

D9

D9 is a bold perimeter slot/reveal lighting luminaire that delivers ceiling to wall illumination with optimized performance using our patented HE Tech™ lens.

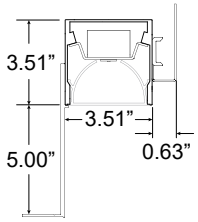
Sensors · Location · Warranty · Location · Drivers · Controls · Certified · RGBW · Buy American · BABA · White tuning · Dim. to warm

Performance

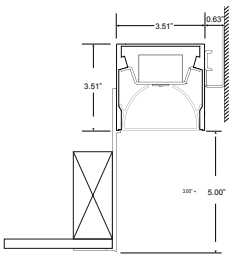
OUTPUT	OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	HE Tech™	1300 lm/ft	13 W/ft	100 lm/W
	Flat Blade Louver[1]	716 lm/ft	13 W/ft	53 lm/W

For the complete photometric data of this fixture, go to page 3.
[1] Flat Blade Louver calculated using the aluminum finish.

Dimensions

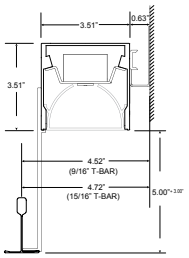


Mounting options



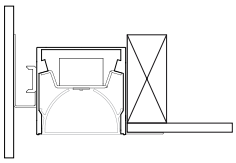
Shadowmold + 3" Regressed Gyp (RG3G)

Shadowmold + 5" Regressed Gyp (RG5G)

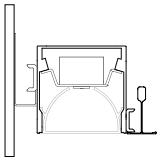


Shadowmold + 3" Regressed T-Bar (RG3T)

Shadowmold + 5" Regressed T-Bar (RG5T)



Flush Gyp (G)



Flush T-Bar (T)

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.

D9						
SERIES	**LENGTH OR PATTERN TYPE**	**OUTPUT**	**LED CCT**	**CRI**	**VOLTAGE**	**DIRECT OPTICS**
D9	**M_** Exact Length[1] **PL_** "L" Shape[2] **PU_** "U" Shape[2] **PR_** Rectangle/Square[2] **CP** Custom Pattern[3] Indicate length of each section of pattern either nominal or exact. [1] Specify in inches to the nearest 1/8 (i.e. 180.125) [2] Specify in inches to the nearest 1/8 (See Pattern Guide for details) [3] Contact Design Assist	**LS** Standard Output **LH** High Output **LVH** Very high output **C_** Custom Output[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. [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 (TW) Tunable White or (DW) Dim-to-Warm. Contact Design Assist to discuss RGBW possibilities.	**U** 120-277V **3** 347V[1] [1] Not available with LEDcode or EM.	**HE** HE Tech™ **LV** Flat Blade Louver[1] [1] Aluminum Standard. Not available with Wet Location.

MOUNTING	**FINISH**	**DIMMING**	**EMERGENCY**
G Flush Gyp[1] **T** Flush T-Bar[1] **RG3G** Shadowmold + 3" Regressed Gyp **RG3T** Shadowmold + 3" Regressed T-Bar **RG5G** Shadowmold + 5" Regressed Gyp **RG5T** Shadowmold + 5" Regressed T-Bar [1] Sensors only available with Flush gyp or T-bar mounting.	**W** White **B** Black **T** Titanium **O_** Other[1] CBD SFH SPN SDW SCY LME SMN [1] Specify RAL# or other custom color.	**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[1] **E_** Battery[2] 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 [1] 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. Only available with flush gyp or flush tbar mounting.	**M** Multi-Circuit[1] **R** Right Endcap Feed **L** Left Endcap Feed **EX** Extended endcaps[2] **K** Natatorium Application[3] **Q** Wet Location[4] **CP** Chicago Plenum **MRI** MRI[5] [1] Submit multi-circuiting requirements [2] Extended end cap's height covers profile height and height of regress flange; extra spackle flange with regressed gypsum. [3] Not compatible with Flat Blade Louvers Optics. See guide and contact Design Assist. [4] 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. Not compatible with Flat Blade Louvers Optics. [5] Review MRI brochure for more information.

Project name | Type | Date | Quantities

Light distribution

DISTRIBUTION

Direct Symmetric

OUTPUT (DC)

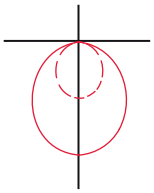
LVH: Uplight very high output - 13 W/ft
LH: Uplight high output - 10.5 W/ft
LS: Uplight standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

Photometric Data

DIRECT SYMMETRIC
LVH - 3500K - HE TECH™

Lumens: 1300 lm/ft
Input watts: 13 W/ft
Efficacy: 100 lm/W

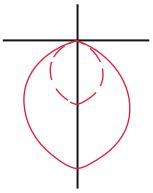
LH: ———
LS: — — — —



DIRECT SYMMETRIC
LVH - 3500K - FLAT LOUVERS

Lumens: 716 lm/ft
Input watts: 13 W/ft
Efficacy: 53 lm/W

LH: ———
LS: — — — —



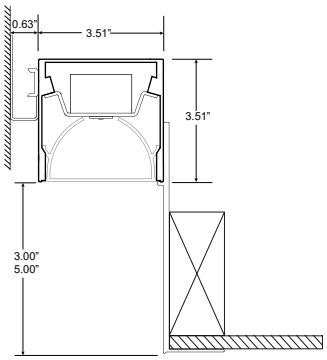
Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY											
				G HE TECH		RG3G HE TECH		RG5G HE TECH		G LOUVER		RG3G LOUVER		RG5G LOUVER	
		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	102 lm/W	84 lm/W	94 lm/W	77 lm/W	96 lm/W	79 lm/W	54 lm/W	45 lm/W	51 lm/W	42 lm/W	50 lm/W	41 lm/W
	3500K	1	0.83	100 lm/W	83 lm/W	92 lm/W	76 lm/W	94 lm/W	78 lm/W	53 lm/W	44 lm/W	50 lm/W	42 lm/W	49 lm/W	41 lm/W
	3000K	0.97	0.81	97 lm/W	81 lm/W	89 lm/W	75 lm/W	91 lm/W	76 lm/W	51 lm/W	43 lm/W	49 lm/W	41 lm/W	48 lm/W	40 lm/W
	2700K	0.94	0.79	94 lm/W	79 lm/W	86 lm/W	73 lm/W	88 lm/W	74 lm/W	50 lm/W	42 lm/W	47 lm/W	40 lm/W	46 lm/W	39 lm/W
LH (high)	4000K	1.02	0.84	108 lm/W	89 lm/W	99 lm/W	81 lm/W	97 lm/W	80 lm/W	56 lm/W	46 lm/W	52 lm/W	43 lm/W	53 lm/W	44 lm/W
	3500K	1	0.83	106 lm/W	88 lm/W	97 lm/W	81 lm/W	95 lm/W	79 lm/W	55 lm/W	46 lm/W	51 lm/W	42 lm/W	52 lm/W	43 lm/W
	3000K	0.97	0.81	103 lm/W	86 lm/W	94 lm/W	79 lm/W	92 lm/W	77 lm/W	53 lm/W	45 lm/W	49 lm/W	41 lm/W	50 lm/W	42 lm/W
	2700K	0.94	0.79	100 lm/W	84 lm/W	91 lm/W	77 lm/W	89 lm/W	75 lm/W	52 lm/W	43 lm/W	48 lm/W	40 lm/W	49 lm/W	41 lm/W
LS (standard)	4000K	1.02	0.84	112 lm/W	92 lm/W	107 lm/W	88 lm/W	105 lm/W	87 lm/W	61 lm/W	50 lm/W	60 lm/W	50 lm/W	57 lm/W	47 lm/W
	3500K	1	0.83	110 lm/W	91 lm/W	105 lm/W	87 lm/W	103 lm/W	85 lm/W	60 lm/W	50 lm/W	59 lm/W	49 lm/W	56 lm/W	46 lm/W
	3000K	0.97	0.81	107 lm/W	89 lm/W	102 lm/W	85 lm/W	100 lm/W	83 lm/W	58 lm/W	49 lm/W	57 lm/W	48 lm/W	54 lm/W	45 lm/W
	2700K	0.94	0.79	103 lm/W	87 lm/W	99 lm/W	83 lm/W	97 lm/W	81 lm/W	56 lm/W	47 lm/W	55 lm/W	47 lm/W	53 lm/W	44 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT											
				G HE TECH		RG3G HE TECH		RG5G HE TECH		G LOUVER		RG3G LOUVER		RG5G LOUVER	
		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	1326 lm/ft	1092 lm/ft	1267 lm/ft	1043 lm/ft	1246 lm/ft	1026 lm/ft	730 lm/ft	601 lm/ft	638 lm/ft	525 lm/ft	675 lm/ft	556 lm/ft
	3500K	1	0.83	1300 lm/ft	1079 lm/ft	1242 lm/ft	1031 lm/ft	1222 lm/ft	1014 lm/ft	716 lm/ft	594 lm/ft	625 lm/ft	519 lm/ft	662 lm/ft	549 lm/ft
	3000K	0.97	0.81	1261 lm/ft	1053 lm/ft	1205 lm/ft	1006 lm/ft	1185 lm/ft	990 lm/ft	694 lm/ft	580 lm/ft	606 lm/ft	506 lm/ft	642 lm/ft	536 lm/ft
	2700K	0.94	0.79	1222 lm/ft	1027 lm/ft	1167 lm/ft	981 lm/ft	1149 lm/ft	965 lm/ft	673 lm/ft	565 lm/ft	588 lm/ft	494 lm/ft	622 lm/ft	523 lm/ft
LH (high)	4000K	1.02	0.84	1081 lm/ft	890 lm/ft	1039 lm/ft	856 lm/ft	1017 lm/ft	838 lm/ft	589 lm/ft	485 lm/ft	520 lm/ft	428 lm/ft	557 lm/ft	459 lm/ft
	3500K	1	0.83	1060 lm/ft	880 lm/ft	1019 lm/ft	845 lm/ft	998 lm/ft	828 lm/ft	578 lm/ft	479 lm/ft	510 lm/ft	423 lm/ft	546 lm/ft	453 lm/ft
	3000K	0.97	0.81	1028 lm/ft	859 lm/ft	988 lm/ft	825 lm/ft	968 lm/ft	808 lm/ft	560 lm/ft	468 lm/ft	495 lm/ft	413 lm/ft	530 lm/ft	442 lm/ft
	2700K	0.94	0.79	996 lm/ft	837 lm/ft	957 lm/ft	805 lm/ft	938 lm/ft	788 lm/ft	543 lm/ft	456 lm/ft	479 lm/ft	403 lm/ft	513 lm/ft	431 lm/ft
LS (standard)	4000K	1.02	0.84	561 lm/ft	462 lm/ft	536 lm/ft	441 lm/ft	525 lm/ft	433 lm/ft	306 lm/ft	252 lm/ft	271 lm/ft	223 lm/ft	286 lm/ft	235 lm/ft
	3500K	1	0.83	550 lm/ft	457 lm/ft	525 lm/ft	436 lm/ft	515 lm/ft	427 lm/ft	300 lm/ft	249 lm/ft	266 lm/ft	220 lm/ft	280 lm/ft	232 lm/ft
	3000K	0.97	0.81	534 lm/ft	446 lm/ft	509 lm/ft	425 lm/ft	500 lm/ft	417 lm/ft	291 lm/ft	243 lm/ft	258 lm/ft	215 lm/ft	272 lm/ft	227 lm/ft
	2700K	0.94	0.79	517 lm/ft	435 lm/ft	494 lm/ft	415 lm/ft	484 lm/ft	407 lm/ft	282 lm/ft	237 lm/ft	250 lm/ft	210 lm/ft	263 lm/ft	221 lm/ft

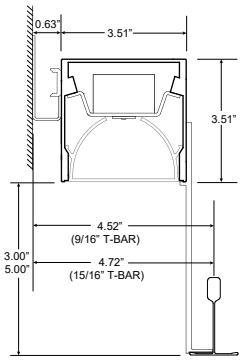
Project name | Type | Date | Quantities

Mounting



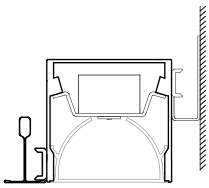
Shadowmold + 3"
Regressed Gyp
(RG3G)

Shadowmold + 5"
Regressed Gyp
(RG5G)

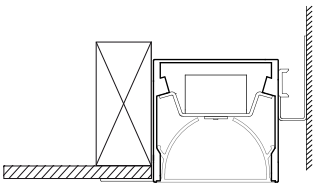


Shadowmold + 3"
Regressed T-Bar
(RG3T)

Shadowmold + 5"
Regressed T-Bar
(RG5T)

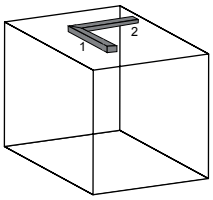


Flush T-Bar
(T)

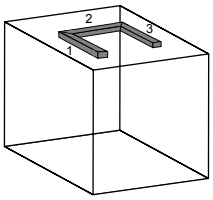


Flush Gyp
(G)

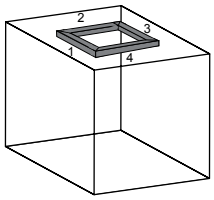
Standard patterns



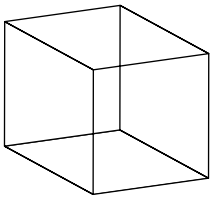
(PL) Ceiling only



(PU) Ceiling only

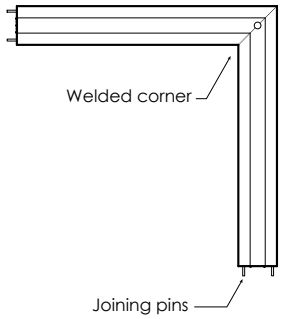


(PR) Ceiling only

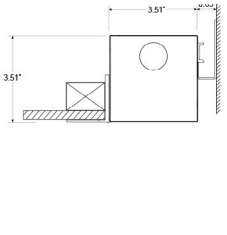


(CP) Custom pattern

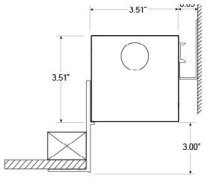
Corner detail



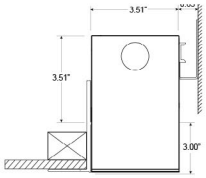
Endcap details



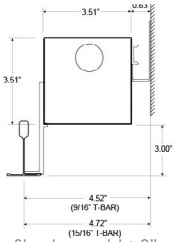
Flush Gyp
(G)



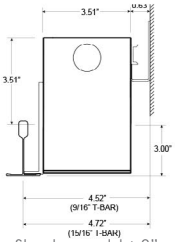
Shadowmold + 3"
Regressed Gyp
(RG3G)



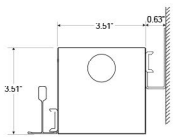
Shadowmold + 3"
Regressed Gyp + EX
(RG3G)



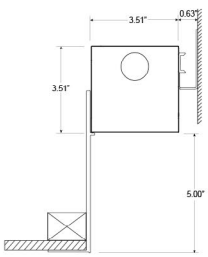
Shadowmold + 3"
Regressed T-Bar
(RG3T)



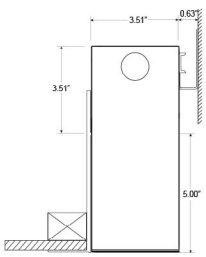
Shadowmold + 3"
Regressed T-Bar + EX
(RG3T)



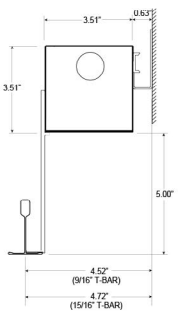
Flush T-Bar
(T)



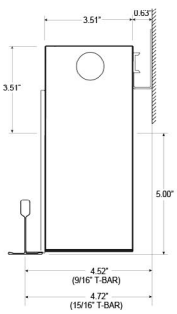
Shadowmold + 5"
Regressed Gyp
(RG5G)



Shadowmold + 5"
Regressed Gyp + EX
(RG5G)



Shadowmold + 5"
Regressed T-Bar
(RG5T)

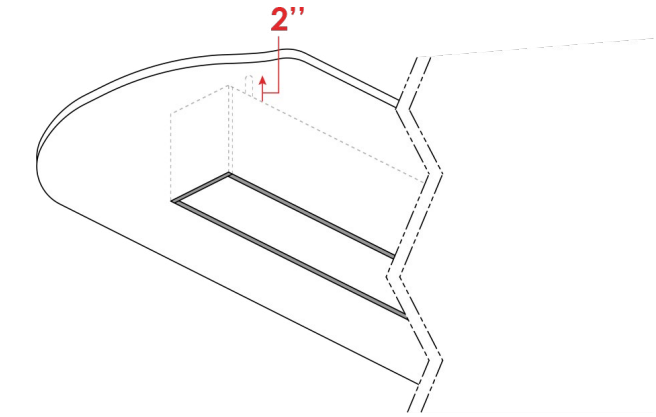


Shadowmold + 5"
Regressed T-Bar +
EX (RG5T)

Project name | Type | Date | Quantities

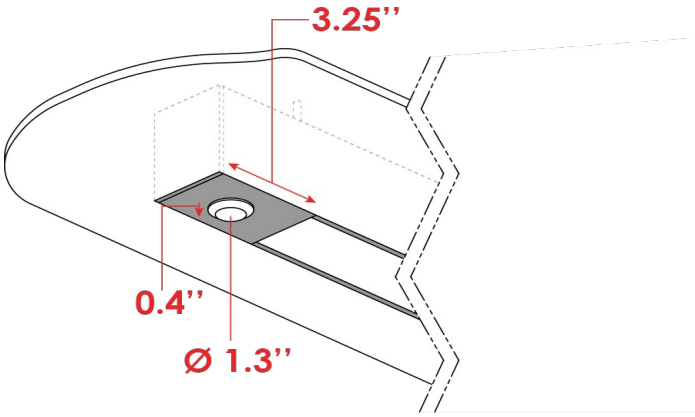
nLight dimensions

AIR : rIO Recessed



*Fixture mounted module for nLight AIR only.

AIR : res7 Recessed



*Fixture mounted sensors and filler panel for nLight AIR only.

Project name | Type | Date | Quantities

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 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 D9 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 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 Low, Standard, and 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 -30°C to 50°C, maximum case temperature of 75°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

LowT-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

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. 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.

The D9 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.

WARRANTY

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

Project name | Type | Date | Quantities