

PROJECT INFO _____ DATE _____

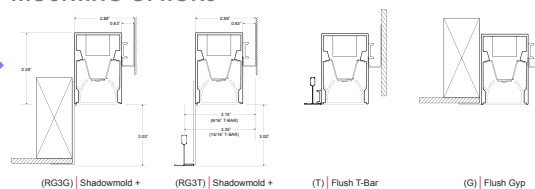
TYPE	QUANTITY
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PERFORMANCE AT 3500K

OUTPUT	OPTICS	NOMINAL		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LH (high)	HE Tech™	1075 lm/ft	9.8 W/ft	109 lm/W
	Flat Blade Louver*	982 lm/ft	9.8 W/ft	100 lm/W
LS (standard)	HE Tech™	572 lm/ft	4.9 W/ft	117 lm/W
	Flat Blade Louver*	517 lm/ft	4.9 W/ft	106 lm/W

Custom tuned output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage

MOUNTING OPTIONS



ACL9								
SERIES	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE	DIRECT OPTICS		
ACL9	M_ Exact Length*	LS Standard Output	27 2700K	80+ CRI	U 120V - 277V	HE HE Tech™		
	PL "L" Shape**	LH High Output	30 3000K	90+ CRI*	3 347V*	LV Flat Blade Louvers		
	PU "U" Shape**	C_ Custom Output*	35 3500K					
	PR Rectangle / Square**		40 4000K					
	CP Custom Pattern***		TW Tunable White*					
			DW Dim-to-warm*					

*Specify in inches to then nearest 1/8 (i.e. M180.125)
 **Specify in inches to the nearest 1/8 (See Pattern Guide)
 ***Contact Design Assist

*Available from 25% to 125% of LED high output
 *Standard CCT range is 27-50K. Contact design assist for custom range.
 *Not offered with (TW) Tunable white or (DW) Dim-to-warm.
 *Not available with LED code or EM.
 *Aluminum Standard. Not available with Wet Location.

MOUNTING		FINISH		DIMMING		EMERGENCY	
G	Flush Gyp*	T	Titanium	D	Standard 0-10V dimming*	EC	Emergency - circuited
T	Flush T-Bar*	W	White	D2	Phase dimming**	E_	Emergency - battery
RG3G	Shadowmold + 3" Regressed Gyp	B	Black	D3	DMX 0,1% dim-to-dark		
RG3T	Shadowmold + 3" Regressed T-Bar	O_	Other*	D4	DALI dim-to-off		
				NAIR	nLight @AIR (dim-to-off)***		
				NWIR	nLight @Wired (dim-to-off)		
			CBD		SFH		
			SPN		SDW		
			SCY		LME		
			SMN				
*Sensors only available with flush gyp or t-bar mounting.		*Specify RAL#		*Dimming to be rated for standard 0-10V dimming. **Reference ERF-PHS driver for compatible dimmer. ***nLight_AIR components completely integrated into fixture. Not available with 347 V + LEDcode or EM, 344 V, only available with 347 V + LEDcode or EM.		Not available for 347V. See technical data for more information. Not available on fixtures < 4" length. *Factory-installed emergency battery pack. Specify desired quantity of batteries.	

SENSOR		OPTIONS	
OF	Occupancy Sensor - Fixture	M	Multi-Circuit*
PF	Photocell / Daylight Sensor - Fixture	R	Right Endcap Feed
OPF	Occupancy & daylight Sensor - Fixture	L	Left Endcap Feed
		EX	Extended endcaps**
		K	Natatorium Application***
		Q	Wet Location****
		CP	Chicago Plenum
		MRI	MRI*****
		*Submit multi-circuiting requirements	
		**Extended end cap's height covers profile height and height of regress flange, extra spackle flange with regressed gypsum.	
		***Not compatible with Flat Blade Louvers Option. See guide and consult Design Assist.	
		****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 Louver brochure and contact Design Assist for more information. Not compatible with Flat Blade Louvers Option.	
		***** Review MRI brochure for more information.	

*Sensor will be matched to dimming input. All sensors to be integral to fixture. Remote sensors are to be provided by others.
Only available with flush gyp or flush bar mounting.

LIGHT DISTRIBUTION

DISTRIBUTION

Direct Symmetric

OUTPUT

LH: High output - 9.8 W/ft
LS: Standard output - 4.9 W/ft
C: Custom tuned output - Contact Design Assist

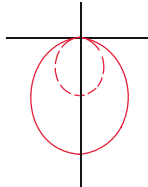
PHOTOMETRIC DATA

DIRECT SYMMETRIC

LH - 4FT - 3500K - HE TECH

Lumens: 1075 lm/ft
Input watts: 9.8 W/ft
Efficacy: 109 lm/W

LH: 
LS: 

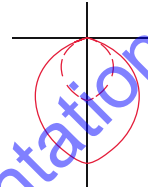


DIRECT SYMMETRIC

LH - 4FT - 3500K - BLADE LOUVERS

Lumens: 982 lm/ft
Input watts: 9.8 W/ft
Efficacy: 100 lm/W

LH: 
LS: 



LIGHT LOSS FACTORS (LLF)

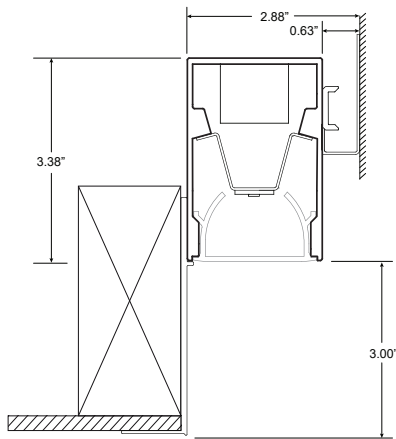
OUTPUT	CCT	CRI 80+				CRI 90+			
		%	OPTICS		%	OPTICS		%	
			HE Tech™	Flat Blade Louver		HE Tech™	Flat Blade Louver		
LH (high)	4000k	102.1%	1098 lm/ft	1003 lm/ft	90.2%	970 lm/ft	886 lm/ft		
	3500k	100.0%	1075 lm/ft	982 lm/ft	87.3%	938 lm/ft	857 lm/ft		
	3000k	96.2%	1034 lm/ft	945 lm/ft	82.4%	886 lm/ft	809 lm/ft		
	2700k	92.6%	995 lm/ft	909 lm/ft	78.1%	840 lm/ft	767 lm/ft		
LS (standard)	4000k	54.3%	584 lm/ft	528 lm/ft	48.0%	516 lm/ft	466 lm/ft		
	3500k	53.2%	572 lm/ft	517 lm/ft	46.4%	499 lm/ft	451 lm/ft		
	3000k	51.2%	550 lm/ft	497 lm/ft	43.8%	471 lm/ft	426 lm/ft		
	2700k	49.2%	529 lm/ft	478 lm/ft	41.6%	447 lm/ft	404 lm/ft		

For standard output (LS) -50%.

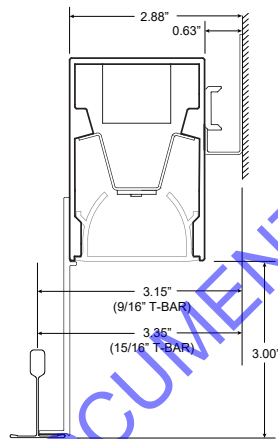
TUNNABLE WHITE | LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	CRI 80+		
		%	OPTICS	
			HE Tech™	Flat Blade Louver
LH (High)	5000k	100%	890 lm/ft	847 lm/ft
	2700k	93.6%	833 lm/ft	776 lm/ft
LS (Standard)	5000k	100%	469 lm/ft	446 lm/ft
	2700k	93.6%	439 lm/ft	409 lm/ft

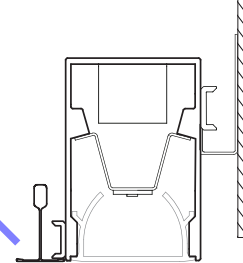
For standard output (LS) -50%. Values are applicable for Tunable White and Dim-to-warm only.



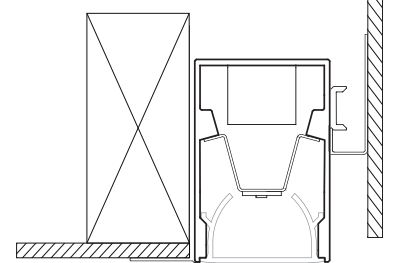
(RG3G) Shadowmold + 3" Gyp



(RG3T) Shadowmold + 3" Regressed T-bar

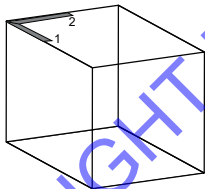


(T) Flush T-Bar

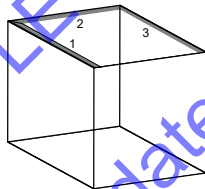


(G) Flush Gyp

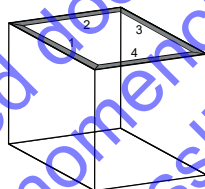
STANDARD PATTERNS



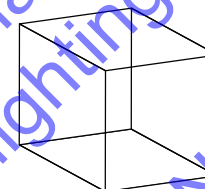
(PLC) Ceiling only



(PUC) Ceiling only

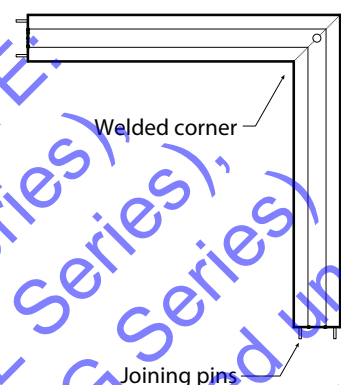


(PRC) Ceiling only

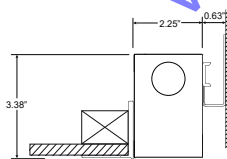


(CP) Custom pattern

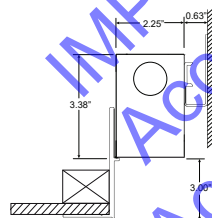
CORNER DETAIL



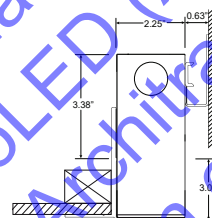
ENDCAP DETAILS



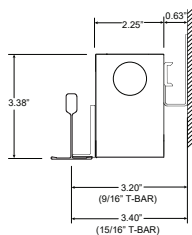
(G) Shadow Mold + Flush Regressed Gyp



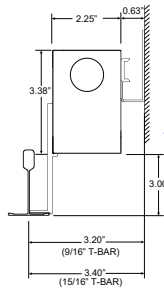
(RG3G) Shadow Mold + 3" Regressed Gyp



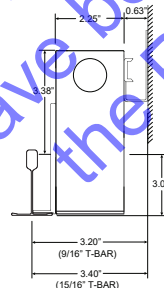
(RG3G) Shadow Mold + 3" Regressed Gyp + EX



(T) Shadow Mold + Flush Regressed T-Bar



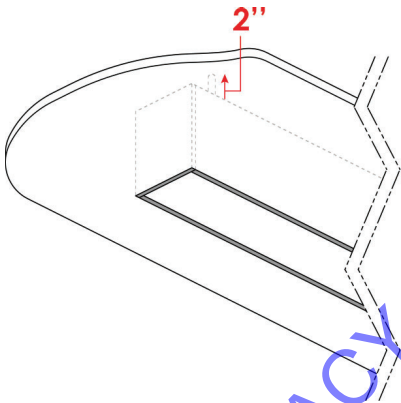
(RG3T) Shadow Mold + 3" Regressed T-Bar



(RG3T) Shadow Mold + 3" Regressed T-Bar + EX

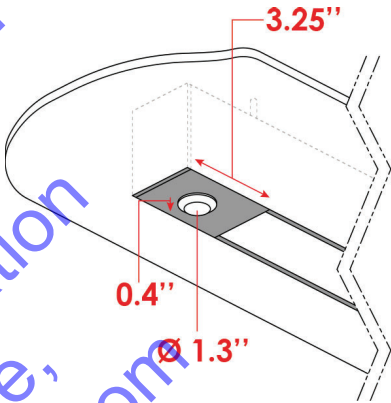
NLIGHT® DIMENSIONS

AIR : rIO Recessed



*Fixture mounted sensors and filler panel for nLightAIR only.

AIR : res7 Recessed



*Fixture mounted sensors and filler panel for nLightAIR only.

LINEAR DIMENSIONS

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 inches. 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

HE Tech™ is a patented, high efficacy extruded acrylic lens. The high performance diffuse lens has an integrated opaque white reflector that delivers superior lumen output with optimal lens surface luminance.

Flat Blade Louvers are used to cut down on glare and better control the light source on ACL9. 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.

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 LM-79 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, and High outputs. Refer to photometry for delivered lumens. Custom output available in the range 25% to 125% of high output, contact factory.

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 nLO 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 nLO EZ PH, nLO 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

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 T-bar: rest lower fixture flange on top side of t-bar 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).

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Aluminum joiner brackets. 4 lbs/ft approximate fixture weight.

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.

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.

WARRANTY

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