

LEAN

Lean is a 2'x2' acoustic lay-in that delivers highly efficient Lambertian light for any grid-ceiling application. The dynamic design brings visual excitement, spacial depth, improved acoustics and configurability to the grid ceilings. Using on-site ceiling tiles, light-weight collapsible and recyclable elements, Lean delivers great embodied carbon savings.

5Y
Warranty

C^{UL} US
Certified

Acoustic

Controls

SFI-01112

Red list free

Collapsing

Pending

Buy American

LIGHTING DESIGN AWARDS

LED MAGAZINE BRIGHTSTAR AWARDS HONOREE

2023 PROGRESS REPORT

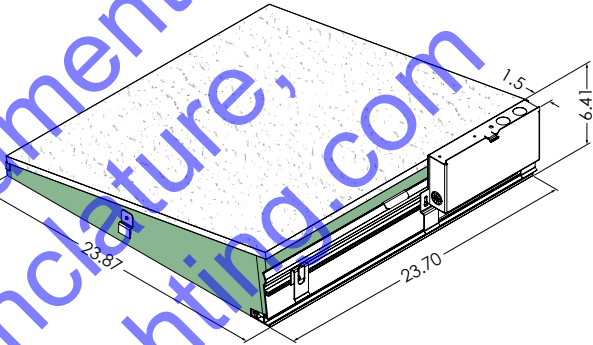
GOOD DESIGN

Performance

OUTPUT	DISTRIBUTION	DELIVERED		
		STANDARD TILE*		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	LAMBERTIAN	4734 lm	53 W	89 lm/W

Based on static white 3500K, Arctic White felt (AWF). For the complete photometric data of this fixture go to page 3.
*Standard tile : 90% reflective surface.

Dimensions



Acoustic color options

Standard colors

Arctic White

Silver Gray

Light Beige

Sustainability

- Reduced number of components and designed for disassembly aids recycling and re-use
- 4.1lbs total weight & collapsible for easy installation by a single person
- Easy jobsite manipulation and disposal



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)
team is here to make the process move smoothly.

A CEILING TILE IS NOT PROVIDED WITH THIS FIXTURE

Lean has been designed to use a ceiling tile that is already on site. If a high quality 90%+ reflective tile is not available for installation, please order a HE tile in the ordering code below.

Fast track nomenclature only. For complete nomenclature see "standard" specsheets.

LEAN								
SERIES	POWER SUPPLY		OUTPUT		LED CCT		CRI	VOLTAGE
LEAN	I	Individual driver	LS	Standard output	30K	3000K	-	80+ CRI
			LH	High output	35K	3500K		
			LVH	Very high output ¹	40K	4000K		
¹ LVH only available with integral driver								

ACOUSTIC COLOR OPTIONS			DIMMING		EMERGENCY		OPTIONS		OTHER	
Standard Colors  LBF  AWF  SGF			D NAIR	Standard 0-10V dimming ¹ nLight @AIR (dim-to-off) ²	EC	Emergency - circuit ¹	SM	Seismic application	FT	Fast track ¹
¹ Felt color will influence output, please consult LBF table for more details			¹ 1% Dimming standard unless otherwise specified. ² nLight AIR completely integrated into fixture in 120-277V.		¹ Not available with nLight Air, Entire fixture on same circuit, separate circuits not available.		¹ Option must be in part number in order to be considered fast track.			

The ceiling tile is not provided with this fixture. Please ensure high quality ceiling tiles are available for installation of the Lean.

Light distribution

OUTPUT (DC)

LVH: Very high output - 53W

LH: High output - 40W

LS: Standard output - 28 W

Photometric data

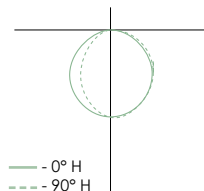
INDIRECT LAMBERTIAN

LVH - 3500K - Lambertian

Lumens: 4717 lm

Input watts: 53 W

Efficacy: 89 lm/W



Light loss factor (LLF)

OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY	
				STANDARD TILE (LAMBERTIAN)	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.03	0.85	92 lm/W	76 lm/W
	3500K	1	0.82	89 lm/W	73 lm/W
	3000K	0.98	0.79	87 lm/W	70 lm/W
	2700K	0.96	0.74	85 lm/W	66 lm/W
LH (high)	4000K	1.03	0.85	95 lm/W	78 lm/W
	3500K	1	0.82	92 lm/W	75 lm/W
	3000K	0.98	0.79	90 lm/W	73 lm/W
	2700K	0.96	0.74	88 lm/W	68 lm/W
LS (standard)	4000K	1.03	0.85	96 lm/W	79 lm/W
	3500K	1	0.82	93 lm/W	76 lm/W
	3000K	0.98	0.79	91 lm/W	73 lm/W
	2700K	0.96	0.74	89 lm/W	69 lm/W

OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT	
				STANDARD TILE (LAMBERTIAN)	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.03	0.85	4859 lm/ft	4009 lm/ft
	3500K	1	0.82	4717 lm/ft	3868 lm/ft
	3000K	0.98	0.79	4623 lm/ft	3726 lm/ft
	2700K	0.96	0.74	4528 lm/ft	3491 lm/ft
LH (high)	4000K	1.03	0.85	3790 lm/ft	3128 lm/ft
	3500K	1	0.82	3680 lm/ft	3018 lm/ft
	3000K	0.98	0.79	3606 lm/ft	2907 lm/ft
	2700K	0.96	0.74	3533 lm/ft	2723 lm/ft
LS (standard)	4000K	1.03	0.85	2682 lm/ft	2213 lm/ft
	3500K	1	0.82	2604 lm/ft	2135 lm/ft
	3000K	0.98	0.79	2552 lm/ft	2057 lm/ft
	2700K	0.96	0.74	2500 lm/ft	1927 lm/ft

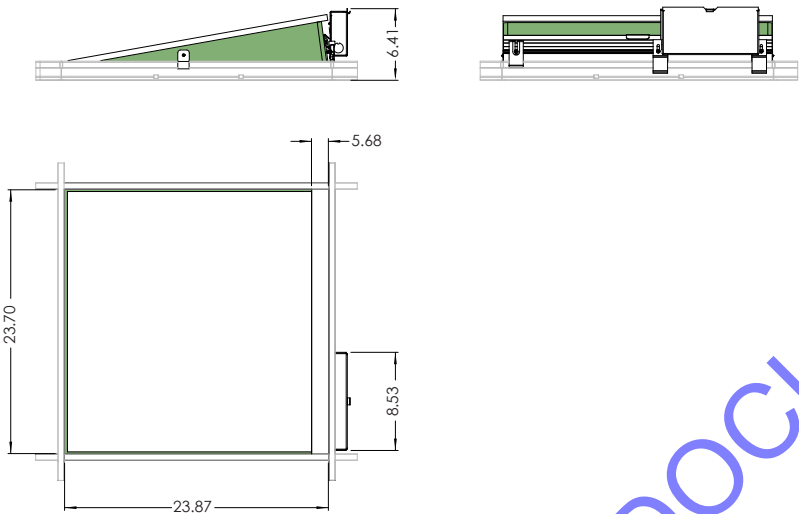
Light loss factors felt color (LLF)

FELT COLOR			LLF RATIO	LH (HIGH)	LVH ¹ (VERY HIGH)
	ARCTIC WHITE	AWF	100%	3704 lm	4734 lm
	SILVER GRAY	SGF	85%	3148 lm	4024 lm
	LIGHT BEIGE	LBF	83%	3074 lm	3929 lm

Factors above for 80CRI.

¹LVH : only available with integral driver

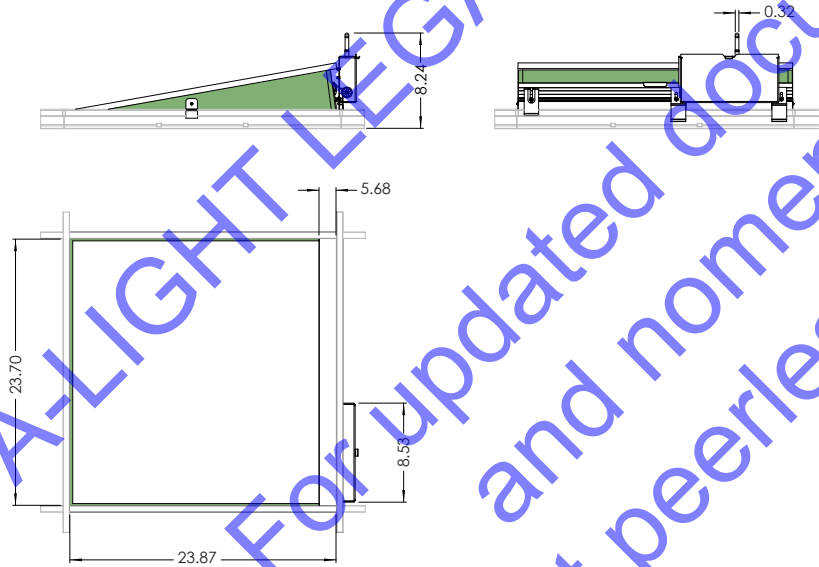
Lean dimensions



Ceiling grid provided by others
For back to back configuration, the driverbox needs to be moved to another t-bar.

NLight dimensions

AIR : r10



Ceiling grid provided by others

LAY-IN DIMENSIONS

2' nominal length/width for individual fixtures that can be laid into the ceiling together to create various rows and patterns.

OPTICS

The internal lens combined with the reflection of the acoustic tile offers a soft, Lambertian distribution. All photometric data has been generated using USG's Mars ClimaPlus acoustic tile (Reflectance 90.0%) and Silver Grey felt (Reflectance 57.8%).

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. 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 -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

Emergency circuiting provided as a single circuit for the entire fixture. Separate circuits not available.

NLIGHT® AIR WIRELESS

The API smart sensor is connected to 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 and rCMS models are available for integration.

CONTROLS AND SYSTEM NETWORKING OPTIONS

For nLight Air applications, low-profile remotely ceiling mounted occupancy and daylight sensors are available to deliver high performance control in an architecturally pleasing package.

Integrated nLight® for system networking wireless:

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

MOUNTING

T-Bar/Grid Ceiling. 9/16" or 15/16" standard T-Bar or 9/16" slot ceiling. Raw aluminum flange sits on T-Bar and is concealed from view. Seismic accessory kit available. T-Bar grid and ceiling tile by others.

ACOUSTICS

Fire tested according to ASTM E-84 Class A. The carefully studied hollow core design and the large surface area contribute to lowering the reverberation time in a set environment by absorbing sound frequencies (ideal for human voice range 250Hz to 2000Hz). Material has inherent NRC of 0.75. As results may vary, it is recommended to consult sound professionals for optimal spacing, positioning and quantity of acoustic material for your environment. Due to the dye process, colors may vary from batch to batch.

STRUCTURE

Robust, high quality aluminum extruded support structure for driver and LED-board. 0.040" aluminum internal gear trays. Reflector made out of felt panels which can be folded down to a small pack size. 3.75 lbs approximate fixture weight.

FINISH

Felt panels come in 3 standard options. Other options available in our standard spec sheet, and not available for Fast Track.

LISTING

UL Listed under E471278.

The LEAN 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

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/