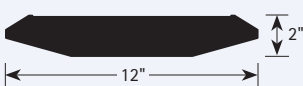


nevis
PLUS LISO

FEATURES

- Unique, interesting shape tapers down to ¹³/₃₂" for a minimalist, floating appearance
- Direct/Indirect Luminaire
- T5 or T5HO one-lamp, T8 two-lamp cross sections
- Heavy 20-gauge construction provides excellent housing rigidity; steel patented die cast aluminum joiners ensure excellent row integrity (Patent# 6,796,676B2)
- Controls compatible
- Close-to-ceiling mounting
- Designed to be mounted 12" to bottom of housing from ceiling
- Performance driven light delivery system creates smooth ceiling gradients on wide fixture spacings
- Optional perforated housing
- Flat end caps standard (⁵/₁₆" in length)
- Consistent, predictable mounting locations simplify installation

SHAPE AND DIMENSIONS



PROJECT INFORMATION

Project Name	Type
Catalog No.	Date

CONSTRUCTION

- 4', 8', or 12' lengths
- One T5, one T5HO, or two T8 lamps
- Mounting points maintain convenient, predictable locations
- The housing is designed to wrap around the end plate 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 AND HOUSING TYPES

- White cross baffle with opal overlay (WCB)
- Regressed perforated panel (RPF)
- Regressed opal acrylic (OA).
- Housings: solid (Std.), perforated strip (PFST), or diamond patterned perforated strip (DPST) along both sides of the shielding opening to provide visual interest.

MOUNTING

- An adjustable 12" aircraft cable yoke mount is standard.
- The NPLS profile is only 2" high to allow a 10" suspension length plus 2" for adjustability as desired.
- Longer lengths are also available as the product provides a wide optical throw at suspensions below 12" as well.

The cable yoke attaches 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 Labels
- Prewired with T8, T5, or T5HO electronic ballasts
- Quick connect plugs standard
- Damp label available on most models

Name:	NPLS-1T5HO-WCB-EP
Test #:	14109
Efficiency:	90.7%
LER:	65

ORDERING INFORMATION

EXAMPLE: NPLS-8-1T5-CM12-WCB-EPU-MW

MODEL		HOUSING TYPE		ADJUSTABLE CABLE LENGTH	SHIELDING		VOLTAGE		FINISH	
NPLS	Nevis Plus Liso	Blank	Solid (Std.)	12 12" (Std.)	WCB	White Cross Baffle w/ Opal Overlay	U	120V-277V	MW	Matte White (Std.)
		PFST	Perforated Strip	18 18"	RPF	Regressed Perforated	120	120V	ZT	ZET Metallic Silver
		DPST	Diamond Pattern Perforated Strip	24 24"	FPF	Flat Perforated	277	277V	See MTX-1 for other color selections.	
				Other lengths available on request.	OA	Opal Acrylic Lens	347	347V		
ROW LENGTH		LAMP TYPE AND PROFILE		MOUNTING	BALLAST		OPTIONS			
4	4' Single	1T5	One T5 Lamp	CM	E	Electronic, Instant Start, (Std. for T8)	LR	Left/Right Switching (2-Lamp T8 only)		
8	8' Single	1T5HO	One T5HO Lamp		EP	Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8)	EL	Emergency Battery Pack ^{1,2}		
–	Indicate row length over 8' in 4' increments	2T8	Two T8 Lamps		ED	Electronic, Dimming (Must specify)	EMC	One Emergency Circuit ^{2,3}		
					ESD	Electronic, Step Dimming	NL	Night Light Circuit ^{2,3}		
					Unless specified, Alera will use fewest ballasts possible.		GLR	Fast Blow Fuse		
							GMF	Slow Blow Fuse		
							TBAR	T-Bar Mounting		
							CSA	UL listed or CSA certified for Canada		
							DL	Damp Label (Available on most models)		

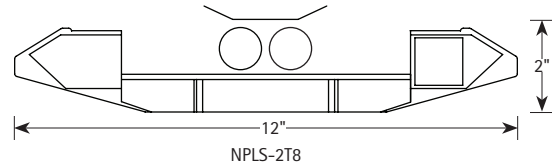
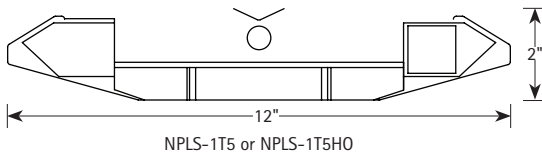
Note: Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.

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 EMC. (For through wiring, contact factory.)

CROSS SECTION



PHOTOMETRIC DATA

LUMINAIRE DATA Test 14109

Luminaire	NPLS-1T5HO-WCB-EP Nevis Plus Liso Architectural Curve 1 x 4 1-Lamp with White Center Louver and Opal Overlay
Ballast	ICN-2S54
Ballast Factor	1.02
Lamp	F54T5HO
Lumens per Lamp	4450
Watts	63
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.04 90° = 1.24
Luminous Opening in Feet	Length: 3.67 Width: 0.25 Height: 0.00

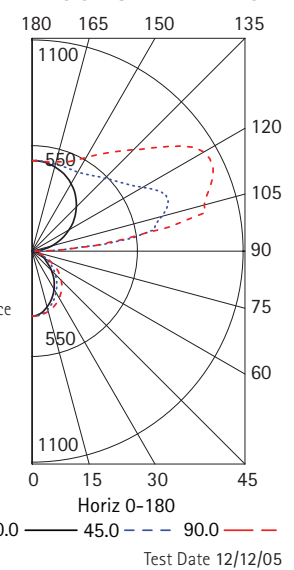
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	3954	3954	3954	3954	3954
30	3089	3170	3373	3644	3834
40	2634	2757	3048	3415	3691
45	2373	2505	2854	3268	3567
50	2062	2208	2646	3084	3413
55	1800	1923	2414	2864	3150
60	1713	1783	2135	2558	2722
65	1610	1693	1943	2221	2221
70	1544	1646	1921	1989	1818
75	1496	1677	1949	1949	1722
80	1488	1824	2027	1959	1689
85	1615	2288	2288	2154	1885

COEFFICIENTS OF UTILIZATION (%)

RCR	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	82	79	75	72	73	70	67	64	52	51	49	14	0
2	75	69	64	59	66	61	57	53	46	43	41	12	0
3	69	60	54	49	60	54	48	44	41	37	34	11	0
4	63	53	47	42	55	47	42	37	36	32	29	9	0
5	57	47	41	35	50	42	36	32	32	28	25	8	0
6	53	42	36	31	46	38	32	28	29	25	22	7	0
7	49	38	31	27	43	34	28	24	26	22	19	6	0
8	45	34	28	23	40	31	25	21	24	20	17	6	0
9	42	31	25	20	37	28	22	19	22	18	15	5	0
10	39	28	22	18	34	25	20	17	20	16	13	5	0

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	247	5.5	6.1
0-40	389	8.7	9.6
0-60	630	14.1	15.6
0-90	760	17.1	18.8
90-120	1607	36.1	39.8
90-130	2153	48.4	53.3
90-150	2881	64.7	71.3
90-180	3278	73.7	81.2
0-180	4038	90.7	100.0

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	90.7%
Luminaire Efficacy Rating (LER)	65
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.69 based on 3000 hrs. and \$0.08 per KWH

PHOTOMETRIC DATA

LUMINAIRE DATA Test 14107

Luminaire	NPLS-1T5HO-RPF-EP Nevis Plus Liso Architectural Curve 1 x 4 1-Lamp with Regressed Perforated Basket and Opal Overlay
Ballast	ICN-2S54
Ballast Factor	1.02
Lamp	F54T5HO
Lumens per Lamp	4450
Watts	63
Mounting	Pendant
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.23 90° = 1.20
Luminous Opening in Feet	Length: 3.67 Width: 0.25 Height: 0.00

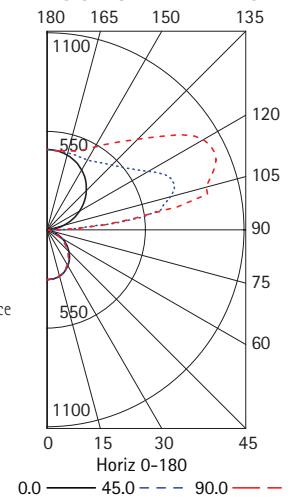
AVG. LUMINANCE (Candela/Sq. M.)

Angle	0.0	22.5	45.0	67.5	90.0
0	3261	3261	3261	3261	3261
30	3129	3116	3102	3075	3048
40	2986	2940	2910	2849	2803
45	2854	2821	2787	2688	2621
50	2719	2683	2646	2500	2427
55	2536	2475	2434	2270	2168
60	2276	2253	2206	1994	1854
65	1971	1971	1915	1693	1499
70	1578	1646	1646	1406	1166
75	1224	1405	1360	1179	952
80	946	1284	1284	1216	1013
85	942	1615	1615	1615	1346

COEFFICIENTS OF UTILIZATION (%)

RCR	80				70				50				0
	RW	70	50	30	10	70	50	30	10	50	30	10	0
1	79	76	72	70	70	67	64	62	50	48	47	13	0
2	72	66	61	57	63	58	54	51	44	41	39	11	0
3	66	58	52	47	58	51	46	42	39	35	33	10	0
4	60	51	45	40	53	45	40	36	34	31	28	8	0
5	55	46	39	34	48	40	35	31	31	27	24	7	0
6	51	41	34	29	44	36	30	26	27	24	21	6	0
7	47	37	30	25	41	32	27	23	25	21	18	6	0
8	43	33	27	22	38	29	24	20	22	19	16	5	0
9	40	30	24	20	35	27	21	18	20	17	14	5	0
10	37	27	21	17	33	24	19	16	19	15	12	4	0

INDOOR CANDELA PLOT



ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	214	4.8	5.5
0-40	346	7.8	8.9
0-60	578	13.0	14.9
0-90	689	15.5	17.7
90-120	1605	36.1	41.2
90-130	2133	47.9	54.8
90-150	2826	63.5	72.6
90-180	3202	72.0	82.3
0-180	3891	87.4	100.0

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

ENERGY DATA

Total Luminaire Efficiency	87.4%
Luminaire Efficacy Rating (LER)	63
ANSI/IESNA RP-1-2004 Compliance	Yes-VDT Intensive Use
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.81 based on 3000 hrs. and \$0.08 per KWH