

ACL9

ACL9 is a bold perimeter slot/reveal lighting luminaire that delivers ceiling to wall illumination with optimized performance using our patented HE Tech™ lens. A smart shadow mold bracket assembly promotes easy installation for both flush and 3" regressed mounting in common ceiling types.

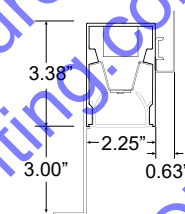


Performance

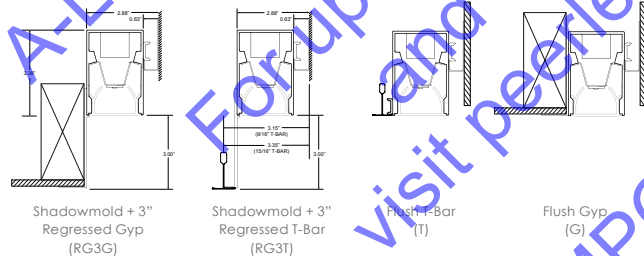
OUTPUT	DIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	HE Tech™	1170 lm/ft	13 W/ft	90 lm/W

Data shown with Flush Gyp, offering the highest light output among all options. Please consult factory for custom lumen output and wattage.

Dimensions



Mounting options



Distribution options



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.

Fast track nomenclature only. For complete options see "standard" specsheet.

ACL9							
SERIES	LENGTH		OUTPUT	CCT		CRI	VOLTAGE
ACL9	M_ Exact length ¹	LS	Standard Output	30K	3000k	80+ CRI	U 120V-277V
		LH	High Output	35K	3500k		
		LVH	Very high Output	40K	4000k		
		C_	Custom Output ¹				
	¹ Specify in inches to the nearest 1/8 (i.e. 180.125)		¹ Contact Design Assist for custom tuning or non-standard light outputs.				

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DIRECT OPTICS		MOUNTING		FINISH		DIMMING		OPTIONS		OTHER	
HE	HE Tech™	G	Flush Gyp	W	White	D	Standard 0-10V dimming¹	R	Right Endcap Feed	FT	Fast Track¹
		T	Flush T-Bar	B	Black	NAIR	nLight @AIR (dim-to-off)²	L	Left Endcap Feed		
		RG3G	Shadowmold + 3" Regressed Gyp	T	Titanium			Q	Wet Location¹		
		RG3T	Shadowmold + 3" Regressed T-Bar					CP	Chicago Plenum		
						¹1% dimming standard unless otherwise specified. ²nLight AIR components completely integrated into fixture.		¹Wet location suitable in full coverage applications. Refer to Wet Location brochure and contact Design Assist for more information.		¹Option must be in part number in order to be considered fast track.	

¹ 1% dimming standard unless otherwise specified.
² nLight AIR components completely integrated into fixture.

¹ Wet location suitable in full coverage applications. Refer to Wet Location brochure and contact Design Assist for more information.

¹ Option must be in part number in order to be considered fast track.

Project name

Type

Date

Quantities

Light distribution

DISTRIBUTION

Direct Symmetric

OUTPUT

LVH: Very high output - 13 W/ft

LH: High output - 10 W/ft

LS: Standard output - 4.5 W/ft

C: Custom tuned output - Contact Design Assist

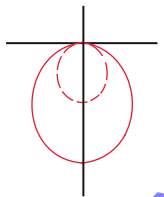
Photometric data

DIRECT SYMMETRIC

LVH - 4FT - 3500K - HE TECH

Lumens: 1170 lm/ft
 Input watts: 13 W/ft
 Efficacy: 90 lm/W

LH: ———
 LS: - - - - -

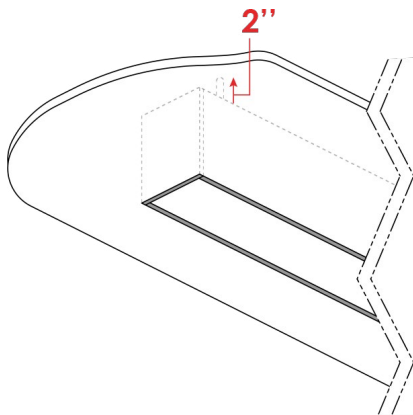


Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		EFFICACY				OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT			
				G HE TECH		RG3G HE TECH						G HE TECH		RG3G HE TECH	
		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	92 lm/W	76 lm/W	90 lm/W	74 lm/W	LVH (very high)	4000K	1.02	0.84	1193 lm/ft	983 lm/ft	1167 lm/ft	961 lm/ft
	3500K	1	0.83	90 lm/W	75 lm/W	88 lm/W	73 lm/W		3500K	1	0.83	1170 lm/ft	971 lm/ft	1144 lm/ft	950 lm/ft
	3000K	0.97	0.81	87 lm/W	73 lm/W	85 lm/W	71 lm/W		3000K	0.97	0.81	1135 lm/ft	948 lm/ft	1110 lm/ft	927 lm/ft
	2700K	0.94	0.79	85 lm/W	71 lm/W	83 lm/W	70 lm/W		2700K	0.94	0.79	1100 lm/ft	924 lm/ft	1075 lm/ft	904 lm/ft
LH (high)	4000K	1.02	0.84	98 lm/W	81 lm/W	95 lm/W	78 lm/W	LH (high)	4000K	1.02	0.84	979 lm/ft	806 lm/ft	949 lm/ft	781 lm/ft
	3500K	1	0.83	96 lm/W	80 lm/W	93 lm/W	77 lm/W		3500K	1	0.83	960 lm/ft	797 lm/ft	930 lm/ft	772 lm/ft
	3000K	0.97	0.81	93 lm/W	78 lm/W	90 lm/W	75 lm/W		3000K	0.97	0.81	931 lm/ft	778 lm/ft	902 lm/ft	753 lm/ft
	2700K	0.94	0.79	90 lm/W	76 lm/W	87 lm/W	73 lm/W		2700K	0.94	0.79	902 lm/ft	758 lm/ft	874 lm/ft	735 lm/ft
LS (standard)	4000K	1.02	0.84	112 lm/W	92 lm/W	109 lm/W	90 lm/W	LS (standard)	4000K	1.02	0.84	505 lm/ft	416 lm/ft	491 lm/ft	404 lm/ft
	3500K	1	0.83	110 lm/W	91 lm/W	107 lm/W	89 lm/W		3500K	1	0.83	495 lm/ft	411 lm/ft	482 lm/ft	400 lm/ft
	3000K	0.97	0.81	107 lm/W	89 lm/W	104 lm/W	87 lm/W		3000K	0.97	0.81	480 lm/ft	401 lm/ft	467 lm/ft	390 lm/ft
	2700K	0.94	0.79	103 lm/W	87 lm/W	101 lm/W	85 lm/W		2700K	0.94	0.79	465 lm/ft	391 lm/ft	453 lm/ft	380 lm/ft

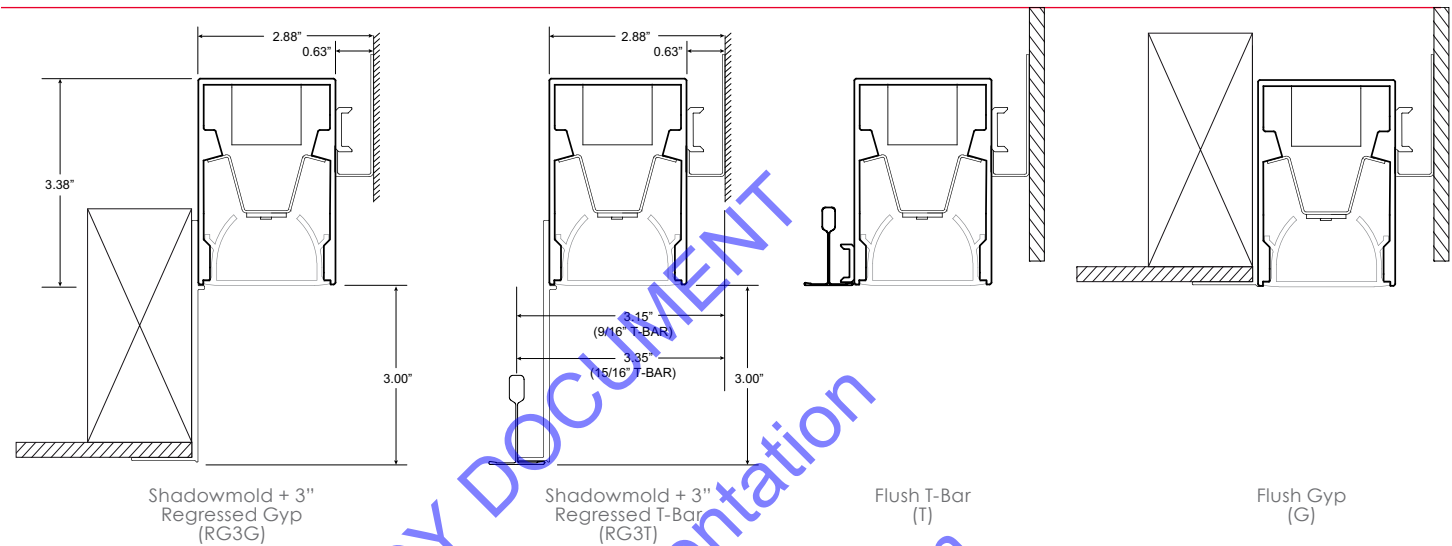
NLight dimensions

AIR : rIO Recessed

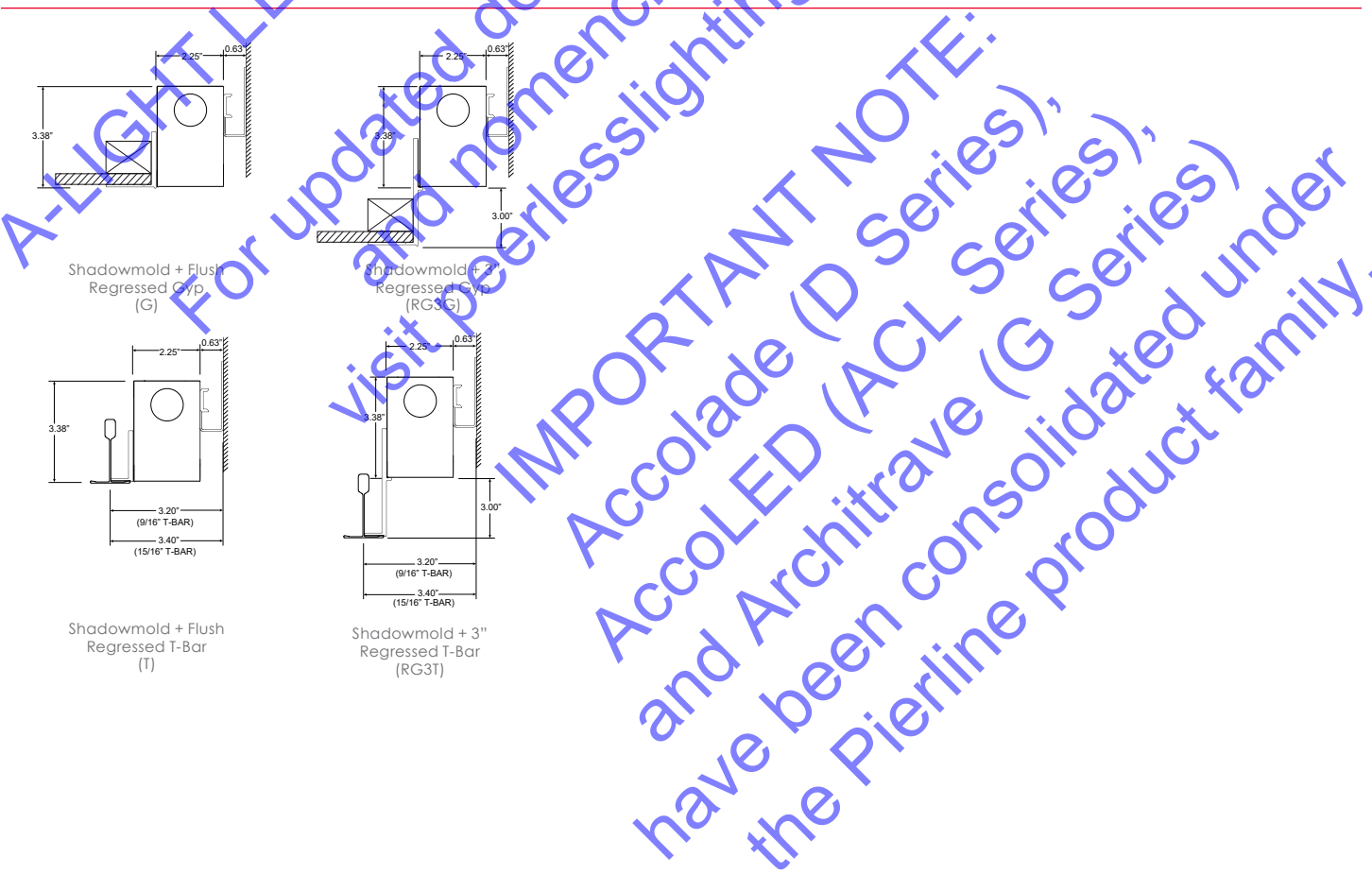


*Module for nLightAIR only.

Mounting



Endcap details



LINEAR DIMENSIONS

Exact lengths to the nearest 1/8th of an inch available as individual fixtures or joined to create continuous row lengths.

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.

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. 3000K, 3500K, and 4000K with 80+ CRI standard. 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.

CONTROLS

Integrated nLight® for system networking wireless.

NLIGHT® AIR WIRELESS

The rIO model IS available for integration.

MOUNTING

Shadowmold. Upper and lower fixture raw aluminum flanges provide choice of flush or 3" regress perimeter shadowmold mounting. A black shadowmold (J-mold) bracket is secured to the wall using blocking as required and attachment hardware (by others). Upper fixture flange attaches to j-molding to create a 5/8" gap between fixture and wall.

For Tbar: rest lower fixture flange on top side of tbar ceiling system and secure to structure with tie wires at fixture ends. Gyp: lower fixture flange is attached gyp ceiling and blocking (by others), then mudded over and/or painted by installing contractor. For continuous fixture runs, fixture should be supported every 12 feet using support wires or threaded rod (by others).

FINISH

Electrostatically applied powder coat finish. Standard finish options include titanium, white, and black.

LISTING

IC Rated for IC, Airtight, CCEA Ceilings. CCEA mark applied for Chicago Plenum applications. 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 ACL9 is assembled in the U.S.A. and complies with the Buy America(n) Act(BAA) government procurement requirements under FAR, DFARS, and DOTS.

WARRANTY

Please refer to the full terms and conditions on our website: www.alights.com/downloads/warranty/