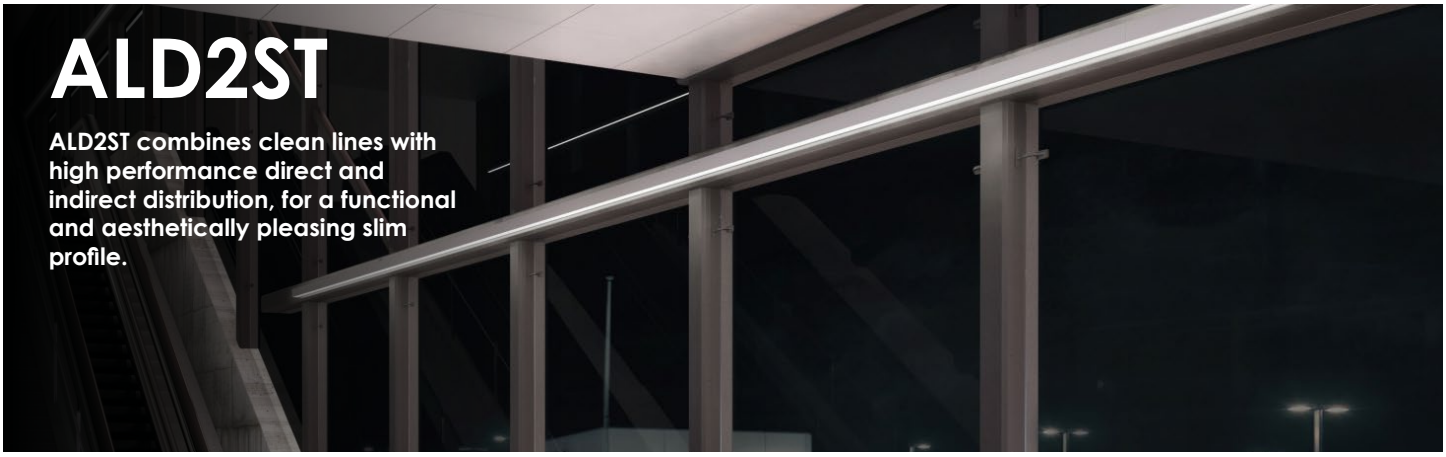


ALD2ST

ALD2ST combines clean lines with high performance direct and indirect distribution, for a functional and aesthetically pleasing slim profile.

WET Location · White tuning · nLIGHT Controls · HE Tech lens · eldoLED Drivers · Sensors · Dim. to warm · RGBW · BAA Buy American · ADA Compliant · Build America Buy America BABA · cULus Certified

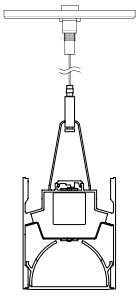
Performance

OUTPUT	DIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	Batwing Wide	1209 lm/ft	13 W/ft	93 lm/W
	1" Drop Lens	1118 lm/ft	13 W/ft	86 lm/W
	HE Tech™	1242 lm/ft	13.5 W/ft	92 lm/W
	Awash Kicker	1118 lm/ft	13 W/ft	86 lm/W
	Louver	793 lm/ft	13 W/ft	61 lm/W
	Wall Wash	924 lm/ft	10.5 W/ft	88 lm/W
	Room Fill	924 lm/ft	10.5 W/ft	88 lm/W

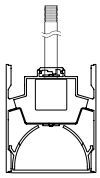
OUTPUT	INDIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	Asymmetric	1573 lm/ft	13 W/ft	121 lm/W
	Batwing Wide	1647 lm/ft	13.5 W/ft	122 lm/W
	Batwing Extra Wide	1607 lm/ft	13.5 W/ft	119 lm/W
	Dust cover	1311 lm/ft	13.5 W/ft	117 lm/W

The data shown represents the highest output configuration. For complete photometric data, refer to page 3 and 4.

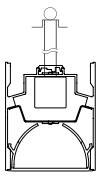
Mounting options



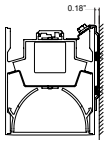
(S) Aircraft Cable



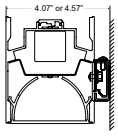
(P) Rigid Stem



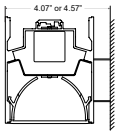
(PV) Swivel Stem



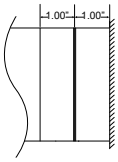
(R) Direct Wall Mount
ADA Compliant



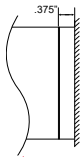
(M) Mullion Blocks



(H) H-Setoff Bracket

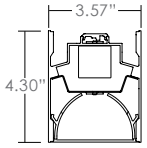


(J) Span

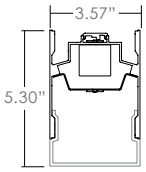


(JS) Partial Span

Dimensions

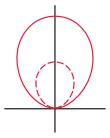


Indirect (BW)(BWW)(ASY)
Direct (HE)(LV)(WW)(BW)

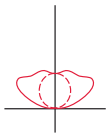


TIR Lens (BW)(BWW)(ASY)
1" Drop Lens (DL)

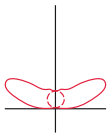
Distribution options



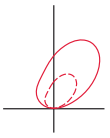
Diffused Dust Cover (D)



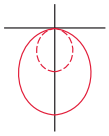
Batwing Wide (BW)



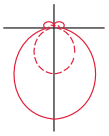
Batwing Extra-Wide (BWW)



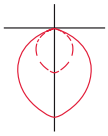
Asymmetric (ASY)



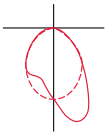
HE Tech™ (HE)



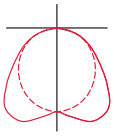
1" Drop Lens (DL)



Flat Blade Louvers (LV)

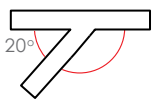


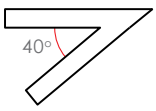
Wall Wash (WW)

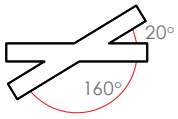


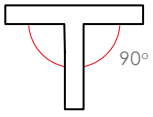
Batwing (BW)

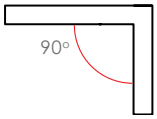
Multiple intersection and corners options

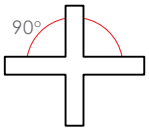




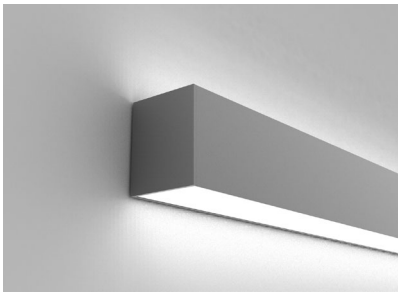








Project name | Type | Date | Quantities



Need help?
Don't see what you need?
We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have.

Our Design Assist team (**designassist@alights.com**) is here to make the process move smoothly.

ALD2ST						
SERIES	**LENGTH OR PATTERN TYPE**	**OUTPUT**	**LED CCT**	**CRI**	**VOLTAGE**	**DISTRIBUTION**
ALD2ST	**_** Nominal Length[1] **M_** Exact Length[2] **PL_** "L" Shape[3] **PU_** "U" Shape[3] **PR_** Rectangle/Square[3] **CP** Custom Pattern[4] Indicate length of each section of pattern either nominal or exact. [1] Specify in feet to the nearest foot (i.e. 12) [2] Specify in inches to the nearest 1/8 (i.e. 180.125) [3] Specify in inches to the nearest 1/8. [4] Contact Design Assist	**ILS** Indirect LED Standard **ILH** Indirect LED High **ILVH** Indirect LED Very High **IC_** Indirect LED Custom[1] **+** **DLS** Direct LED Standard **DLH** Direct LED High **DLVH** Direct LED Very High **DC_** Direct LED Custom[1] [1] Contact Design Assist for custom tuning or non-standard light outputs.	**27** 2700k **30** 3000k **35** 3500k **40** 4000k **DW** Dim-to-warm[1] **TW** Tunable White[1,2] **RW** RGBW (full color + 3000k White)[2,3] [1] Standard CCT range is 27-50K. Contact design assist for custom range. [1] Not available with Indirect Batwing wide, Batwing extra-wide, Asymmetric, Direct Wall Wash or Batwing wide. [2] Photometric data pending for Tunable White and RGBW. [3] RGBW is UL pending and only available in DMX dimming. Contact Design Assist for white CCTs other than 3000k.	**_** 80+ CRI **CRI** 90+ CRI[1] [1] Not available with Tunable White or Dim-to-Warm LED CCT. Contact Design Assist to discuss RGBW possibilities.	**U** 120-277V **3** 347V[1] [1] Not available with LEDcode or EM.	**D** Indirect Lambertian Dust Cover[1] **BW** Indirect Batwing Wide[2] **BWW** Indirect Batwing Extra-Wide[3] **ASY** Indirect Asymmetric **+** **HE** Direct HE Tech™[3] **LV** Direct Flat Blade Louver[4] **DL** Direct 1" Drop-Lens[3] **WW** Direct Wall Wash **BW** Direct Batwing Wide **RF** Direct Room Fill [1] Not available with Direct wall mount. Must be specified with Wet Location. [2] Not recommended for wall mount. [3] Not available with Wet Location. Available only with Lambertian distribution. [4] Aluminum Standard. Not available with wet location.

MOUNTING	**FINISH**	**CIRCUITING**	**DIMMING**	**EMERGENCY**
S Aircraft cable[1] **P_** Rigid stem[2] **PV_** Swivel stem[2] **R** Direct wall mount[3] **H_** H-Bracket mount[4] **M_** Mullion blocks[5] **JS** Partial span[6] **J** Full span[6, 7] Black power cord provided for black and titanium finish. White power cord provided for all other fixture finishes, unless otherwise specified. [1] Standard 48" field adjustable cable, specify length to nearest inch if over 48". [2] Indicate stem length to nearest inch. 6.00" minimum - 98" maximum. Coupler and multiple stems will be provided for requests longer than 98". Longer stems with coupler not recommended if fixture is exposed to winds/swivel pendant stem. [3] Adjustable mounting unavailable with wet location and Indirect dust cover, or Indirect batwing extra-wide distribution. [4] Enter "1" for 1" depth. Enter "5" for 1/2" depth. Not available with wet location. [5] Enter "1" for 1" depth. Enter "5" for 1/2" depth. Must verify with curtainwall manufacturer for fixture installation. [6] Not available with drop lens. [7] Specify in inches to the nearest 1/8"	**W** White **B** Black **T** Titanium **O_** Other[1] CBD SFH SPN SDW SCY LME SMN [1] Specify RAL# or other custom color.	**1** One circuit **2** Multi circuit[1] **M** Other[2] [1] Separate uplight and downlight circuits [2] Submit multi-circuiting requirement	**D** Standard 0-10V dimming[1] **D2** Phase dimming[2] **D3** DMX 0.1% dim-to-dark **D4** DALI dim-to-off **NAIR** nLight ®AIR (dim-to-off)[3] **NWIR** nLight ®Wired (dim-to-off) [1] 1% dimming standard unless otherwise specified. [2] Reference ERP-PHB driver for compatible dimmers. [3] nLight AIR components completely integrated into fixture. Not available with 347V + LEDcode or EM. If 347V, only available in 0-10v.	**EC** Circuited **E_** Battery[1] Not available for 347V. See technical data for more information. Not available on fixtures < 4' length. [1] Indicate length of separate EM circuit. If unknown, a 4' circuit will be provided by default. For full-length EM fixtures, no need to indicate EC. 4' fixtures will have a separate 2' EM circuit section. [2] Factory-installed emergency battery pack. Specify desired quantity of batteries

SENSORS	**OPTIONS**
OF_ Occupancy Sensor - Fixture **PF_** Photocell / Daylight Sensor - Fixture **OPF_** Occupancy / daylight Sensor - Fixture Specify quantity of sensors per fixture. Sensor will be matched to dimming input. All sensors to be integral to fixture. Remote sensors are to be provided by others.	**R** Right end cap feed **L** Left end cap feed **K** Natatorium application[1] **Q** Wet location[2] [1] Not available with aircraft cable, adjustable direct wall mount nor horizontal setoff bracket. See guide and contact Design Assist. Not compatible with Drop Lens, Flat Blade Louvers and Indirect Batwing extra-wide. Not available with integral sensors. [2] Not available with aircraft cable, adjustable direct wall mount nor horizontal setoff bracket. Wet location suitable in full coverage and/or mullion mounted applications (direct to sky not recommended); not suitable for extreme weather applications. Refer to Wet Location brochure and contact Design Assist for more information. Dust cover must be specified for uplight.

Project name | Type | Date | Quantities

Light distribution

DISTRIBUTION

Direct Lambertian HE Tech™
Direct Lambertian Flat blade louver
Direct Lambertian 1' Drop-lens
Direct Wall wash
Direct Batwing
Direct Room Fill
Indirect Lambertian Dust Cover
Indirect Batwing Wide
Indirect Batwing Extra-Wide
Indirect Asymmetric

OUTPUT (DC)

ILVH: Uplight very high - 13 W/ft
ILH: Uplight high output - 10.5 W/ft
ILS: Uplight standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

DLVH: Downlight very high output - 13 W/ft
DLH: Downlight high output - 10.5 W/ft
DLS: Downlight standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

Light loss factors (LLF) - Direct Data

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY											
				HE TECH™		LOUVER		1" DROP LENS		WALL WASH		BATWING WIDE		ROOM FILL	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	94 lm/W	77 lm/W	62 lm/W	51 lm/W	88 lm/W	72 lm/W	90 lm/W	74 lm/W	95 lm/W	78 lm/W	90 lm/W	74 lm/W
	3500K	1	0.83	92 lm/W	76 lm/W	61 lm/W	51 lm/W	86 lm/W	71 lm/W	88 lm/W	73 lm/W	93 lm/W	77 lm/W	88 lm/W	73 lm/W
	3000K	0.97	0.81	89 lm/W	75 lm/W	59 lm/W	49 lm/W	83 lm/W	70 lm/W	85 lm/W	71 lm/W	90 lm/W	75 lm/W	85 lm/W	71 lm/W
	2700K	0.94	0.79	86 lm/W	73 lm/W	57 lm/W	48 lm/W	81 lm/W	68 lm/W	83 lm/W	70 lm/W	87 lm/W	73 lm/W	83 lm/W	70 lm/W
LH (high)	4000K	1.02	0.84	98 lm/W	81 lm/W	62 lm/W	51 lm/W	92 lm/W	76 lm/W	91 lm/W	75 lm/W	100 lm/W	82 lm/W	91 lm/W	75 lm/W
	3500K	1	0.83	96 lm/W	80 lm/W	61 lm/W	51 lm/W	90 lm/W	75 lm/W	89 lm/W	74 lm/W	98 lm/W	81 lm/W	89 lm/W	74 lm/W
	3000K	0.97	0.81	93 lm/W	78 lm/W	59 lm/W	49 lm/W	87 lm/W	73 lm/W	86 lm/W	72 lm/W	95 lm/W	79 lm/W	86 lm/W	72 lm/W
	2700K	0.94	0.79	90 lm/W	76 lm/W	57 lm/W	48 lm/W	85 lm/W	71 lm/W	84 lm/W	70 lm/W	92 lm/W	77 lm/W	84 lm/W	70 lm/W
LS (standard)	4000K	1.02	0.84	106 lm/W	87 lm/W	67 lm/W	55 lm/W	100 lm/W	82 lm/W	98 lm/W	81 lm/W	108 lm/W	89 lm/W	98 lm/W	81 lm/W
	3500K	1	0.83	104 lm/W	86 lm/W	66 lm/W	55 lm/W	98 lm/W	81 lm/W	96 lm/W	80 lm/W	106 lm/W	88 lm/W	96 lm/W	80 lm/W
	3000K	0.97	0.81	101 lm/W	84 lm/W	64 lm/W	53 lm/W	95 lm/W	79 lm/W	93 lm/W	78 lm/W	103 lm/W	86 lm/W	93 lm/W	78 lm/W
	2700K	0.94	0.79	98 lm/W	82 lm/W	62 lm/W	52 lm/W	92 lm/W	77 lm/W	90 lm/W	76 lm/W	100 lm/W	84 lm/W	90 lm/W	76 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT											
				HE TECH™		LOUVER		1" DROP LENS		WALL WASH		BATWING WIDE		ROOM FILL	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1267 lm/ft	1043 lm/ft	809 lm/ft	666 lm/ft	1140 lm/ft	939 lm/ft	942 lm/ft	776 lm/ft	1233 lm/ft	1016 lm/ft	942 lm/ft	776 lm/ft
	3500K	1	0.83	1242 lm/ft	1031 lm/ft	793 lm/ft	658 lm/ft	1118 lm/ft	928 lm/ft	924 lm/ft	767 lm/ft	1209 lm/ft	1003 lm/ft	924 lm/ft	767 lm/ft
	3000K	0.97	0.81	1205 lm/ft	1006 lm/ft	769 lm/ft	642 lm/ft	1084 lm/ft	906 lm/ft	896 lm/ft	748 lm/ft	1173 lm/ft	979 lm/ft	896 lm/ft	748 lm/ft
	2700K	0.94	0.79	1167 lm/ft	981 lm/ft	745 lm/ft	626 lm/ft	1051 lm/ft	883 lm/ft	869 lm/ft	730 lm/ft	1136 lm/ft	955 lm/ft	869 lm/ft	730 lm/ft
LH (high)	4000K	1.02	0.84	1028 lm/ft	847 lm/ft	653 lm/ft	538 lm/ft	964 lm/ft	794 lm/ft	772 lm/ft	635 lm/ft	1050 lm/ft	1070 lm/ft	772 lm/ft	635 lm/ft
	3500K	1	0.83	1008 lm/ft	837 lm/ft	641 lm/ft	532 lm/ft	945 lm/ft	784 lm/ft	757 lm/ft	628 lm/ft	1029 lm/ft	1057 lm/ft	757 lm/ft	628 lm/ft
	3000K	0.97	0.81	978 lm/ft	816 lm/ft	621 lm/ft	519 lm/ft	917 lm/ft	765 lm/ft	734 lm/ft	613 lm/ft	998 lm/ft	1032 lm/ft	734 lm/ft	613 lm/ft
	2700K	0.94	0.79	948 lm/ft	796 lm/ft	602 lm/ft	506 lm/ft	888 lm/ft	747 lm/ft	711 lm/ft	598 lm/ft	967 lm/ft	1006 lm/ft	711 lm/ft	598 lm/ft
LS (standard)	4000K	1.02	0.84	530 lm/ft	437 lm/ft	337 lm/ft	277 lm/ft	500 lm/ft	412 lm/ft	392 lm/ft	323 lm/ft	541 lm/ft	935 lm/ft	392 lm/ft	323 lm/ft
	3500K	1	0.83	520 lm/ft	432 lm/ft	330 lm/ft	274 lm/ft	490 lm/ft	407 lm/ft	384 lm/ft	319 lm/ft	530 lm/ft	924 lm/ft	384 lm/ft	319 lm/ft
	3000K	0.97	0.81	504 lm/ft	421 lm/ft	320 lm/ft	267 lm/ft	475 lm/ft	397 lm/ft	372 lm/ft	311 lm/ft	514 lm/ft	902 lm/ft	372 lm/ft	311 lm/ft
	2700K	0.94	0.79	489 lm/ft	411 lm/ft	310 lm/ft	261 lm/ft	461 lm/ft	387 lm/ft	361 lm/ft	303 lm/ft	498 lm/ft	879 lm/ft	361 lm/ft	303 lm/ft

Project name | Type | Date | Quantities

Light loss factors (LLF) - Indirect Data

OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY							
				LAMBERTIAN DUST COVER		BATWING WIDE		BATWING EXTRA WIDE		ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	119 lm/W	98 lm/W	124 lm/W	102 lm/W	121 lm/W	100 lm/W	123 lm/W	102 lm/W
	3500K	1	0.83	117 lm/W	97 lm/W	122 lm/W	101 lm/W	119 lm/W	99 lm/W	121 lm/W	100 lm/W
	3000K	0.97	0.81	113 lm/W	95 lm/W	118 lm/W	99 lm/W	115 lm/W	96 lm/W	117 lm/W	98 lm/W
	2700K	0.94	0.79	110 lm/W	92 lm/W	115 lm/W	96 lm/W	112 lm/W	94 lm/W	114 lm/W	96 lm/W
LH (high)	4000K	1.02	0.84	124 lm/W	102 lm/W	131 lm/W	108 lm/W	128 lm/W	105 lm/W	124 lm/W	102 lm/W
	3500K	1	0.83	122 lm/W	101 lm/W	128 lm/W	106 lm/W	125 lm/W	104 lm/W	122 lm/W	101 lm/W
	3000K	0.97	0.81	118 lm/W	99 lm/W	124 lm/W	104 lm/W	121 lm/W	101 lm/W	118 lm/W	99 lm/W
	2700K	0.94	0.79	115 lm/W	96 lm/W	120 lm/W	101 lm/W	118 lm/W	99 lm/W	115 lm/W	96 lm/W
LS (standard)	4000K	1.02	0.84	135 lm/W	111 lm/W	142 lm/W	117 lm/W	139 lm/W	114 lm/W	135 lm/W	111 lm/W
	3500K	1	0.83	132 lm/W	110 lm/W	139 lm/W	115 lm/W	136 lm/W	113 lm/W	132 lm/W	110 lm/W
	3000K	0.97	0.81	128 lm/W	107 lm/W	135 lm/W	113 lm/W	132 lm/W	110 lm/W	128 lm/W	107 lm/W
	2700K	0.94	0.79	124 lm/W	104 lm/W	131 lm/W	110 lm/W	128 lm/W	107 lm/W	124 lm/W	104 lm/W

OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT							
				LAMBERTIAN DUST COVER		BATWING WIDE		BATWING EXTRA WIDE		ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1611 lm/ft	1327 lm/ft	1680 lm/ft	1383 lm/ft	1639 lm/ft	1349 lm/ft	1604 lm/ft	1321 lm/ft
	3500K	1	0.83	1580 lm/ft	1311 lm/ft	1647 lm/ft	1367 lm/ft	1607 lm/ft	1333 lm/ft	1573 lm/ft	1306 lm/ft
	3000K	0.97	0.81	1532 lm/ft	1279 lm/ft	1598 lm/ft	1334 lm/ft	1558 lm/ft	1301 lm/ft	1526 lm/ft	1274 lm/ft
	2700K	0.94	0.79	1485 lm/ft	1248 lm/ft	1548 lm/ft	1301 lm/ft	1510 lm/ft	1269 lm/ft	1479 lm/ft	1243 lm/ft
LH (high)	4000K	1.02	0.84	1307 lm/ft	1076 lm/ft	1371 lm/ft	1129 lm/ft	1339 lm/ft	1103 lm/ft	1307 lm/ft	1076 lm/ft
	3500K	1	0.83	1281 lm/ft	1063 lm/ft	1344 lm/ft	1116 lm/ft	1313 lm/ft	1089 lm/ft	1281 lm/ft	1063 lm/ft
	3000K	0.97	0.81	1243 lm/ft	1038 lm/ft	1304 lm/ft	1089 lm/ft	1273 lm/ft	1063 lm/ft	1243 lm/ft	1038 lm/ft
	2700K	0.94	0.79	1204 lm/ft	1012 lm/ft	1263 lm/ft	1062 lm/ft	1234 lm/ft	1037 lm/ft	1204 lm/ft	1012 lm/ft
LS (standard)	4000K	1.02	0.84	673 lm/ft	554 lm/ft	709 lm/ft	584 lm/ft	694 lm/ft	571 lm/ft	673 lm/ft	554 lm/ft
	3500K	1	0.83	660 lm/ft	548 lm/ft	695 lm/ft	577 lm/ft	680 lm/ft	564 lm/ft	660 lm/ft	548 lm/ft
	3000K	0.97	0.81	640 lm/ft	535 lm/ft	674 lm/ft	563 lm/ft	660 lm/ft	551 lm/ft	640 lm/ft	535 lm/ft
	2700K	0.94	0.79	620 lm/ft	521 lm/ft	653 lm/ft	549 lm/ft	639 lm/ft	537 lm/ft	620 lm/ft	521 lm/ft

Project name | Type | Date | Quantities

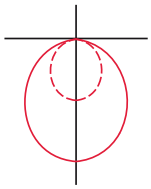
Photometric data

HE TECH™

LVH- 4FT- 3500K

Lumens: 1242 lm/ft
Input watts: 13.5 W/ft
Efficacy: 92 lm/W



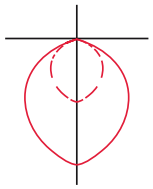


DIRECT FLAT BLADE LOUVERS

LVH- 4FT- 3500K

Lumens: 793 lm/ft
Input watts: 13 W/ft
Efficacy: 61 lm/W



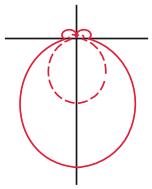


DIRECT 1" DROP-LENS

LVH- 4FT- 3500K

Lumens: 1118 lm/ft
Input watts: 13 W/ft
Efficacy: 86 lm/W



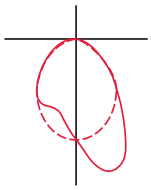


DIRECT WALL WASH

LVH- 4FT- 3500K

Lumens: 924 lm/ft
Input watts: 10.5 W/ft
Efficacy: 88 lm/W



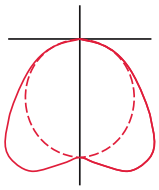


DIRECT BATWING WIDE

LVH- 4FT- 3500K

Lumens: 1209 lm/ft
Input watts: 13 W/ft
Efficacy: 93 lm/W



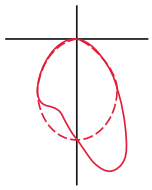


DIRECT ROOM FILL

LVH- 4FT- 3500K

Lumens: 924 lm/ft
Input watts: 10.5 W/ft
Efficacy: 88 lm/W

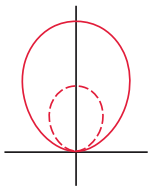




INDIRECT LAMBERTIAN DUST COVER

LVH- 4FT- 3500K

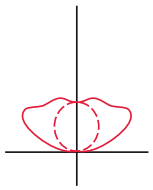
Lumens: 1118 lm/ft
Input watts: 13 W/ft
Efficacy: 86 lm/W



INDIRECT BATWING WIDE

LVH- 4FT- 3500K

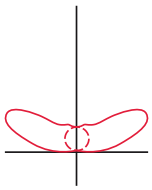
Lumens: 1118 lm/ft
Input watts: 13 W/ft
Efficacy: 86 lm/W



INDIRECT BATWING EXTRA-WIDE

LVH- 4FT- 3500K

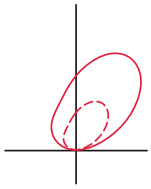
Lumens: 1242 lm/ft
Input watts: 13 W/ft
Efficacy: 95 lm/W



INDIRECT ASYMMETRIC

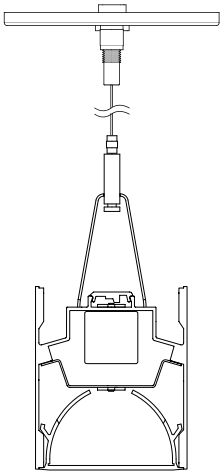
LVH- 4FT- 3500K

Lumens: 1209 lm/ft
Input watts: 13 W/ft
Efficacy: 93 lm/W

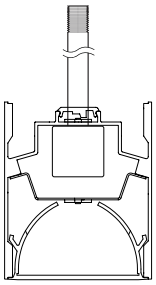


Project name | Type | Date | Quantities

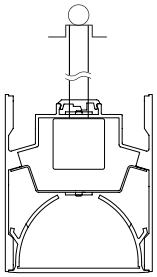
Mounting



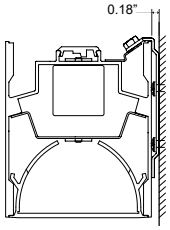
(S)
Aircraft Cable



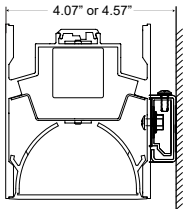
(P)
Rigid Stem



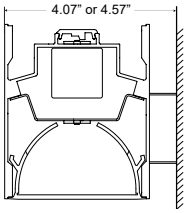
(PV)
Swivel Stem



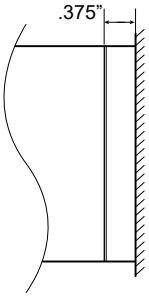
(R)
Direct Wall Mount
ADA Compliant



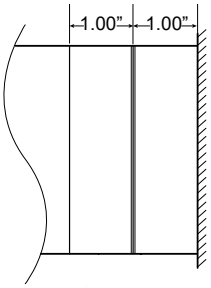
(M)
Mullion Blocks



(H)
H-Setoff Bracket



(JS)
Partial Span

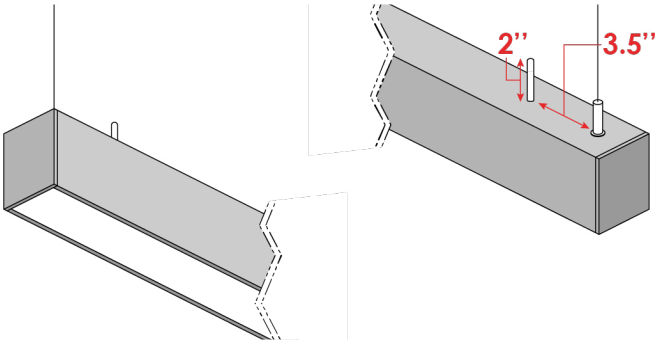


(J)
Span

Project name | Type | Date | Quantities

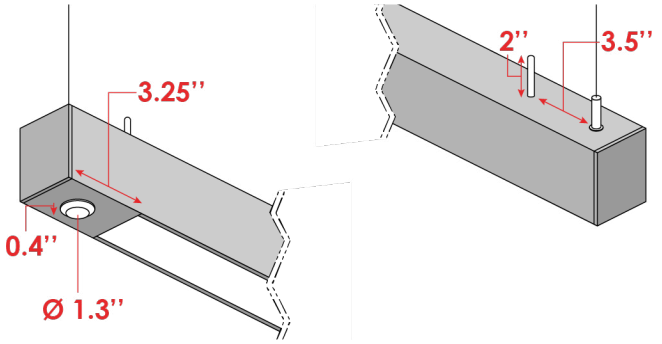
NLight dimensions

AIR : rl0



*Module for nLight AIR only

AIR : res7



*Sensor and filler panel for sensored nLight AIR only

Project name | Type | Date | Quantities

LINEAR DIMENSIONS

Nominal or exact lengths to the nearest 1/8th of an inch available as individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 12 feet. Patterns comprised of 90 degree precisely welded fully illuminated corners provide a multitude of geometric options and architectural transitions.

Custom - Contact Design Assist for modifications to product not detailed within this specification sheets.

OPTICS

The high-efficiency extruded diffuse acrylic lens technology, patented HE Tech™, features an integrated opaque white reflector. It delivers superior lumen output with optimal uniform lens surface luminance for direct distribution.

Flat Blade Louvers are used to cut down on glare and better control the light source on ALD2ST. This option includes a linear film diffuser (inserted between the louvers and the LEDs), that enhances glare control. The louvers standard finish is aluminum. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

Drop Lens is a light diffuser option for ALD2ST that turns the luminaire into a decorative graphical statement. The diffuser drops down from the luminaire's main body of 1" and sits flush with the metal end caps. Once lit, the drop lens glows vividly and offers a wider diffusion pattern.

Perimeter fill - Wall wash and Batwing wide for direct distributions are film optics that refract light along with an HE Tech™ extruded diffuse acrylic lens with integrated opaque white reflector.

Indirect distributions are offered with high efficiency TIR lenses are used to provide high quality precision optics. The output option offered are Batwing wide, Batwing Extra-Wide, Asymetric in (to orient light inside the profile) and Asymetric out (to orient light outside the profile).

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,0000hr; operated at reduced output for high efficacy and lumen maintenance. 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, High and Very High outputs. Refer to photometry for delivered lumens.

LED DIMMING DRIVER

Factory tuned constant current electronic 0-10V control dimming driver is standard. Specification grade dimming down to 1%. Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 50°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency.

EMERGENCY

This luminaire is provided with a factory installed LED emergency lighting battery pack for both normal and emergency operation, 120-277v only. This fixture integrated unit contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, in accordance with local code. Emergency mode provides constant power to a nominal 12W LED load for a period of 90 minutes, delivering 1200 lumens of unwavering illumination throughout the full 90 minute emergency duration. Unless otherwise specified, the emergency battery pack will illuminate one 2 foot end in the direct portion of the fixture. Not available in fixtures <4ft'.

Emergency circuiting provided as a separate circuit from normal power circuit according to NEC requirements, specify circuit length and location.

CONTROLS

Low-profile integral occupancy and daylight sensors are available to deliver high performance control in an architecturally pleasing package.

Integrated nLight ® for system networking wired and wireless:

NLIGHT ® AIR WIRELESS

The integrated API smart sensor is part of each luminaire in the nLight® AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application. Optionally you can order nLight® AIR less sensors for compatibility with an nLight Air wireless system. The rIO, rES7, rMSOD, and rCMS models are available for integration.

CONTROLS AND SYSTEM NETWORKING OPTIONS

For wired networking via Cat-5e, choose an nLight® wired module. The nIO EZ PH, nIO EZDL CCT, nES7 and nCM are available for integration.

nLight enabled, remote mounted controls provided by others. Please contact an Acuity controls representative for more information.

MOUNTING

Suspension with aircraft cables or pendant stems, and full or partial span mounting available.

Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length, comes factory installed in fixture. 4-1/2" x 4-1/2" square white canopies. Cord strain also included. Power cord options available for aircraft cable. Black power cord provided for black and titanium finish, white power cord provided for all other fixture finishes unless otherwise specified.

Rigid pendant stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" minimum and up to 98" maximum. Anything longer will be made up of multiple stems with couplers, provided by factory. 5" square mono point white canopies.

Swivel stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" minimum and up to 98" maximum. Anything longer will be made up of multiple stems with couplers, provided by factory; longer stems that require couplers are not recommended to be installed in direct contact with wind that will create a swivel. 5" square mono point white 45 degree angle swivel stem.

Specify if other suspension length is required. Canopies provided as required for quantity of power feed and non power feed locations (crossbar included for power feed only). Specify if other shape, size, or color is required.

Direct wall mounting is ADA compliant. Fixture mounts directly to wall surface requiring field drilled mounting and power feed holes. Factory pre-drilled holes can be drilled and tapped for ½" chase nipple, submit dimension requirements when ordering.

Mullion blocks are used to mount fixture to a horizontal or vertical window mullion and can also be used to offset fixture from wall. 0.5", 1" or 1.5" sheet metal mullion blocks are standard available. (2) blocks provided for extrusions 8ft or less, fixtures larger than 8ft additional blocks are provided as required. Quantity of power feed and non power feed blocks provided as required. Fixture mounting requires field drilled mounting and power feed holes. Factory pre-drilled holes can be drilled and tapped for ½" chase nipple, submit dimension requirements when ordering.

Horizontal Set-off brackets are used to offset fixture from a wall by 1" or ½".Wall side bracket attaches to horizontal single gang box on wall. Outside horizontal box is factory-installed to fixture side. Fixture side box hinges over wall bracket and two brackets are fastened together with set screw to secure fixture to wall. (2) brackets per fixture up to 12', on center spacing varies depending on overall fixture length.

Partial /Full span mounting conditions utilize special expansion joint end caps to mount fixture to wall (blocking required) and feed power through the end cap, specify end feed location. Additional attachment hardware provided as required depending on partial span condition. Provide architectural details at time of ordering for inclusion in factory shop drawings; field verified dimensions required for full span mounting. Not available with drop lens.

FINISH

Electrostatically applied powder coat finish. Standard finish options include titanium, white, and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for five (5) years. LED products (LED boards and drivers) will be covered for five (5) years. Please refer to the full terms and conditions on our website: www.alights.com/downloads/warranty/

LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

The ALD2ST is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA), Build America, Buy America (BABA) government procurement requirements under FAR, DFARS, and DOT.

Project name | Type | Date | Quantities