

ACL2ST

ACL2ST combines clean lines with high performance direct and indirect distribution, for a functional and aesthetically pleasing slim profile.

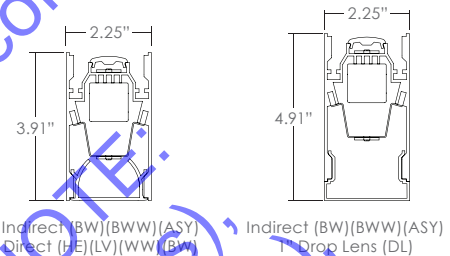


Performance

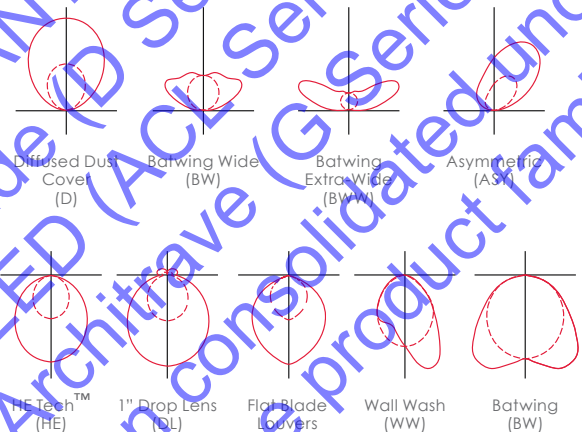
OUTPUT	DIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	HE Tech™	1242 lm/ft	13 W/ft	92 lm/W
	1" Drop Lens	1161 lm/ft	13.5 W/ft	86 lm/W
	Batwing Wide	1256 lm/ft	13.5 W/ft	93 lm/W
	Flat Blade Louver	793 lm/ft	13 W/ft	61 lm/W
	Wall Wash	1144 lm/ft	13 W/ft	88 lm/W
	Room Fill	1144 lm/ft	13 W/ft	88 lm/W
OUTPUT	INDIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
	Asymmetric	1521 lm/ft	13 W/ft	117 lm/W
	Batwing Wide	1526 lm/ft	13.5 W/ft	113 lm/W
	Batwing Extra Wide	1499 lm/ft	13.5 W/ft	111 lm/W
	Dust cover	1445 lm/ft	13.5 W/ft	107 lm/W

Based on static white 35K fixtures. For the complete photometric data of this fixture refer to pages 3 and 4.

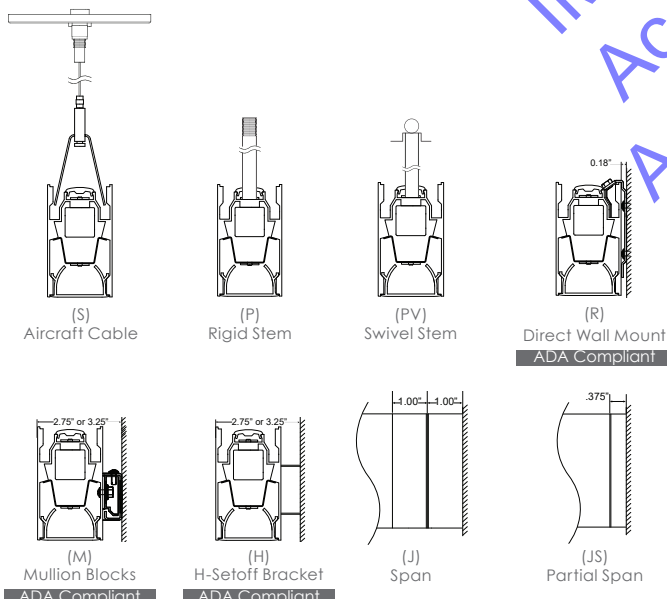
Dimensions



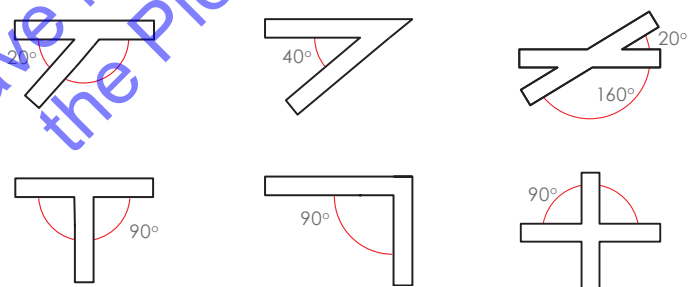
Distribution options



Mounting options



Multiple intersections 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.

ACL2ST										
SERIES	LENGTH OR PATTERN TYPE	OUTPUT		LED CCT		CRI	VOLTAGE	DISTRIBUTION		
ACL2ST	— M_ PL_ PU_ PR_ CP Nominal Length¹ Exact Length² "L" Shape³ "U" Shape³ Rectangle/Square³ Custom Pattern⁴ ILS ILH ILVH IC_ + DLS DLH DLVH DC_ Indirect LED Standard Indirect LED High Indirect LED Very high Indirect LED Custom¹ Direct LED Standard Direct LED High Direct LED Very high Direct LED Custom¹ 27 30 35 40 DW TW RW 2700k 3000k 3500k 4000k Dim-to-warm¹ Tunable White^{1,2} RGBW (full color + 3000k White)^{2,3} 80+ CRI CRI 90+ CRI¹ U 3 120-277V 347V^{1,2} D BW BWW ASY + HE LV DL WW BW RF Indirect Lambertian Dust Cover¹ Indirect Batwing Wide² Indirect Batwing Extra-Wide² Indirect Asymmetric Direct HE Tech^{TM3} Direct Flat Blade Louver⁴ Direct 1" Drop-Lens³ Direct Wall Wash Direct Batwing Wide Direct Room Fill <tr><td colspan="9"> Indicate length of each section of pattern either nominal or exact. ¹Specify in feet to the nearest foot (i.e. 12) ²Specify in inches to the nearest 1/8" (i.e. 180.125) ³Specify in inches to the nearest 1/8". ⁴Contact Design Assist ¹Contact Design Assist for custom tuning or non-standard light outputs. Standard CCT range 1927-5000K. Contact Design Assist for custom range. ¹Not available with Indirect Batwing wide, Batwing extra-wide, Asymmetric, Direct Wall Wash or Batwing wide. ²Photometric data pending for Tunable White and RGBW. ³RGBW is U.S. pending and only available in DMX dimming. Contact Design Assist for white CCTs other than 3000K. Not available with (TW) Tunable White or (DW) Dim-to-Warm. Contact Design Assist to discuss RGBW possibilities. ¹Not available with LEDcode or EM. ²Only available with a remote driver. ¹Not available with Direct wall mount. Must be specified with Wet Location. ²Not recommended for wall mount. ³Available only with Lambertian distribution. Not available in wet location. ⁴Aluminum Standard. Not available in wet location. </td></tr>	Indicate length of each section of pattern either nominal or exact. ¹Specify in feet to the nearest foot (i.e. 12) ²Specify in inches to the nearest 1/8" (i.e. 180.125) ³Specify in inches to the nearest 1/8". ⁴Contact Design Assist ¹Contact Design Assist for custom tuning or non-standard light outputs. Standard CCT range 1927-5000K. Contact Design Assist for custom range. ¹Not available with Indirect Batwing wide, Batwing extra-wide, Asymmetric, Direct Wall Wash or Batwing wide. ²Photometric data pending for Tunable White and RGBW. ³RGBW is U.S. pending and only available in DMX dimming. Contact Design Assist for white CCTs other than 3000K. Not available with (TW) Tunable White or (DW) Dim-to-Warm. Contact Design Assist to discuss RGBW possibilities. ¹Not available with LEDcode or EM. ²Only available with a remote driver. ¹Not available with Direct wall mount. Must be specified with Wet Location. ²Not recommended for wall mount. ³Available only with Lambertian distribution. Not available in wet location. ⁴Aluminum Standard. Not available in wet location.								
Indicate length of each section of pattern either nominal or exact. ¹Specify in feet to the nearest foot (i.e. 12) ²Specify in inches to the nearest 1/8" (i.e. 180.125) ³Specify in inches to the nearest 1/8". ⁴Contact Design Assist ¹Contact Design Assist for custom tuning or non-standard light outputs. Standard CCT range 1927-5000K. Contact Design Assist for custom range. ¹Not available with Indirect Batwing wide, Batwing extra-wide, Asymmetric, Direct Wall Wash or Batwing wide. ²Photometric data pending for Tunable White and RGBW. ³RGBW is U.S. pending and only available in DMX dimming. Contact Design Assist for white CCTs other than 3000K. Not available with (TW) Tunable White or (DW) Dim-to-Warm. Contact Design Assist to discuss RGBW possibilities. ¹Not available with LEDcode or EM. ²Only available with a remote driver. ¹Not available with Direct wall mount. Must be specified with Wet Location. ²Not recommended for wall mount. ³Available only with Lambertian distribution. Not available in wet location. ⁴Aluminum Standard. Not available in wet location.										

MOUNTING		FINISH		CIRCUITING		DIMMING		EMERGENCY	
S	Aircraft cable ¹	W	White	1	One circuit	D	Standard 0-10V dimming ¹	EC	Circuited ¹
P	Rigid stem ²	B	Black	2	Multi circuit ¹	D2	Phase dimming ²	E	Battery ²
PV	Swivel stem ²	T	Titanium	M	Other ²	D3	DMX 0-1% dim-to-dark		
R	Direct wall mount ³	O	Other			D4	DALI dim-to-off		
H	H-Bracket mount ⁴					NAIR	nLight @AIR (dim-to-off) ³		
M	Mullion blocks ⁵					NWIR	nLight @Wired (dim-to-off)		
JS	Partial span ⁶								
J	Full span ⁶								
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.		CBD SPN SCY SMN SFH SDW LME Specify RAL# or other custom color		1 2 M Separate uplight and downlight circuits Submit multi-circuiting requirement		11% dimming standard unless otherwise specified. ²Reference ERP-PHB driver for compatible dimmers. ³nLight AIR components are factory integrated into fixture. Not available with 347V+ LEDcode or EM. If 347V+ not available 0-10V. Not available for 347V. See technical data for more information. Not available on fixtures < 4' length. 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 EM. All fixtures will have a separate 2' EM circuit section. ²Factory-installed emergency battery pack. Specify required quantity of batteries.			

SENSORS		OPTIONS	
OF_	Occupancy Sensor - Fixture	R	Right end cap feed
PF_	Photocell / Daylight Sensor - Fixture	L	Left end cap feed
OPF_	Occupancy / daylight Sensor - Fixture	K	Natorium application ¹
		Q	Wet location ²
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.		¹ Not available with aircraft cable, adjustable direct wall mount nor horizontal selfoff 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 selfoff 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.	

Light distribution

DISTRIBUTION

Direct Lambertian HE Tech™
Direct Lambertian Flat blade louver
Direct Lambertian " Drop-lens
Direct Wall wash
Direct Batwing
Direct Room Fill

Indirect Batwing wide
Indirect Batwing extra-wide
Indirect Asymmetric
Indirect Lambertian 1"

OUTPUT (DC)

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

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT											
				BATWING WIDE		1" DROP LENS		HETECH		LOUVER		WALL WASH		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	1281 lm/ft	1055 lm/ft	1184 lm/ft	975 lm/ft	1267 lm/ft	1043 lm/ft	809 lm/ft	666 lm/ft	1167 lm/ft	961 lm/ft	1167 lm/ft	961 lm/ft
	3500K	1	0.83	1256 lm/ft	1042 lm/ft	1161 lm/ft	964 lm/ft	1242 lm/ft	1031 lm/ft	793 lm/ft	658 lm/ft	1144 lm/ft	950 lm/ft	1144 lm/ft	950 lm/ft
	3000K	0.97	0.81	1218 lm/ft	1017 lm/ft	1126 lm/ft	940 lm/ft	1205 lm/ft	1006 lm/ft	769 lm/ft	642 lm/ft	1110 lm/ft	927 lm/ft	1110 lm/ft	927 lm/ft
	2700K	0.94	0.79	1180 lm/ft	992 lm/ft	1091 lm/ft	917 lm/ft	1167 lm/ft	981 lm/ft	745 lm/ft	626 lm/ft	1075 lm/ft	904 lm/ft	1075 lm/ft	904 lm/ft
LH (high)	4000K	1.02	0.84	1050 lm/ft	864 lm/ft	964 lm/ft	794 lm/ft	1028 lm/ft	847 lm/ft	653 lm/ft	538 lm/ft	953 lm/ft	785 lm/ft	953 lm/ft	785 lm/ft
	3500K	1	0.83	1029 lm/ft	854 lm/ft	945 lm/ft	784 lm/ft	1008 lm/ft	837 lm/ft	641 lm/ft	532 lm/ft	935 lm/ft	776 lm/ft	935 lm/ft	776 lm/ft
	3000K	0.97	0.81	998 lm/ft	833 lm/ft	917 lm/ft	765 lm/ft	978 lm/ft	816 lm/ft	621 lm/ft	519 lm/ft	906 lm/ft	757 lm/ft	906 lm/ft	757 lm/ft
	2700K	0.94	0.79	967 lm/ft	813 lm/ft	888 lm/ft	747 lm/ft	948 lm/ft	796 lm/ft	602 lm/ft	506 lm/ft	878 lm/ft	738 lm/ft	878 lm/ft	738 lm/ft
LS (standard)	4000K	1.02	0.84	541 lm/ft	445 lm/ft	500 lm/ft	412 lm/ft	530 lm/ft	437 lm/ft	337 lm/ft	277 lm/ft	490 lm/ft	403 lm/ft	490 lm/ft	403 lm/ft
	3500K	1	0.83	530 lm/ft	440 lm/ft	490 lm/ft	407 lm/ft	520 lm/ft	432 lm/ft	330 lm/ft	274 lm/ft	480 lm/ft	398 lm/ft	480 lm/ft	398 lm/ft
	3000K	0.97	0.81	514 lm/ft	429 lm/ft	475 lm/ft	397 lm/ft	504 lm/ft	421 lm/ft	320 lm/ft	267 lm/ft	466 lm/ft	389 lm/ft	466 lm/ft	389 lm/ft
	2700K	0.94	0.79	498 lm/ft	419 lm/ft	461 lm/ft	387 lm/ft	489 lm/ft	411 lm/ft	310 lm/ft	261 lm/ft	451 lm/ft	379 lm/ft	451 lm/ft	379 lm/ft

Light loss factors (LLF) - Indirect data

OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY							
				ASYMMETRIC		BATWING WIDE		BATWING EXTRA WIDE		LAMBERTIAN (DUST COVER)	
		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	115 lm/W	95 lm/W	113 lm/W	93 lm/W	109 lm/W	90 lm/W
	3500K	1	0.83	117 lm/W	97 lm/W	113 lm/W	94 lm/W	111 lm/W	92 lm/W	107 lm/W	89 lm/W
	3000K	0.97	0.81	113 lm/W	95 lm/W	110 lm/W	92 lm/W	108 lm/W	90 lm/W	104 lm/W	87 lm/W
	2700K	0.94	0.79	110 lm/W	92 lm/W	106 lm/W	89 lm/W	104 lm/W	88 lm/W	101 lm/W	85 lm/W
LH (high)	4000K	1.02	0.84	126 lm/W	104 lm/W	120 lm/W	99 lm/W	118 lm/W	97 lm/W	114 lm/W	94 lm/W
	3500K	1	0.83	124 lm/W	103 lm/W	118 lm/W	98 lm/W	116 lm/W	96 lm/W	112 lm/W	93 lm/W
	3000K	0.97	0.81	120 lm/W	100 lm/W	114 lm/W	96 lm/W	113 lm/W	94 lm/W	109 lm/W	91 lm/W
	2700K	0.94	0.79	117 lm/W	98 lm/W	111 lm/W	93 lm/W	109 lm/W	92 lm/W	105 lm/W	88 lm/W
LS (standard)	4000K	1.02	0.84	131 lm/W	108 lm/W	131 lm/W	108 lm/W	129 lm/W	106 lm/W	124 lm/W	102 lm/W
	3500K	1	0.83	128 lm/W	106 lm/W	128 lm/W	106 lm/W	126 lm/W	105 lm/W	122 lm/W	101 lm/W
	3000K	0.97	0.81	124 lm/W	104 lm/W	124 lm/W	104 lm/W	122 lm/W	102 lm/W	118 lm/W	99 lm/W
	2700K	0.94	0.79	120 lm/W	101 lm/W	120 lm/W	101 lm/W	118 lm/W	100 lm/W	115 lm/W	96 lm/W

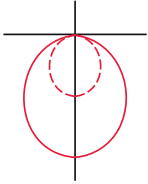
OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT							
				ASYMMETRIC		BATWING WIDE		BATWING EXTRA WIDE		LAMBERTIAN (DUST COVER)	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1551 lm/ft	1278 lm/ft	1556 lm/ft	1281 lm/ft	1528 lm/ft	1259 lm/ft	1473 lm/ft	1213 lm/ft
	3500K	1	0.83	1521 lm/ft	1262 lm/ft	1526 lm/ft	1266 lm/ft	1499 lm/ft	1244 lm/ft	1445 lm/ft	1199 lm/ft
	3000K	0.97	0.81	1475 lm/ft	1232 lm/ft	1480 lm/ft	1266 lm/ft	1454 lm/ft	1214 lm/ft	1401 lm/ft	1170 lm/ft
	2700K	0.94	0.79	1430 lm/ft	1202 lm/ft	1434 lm/ft	1205 lm/ft	1409 lm/ft	1184 lm/ft	1358 lm/ft	1141 lm/ft
LH (high)	4000K	1.02	0.84	1265 lm/ft	1042 lm/ft	1264 lm/ft	1041 lm/ft	1242 lm/ft	1023 lm/ft	1200 lm/ft	988 lm/ft
	3500K	1	0.83	1240 lm/ft	1029 lm/ft	1239 lm/ft	1028 lm/ft	1218 lm/ft	1011 lm/ft	1176 lm/ft	976 lm/ft
	3000K	0.97	0.81	1203 lm/ft	1004 lm/ft	1202 lm/ft	1004 lm/ft	1181 lm/ft	987 lm/ft	1141 lm/ft	953 lm/ft
	2700K	0.94	0.79	1166 lm/ft	980 lm/ft	1165 lm/ft	979 lm/ft	1145 lm/ft	962 lm/ft	1105 lm/ft	929 lm/ft
LS (standard)	4000K	1.02	0.84	653 lm/ft	538 lm/ft	653 lm/ft	538 lm/ft	643 lm/ft	529 lm/ft	622 lm/ft	512 lm/ft
	3500K	1	0.83	640 lm/ft	531 lm/ft	640 lm/ft	531 lm/ft	630 lm/ft	523 lm/ft	610 lm/ft	506 lm/ft
	3000K	0.97	0.81	621 lm/ft	518 lm/ft	621 lm/ft	518 lm/ft	611 lm/ft	510 lm/ft	592 lm/ft	494 lm/ft
	2700K	0.94	0.79	602 lm/ft	506 lm/ft	602 lm/ft	506 lm/ft	592 lm/ft	498 lm/ft	573 lm/ft	482 lm/ft

Photometric data

HE TECH™

LVH- 4FT- 3500K

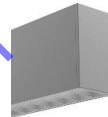
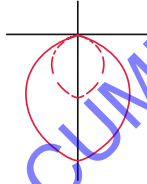
Lumens: 1242 lm/ft
Input watts: 13.5 W/ft
Efficacy: 92 lm/W



DIRECT FLAT BLADE LOUVERS

LVH- 4FT- 3500K

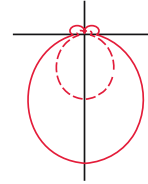
Lumens: 793 lm/ft
Input watts: 13 W/ft
Efficacy: 61 lm/W



DIRECT 1" DROP-LENS

LVH- 4FT- 3500K

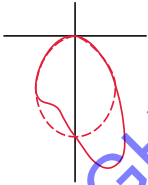
Lumens: 1161 lm/ft
Input watts: 13.5 W/ft
Efficacy: 86 lm/W



DIRECT WALL WASH

LVH- 4FT- 3500K

Lumens: 1144 lm/ft
Input watts: 13 W/ft
Efficacy: 88 lm/W



DIRECT BATWING

LVH- 4FT- 3500K

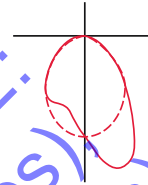
Lumens: 1256 lm/ft
Input watts: 13.5 W/ft
Efficacy: 93 lm/W



DIRECT ROOM FILL

LVH- 4FT- 3500K

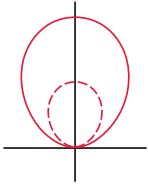
Lumens: 1144 lm/ft
Input watts: 13 W/ft
Efficacy: 88 lm/W



INDIRECT LAMBERTIAN

LVH- 4FT- 3500K

Lumens: 1418 lm/ft
Input watts: 13.5 W/ft
Efficacy: 105 lm/W



INDIRECT BATWING WIDE

LVH- 4FT- 3500K

Lumens: 1526 lm/ft
Input watts: 13.5 W/ft
Efficacy: 113 lm/W



INDIRECT BATWING EXTRA-WIDE

LVH- 4FT- 3500K

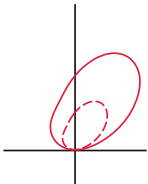
Lumens: 1499 lm/ft
Input watts: 13.5 W/ft
Efficacy: 111 lm/W



INDIRECT ASYMMETRIC

LVH- 4FT- 3500K

Lumens: 1521 lm/ft
Input watts: 13 W/ft
Efficacy: 117 lm/W



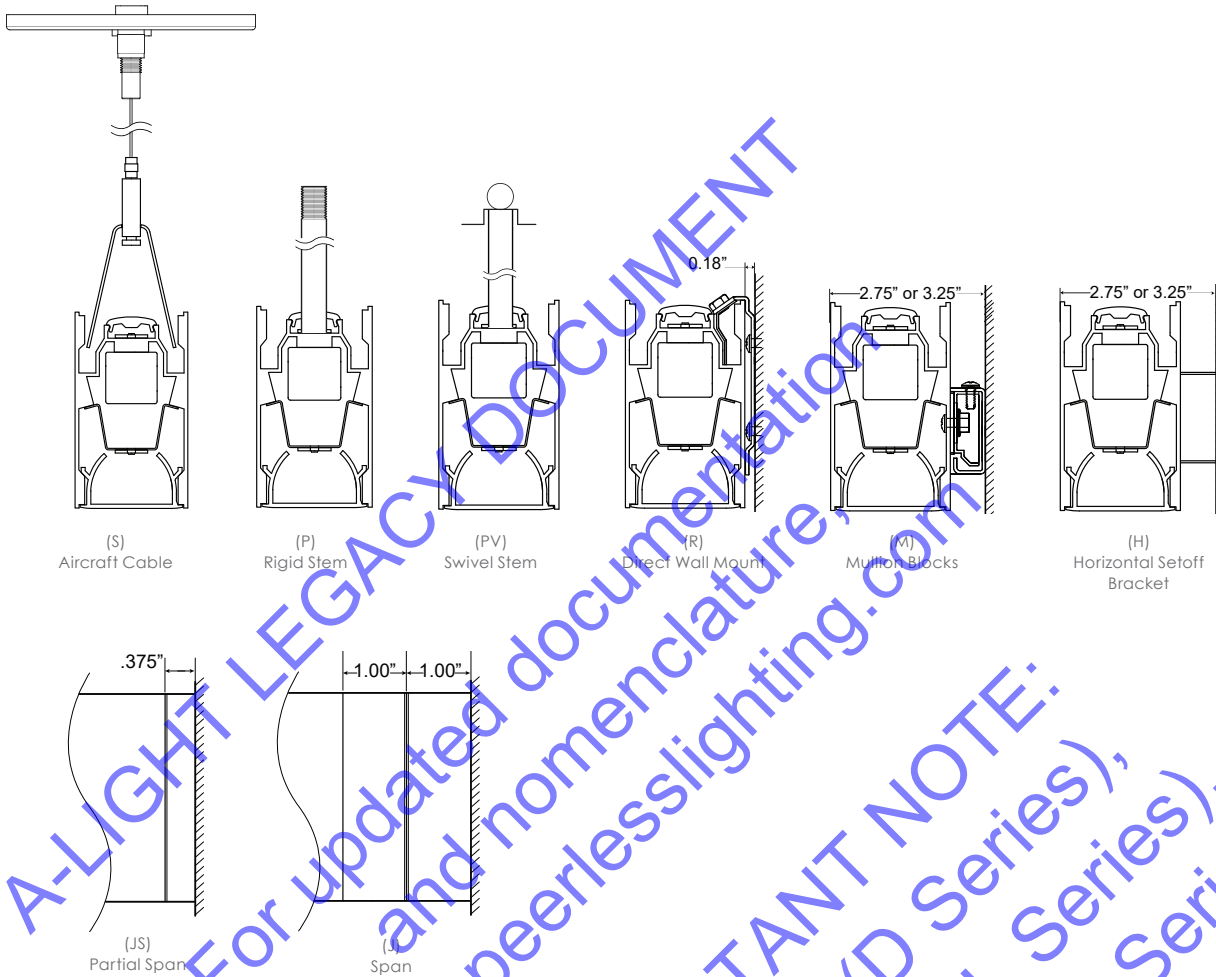
Project name

Type

Date

Quantities

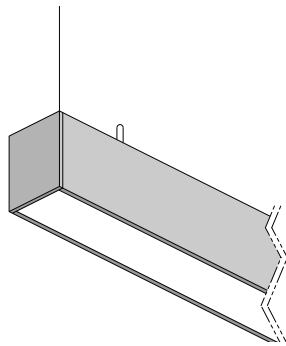
Mounting



IMPORTANT NOTE:
Accolade (D Series),
AccoLED (ACL Series),
and Architrave (G Series)
have been consolidated under
the Pierline product family.

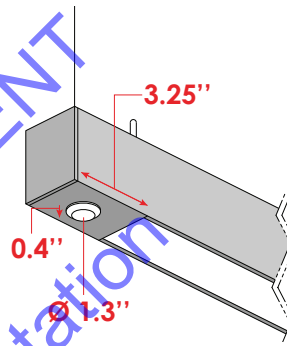
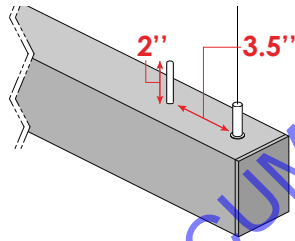
NLight dimensions

AIR : r10

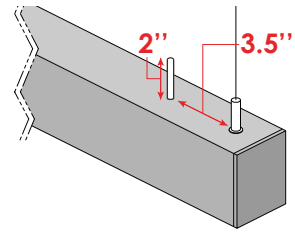


*Module for nLight AIR only

AIR : res7



*Sensor and filler panel for sensed 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 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 ACL2ST. 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 ACL2ST 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.

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, and are used to provide high quality precision optics. The output option offered are Batwing wide, Batwing Extra-Wide, Asymmetric in (to orient light inside the profile) and Asymmetric 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>60,000hr; 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, by others 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.

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 nIO, 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, rES7 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 with powerfeed canopy 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 1/2" 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 1/2" chase nipple, submit dimension requirements when ordering.

Horizontal Set-off brackets are used to offset fixture from a wall by 1" or 1/2". 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 ACL2ST is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA), Build American, Buy America (BABA), government procurement requirements under FAR, DFARS, and DOTS.