F32T8
Lumens per Lamp	2900
Watts	33
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.24 90° = 1.22
Luminous Opening in Feet	Length: 3.67 Width: 0.25 Height: 0.00

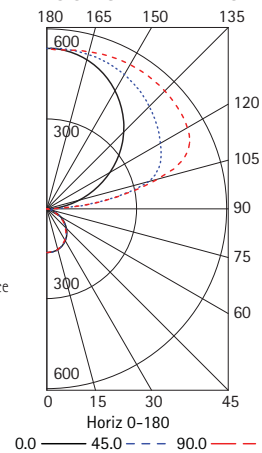
#### AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	1713	1713	1713	1713	1713
30	1666	1653	1653	1639	1626
40	1593	1547	1547	1531	1516
45	1526	1493	1477	1460	1443
50	1460	1424	1405	1387	1351
55	1350	1329	1309	1268	1248
60	1220	1197	1197	1126	1079
65	1083	1055	1055	916	833
70	892	892	823	652	583
75	680	725	589	499	499
80	608	608	540	473	473
85	538	538	538	538	538

#### COEFFICIENTS OF UTILIZATION (%)

RCR	80					70					50					0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
1	83	79	76	73	73	70	67	64	51	49	48	11				
2	76	69	64	60	66	61	57	53	45	42	40	9				
3	69	61	55	50	60	54	48	44	40	36	33	8				
4	63	54	47	42	55	47	42	37	35	31	28	7				
5	58	48	41	36	50	42	36	32	31	27	24	6				
6	53	43	36	31	46	37	32	27	28	24	21	5				
7	49	38	31	26	43	34	28	24	25	21	18	5				
8	45	34	28	23	39	30	25	21	23	19	16	4				
9	42	31	25	20	36	28	22	18	21	17	14	4				
10	39	28	22	18	34	25	20	16	19	15	12	3				

#### INDOOR CANDELA PLOT



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

#### ENERGY DATA

Total Luminaire Efficiency	92.7%
Luminaire Efficacy Rating (LER)	75
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.20 based on 3000 hrs. and \$0.08 per KWH

Test Date 9/9/05