

ATL2

An elegantly slim fixture finished with subtle detailing to provide a high level of bidirectional lighting performance in a simple but robust package.



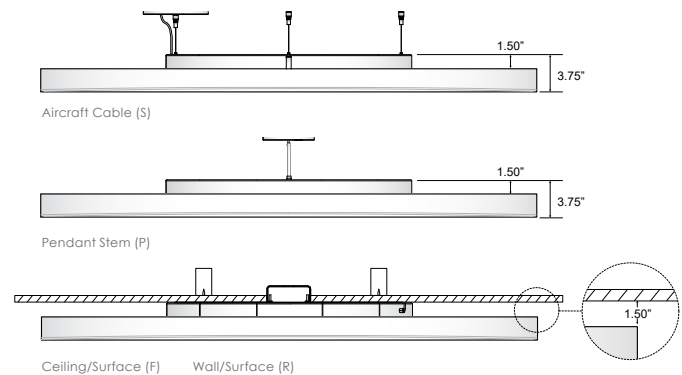
Performance

OUTPUT	DIAMETER	INDIRECT - SUSPENDED		
		DELIVERED LM	INPUT WATTS	EFFICACY
LVH (very high)	20"	3182 lm	25 W	127 lm/W
	32"	4654 lm	36 W	129 lm/W
	48"	6212 lm	50 W	124 lm/W

OUTPUT	DIAMETER	DIRECT		
		DELIVERED LM	INPUT WATTS	EFFICACY
LH (high)	20"	2708 lm	38.3 W	71 lm/W
LVH (very high)	32"	9191 lm	100 W	92 lm/W
	48"	21077 lm	222 W	95 lm/W

Based on static white 4000k. For the complete photometric data of this fixture refer to pages 3 and 4.

Dimensions



ATL2														
SERIES	DIAMETER		OUTPUT		CCT		CRI		VOLTAGE		MOUNTING			
ATL2	20	Ø20"	ILVH	Indirect LED Very high output	30	Direct 3000k	_	80+ CRI	U	120V-277V	S	Aircraft Cable ¹		
	32	Ø32"	ILH	Indirect LED High output	35	Direct 3500k		CRI		90+ CRI	3	347V	R	Wall Surface Mount
	48	Ø48"	ILS	Indirect LED Standard output	40	Direct 4000k							F	Ceiling Surface Mount
			ILC	Indirect LED Custom output ¹									P	Rigid Stem ²
			+									PV_	Swivel Stem ²	
			DLVH	Direct LED Very high output										
			DLH	Direct LED High output										
			DLS	Direct LED Standard output										
			DLC	Direct LED Custom output ¹										
			¹Contact Design Assist for custom tuning.								Black power cord provided for Black and Titanium finish and White power cord provided for all other fixture finishes, unless otherwise specified. ¹Standard 48" field adjustable cable, specify length to nearest inch if over 48". ²Indicate stem length to nearest inch, 6.00" minimum			

FINISH		CIRCUITING		DIMMING		EMERGENCY	
T W B O_	Titanium	1	Single-circuit	D	Standard 0-10V dimming ¹	E1	Emergency - battery ¹
	White Black Other ¹	2	Multi-circuit ¹				

¹ Specify RAL# or other custom color.

¹ Separate uplight and downlight circuits

¹ 5% Dimming standard unless otherwise specified.

² 20" uses IOTA-ILB-CP12-B (12W unit, integral) and 48" uses IOTA-ILB-CP12-B (12W unit, integral) while 32" uses IOTA-ILB-CP05-B (5W unit, integral). Specify desired quantity of batteries. Not available for 347V, 20" remotely mounted in RMEI enclosure.



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.

Project name

Type

Date

Quantities

Light distribution

DISTRIBUTION

Indirect Symmetric
Direct Symmetric

OUTPUT (DC)

LVH: Very high output
LH: High output
LS: Standard output
C: Custom tuned output - Contact Design Assist

Photometric data

INDIRECT SYMMETRIC
SUSPENDED

ATL3 - 20 - LVH - 4000K

Lumens: 3182 lm
Input watts: 25 W
Efficacy: 127 lm/W

DLH: 

ATL3 - 32 - LVH - 4000K

Lumens: 4654 lm
Input watts: 36 W
Efficacy: 129 lm/W

DLH: 

ATL3 - 48 - LVH - 4000K

Lumens: 6212 lm
Input watts: 50 W
Efficacy: 124 lm/W

DLH: 

DIRECT SYMMETRIC

ATL1 - 20 - LH - 4000K

Lumens: 2708 lm
Input watts: 38.3 W
Efficacy: 70 lm/W

ILH: 

ATL1 - 32 - LVH - 4000K

Lumens: 9191 lm
Input watts: 100 W
Efficacy: 92 lm/W

ILH: 

ATL1 - 48 - LVH - 4000K

Lumens: 21077 lm
Input watts: 222 W
Efficacy: 95 lm/W

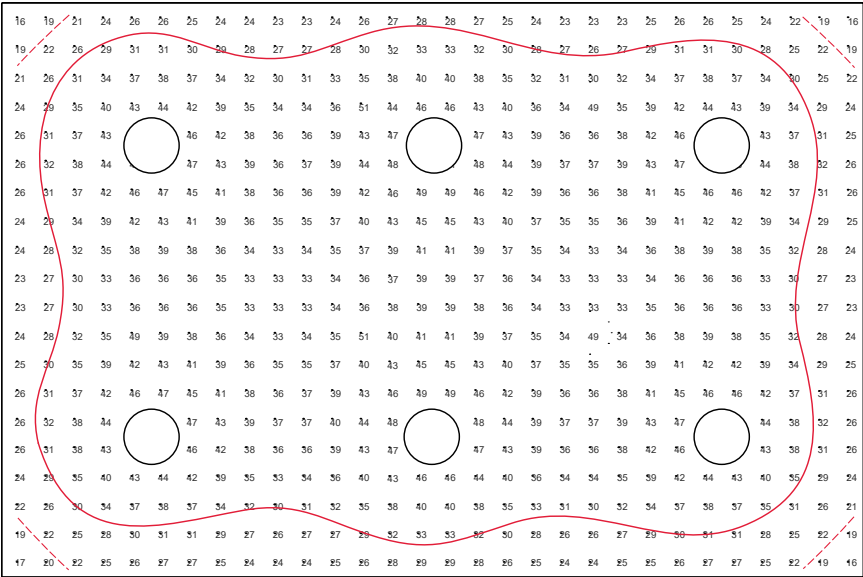
ILH: 

Sample installation - Workspace

ATL3-48-LH-40

Room dimensions: 40' X 60' X 12'
Reflectance: 80% / 50% / 20%
Mounting height: 12' ft A.F.F.
Fixture dimensions: 48" diameter
Calculation grid: 2' ft X 2' ft
Calculation plane: Ground
Average Illuminance: 35fc
Fixture spacing: 20' ft X 20' ft O.C.
Uniformity: 2.2 (avg/min)

TOP VIEW
30 fc: 
20 fc: 



Light loss factors (LLF) - Direct Data

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY					
				20"		32"		48"	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.01	0.86	-	-	92 lm/W	78 lm/W	95 lm/W	81 lm/W
	3500K	1	0.85	-	-	91 lm/W	77 lm/W	94 lm/W	80 lm/W
	3000K	0.98	0.83	-	-	89 lm/W	76 lm/W	92 lm/W	78 lm/W
	2700K	0.94	0.81	-	-	86 lm/W	74 lm/W	88 lm/W	76 lm/W
LH (high)	4000K	1.01	0.86	71 lm/W	60 lm/W	95 lm/W	81 lm/W	99 lm/W	84 lm/W
	3500K	1	0.85	70 lm/W	60 lm/W	94 lm/W	80 lm/W	98 lm/W	83 lm/W
	3000K	0.98	0.83	69 lm/W	58 lm/W	92 lm/W	78 lm/W	96 lm/W	81 lm/W
	2700K	0.94	0.81	66 lm/W	57 lm/W	88 lm/W	76 lm/W	92 lm/W	79 lm/W
LS (standard)	4000K	1.01	0.86	74 lm/W	63 lm/W	102 lm/W	87 lm/W	108 lm/W	92 lm/W
	3500K	1	0.85	73 lm/W	62 lm/W	101 lm/W	86 lm/W	107 lm/W	91 lm/W
	3000K	0.98	0.83	72 lm/W	61 lm/W	99 lm/W	84 lm/W	105 lm/W	89 lm/W
	2700K	0.94	0.81	69 lm/W	59 lm/W	95 lm/W	82 lm/W	101 lm/W	87 lm/W

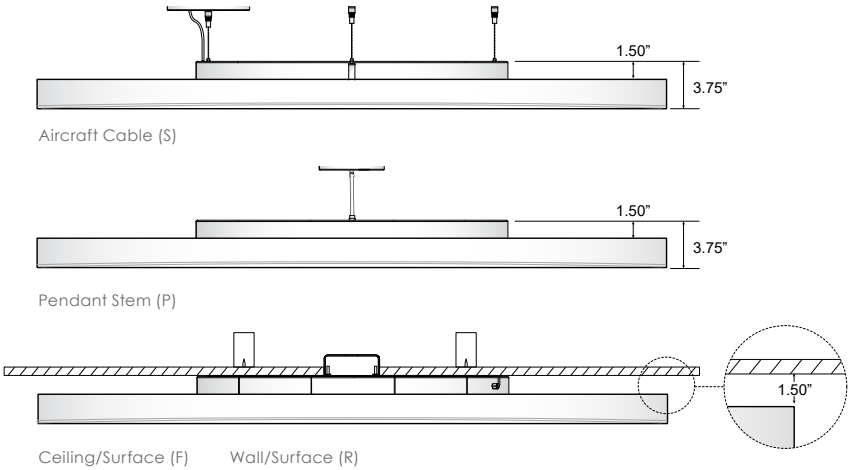
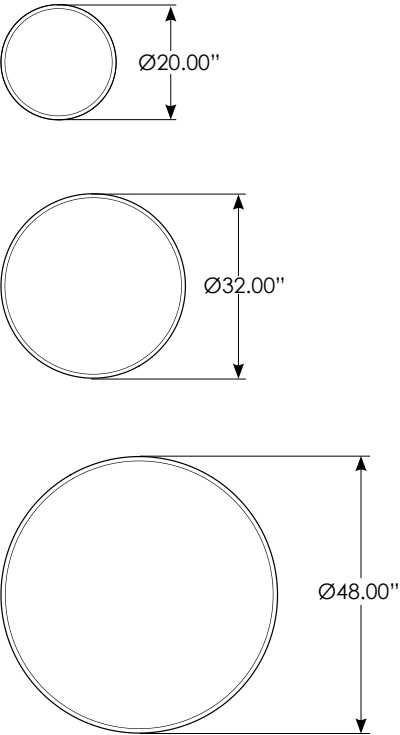
OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT					
				20"		32"		48"	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.01	0.86	-	-	9191 lm/ft	7826 lm/ft	21077 lm/ft	17946 lm/ft
	3500K	1	0.85	-	-	9100 lm/ft	7735 lm/ft	20868 lm/ft	17738 lm/ft
	3000K	0.98	0.83	-	-	8918 lm/ft	7553 lm/ft	20451 lm/ft	17320 lm/ft
	2700K	0.94	0.81	-	-	8554 lm/ft	7371 lm/ft	19616 lm/ft	16903 lm/ft
LH (high)	4000K	1.01	0.86	2708 lm/ft	2306 lm/ft	7405 lm/ft	6306 lm/ft	17223 lm/ft	14665 lm/ft
	3500K	1	0.85	2681 lm/ft	2279 lm/ft	7332 lm/ft	6232 lm/ft	17052 lm/ft	14494 lm/ft
	3000K	0.98	0.83	2627 lm/ft	2225 lm/ft	7185 lm/ft	6086 lm/ft	16711 lm/ft	14153 lm/ft
	2700K	0.94	0.81	2520 lm/ft	2172 lm/ft	6892 lm/ft	5939 lm/ft	16029 lm/ft	13812 lm/ft
LS (standard)	4000K	1.01	0.86	2042 lm/ft	1739 lm/ft	3774 lm/ft	3214 lm/ft	9186 lm/ft	7822 lm/ft
	3500K	1	0.85	2022 lm/ft	1719 lm/ft	3737 lm/ft	3176 lm/ft	9095 lm/ft	7731 lm/ft
	3000K	0.98	0.83	1982 lm/ft	1678 lm/ft	3662 lm/ft	3102 lm/ft	8913 lm/ft	7549 lm/ft
	2700K	0.94	0.81	1901 lm/ft	1638 lm/ft	3513 lm/ft	3027 lm/ft	8549 lm/ft	7367 lm/ft

Light loss factors (LLF) - Indirect Data

OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY					
				20"		32"		48"	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.01	0.86	127 lm/W	108 lm/W	129 lm/W	110 lm/W	124 lm/W	106 lm/W
	3500K	1	0.85	126 lm/W	107 lm/W	128 lm/W	109 lm/W	123 lm/W	105 lm/W
	3000K	0.98	0.83	123 lm/W	105 lm/W	125 lm/W	106 lm/W	121 lm/W	102 lm/W
	2700K	0.94	0.81	118 lm/W	102 lm/W	120 lm/W	104 lm/W	116 lm/W	100 lm/W
LH (high)	4000K	1.01	0.86	129 lm/W	110 lm/W	135 lm/W	115 lm/W	128 lm/W	109 lm/W
	3500K	1	0.85	128 lm/W	109 lm/W	134 lm/W	114 lm/W	127 lm/W	108 lm/W
	3000K	0.98	0.83	125 lm/W	106 lm/W	131 lm/W	111 lm/W	124 lm/W	105 lm/W
	2700K	0.94	0.81	120 lm/W	104 lm/W	126 lm/W	109 lm/W	119 lm/W	103 lm/W
LS (standard)	4000K	1.01	0.86	129 lm/W	110 lm/W	135 lm/W	115 lm/W	126 lm/W	108 lm/W
	3500K	1	0.85	128 lm/W	109 lm/W	134 lm/W	114 lm/W	125 lm/W	106 lm/W
	3000K	0.98	0.83	125 lm/W	106 lm/W	131 lm/W	111 lm/W	123 lm/W	104 lm/W
	2700K	0.94	0.81	120 lm/W	104 lm/W	126 lm/W	109 lm/W	118 lm/W	101 lm/W

OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT					
				20"		32"		48"	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.01	0.86	3182 lm/ft	2709 lm/ft	4654 lm/ft	3963 lm/ft	6212 lm/ft	5289 lm/ft
	3500K	1	0.85	3150 lm/ft	2678 lm/ft	4608 lm/ft	3917 lm/ft	6150 lm/ft	5228 lm/ft
	3000K	0.98	0.83	3087 lm/ft	2615 lm/ft	4516 lm/ft	3825 lm/ft	6027 lm/ft	5105 lm/ft
	2700K	0.94	0.81	2961 lm/ft	2552 lm/ft	4332 lm/ft	3732 lm/ft	5781 lm/ft	4982 lm/ft
LH (high)	4000K	1.01	0.86	2586 lm/ft	2202 lm/ft	3790 lm/ft	3227 lm/ft	5259 lm/ft	4478 lm/ft
	3500K	1	0.85	2560 lm/ft	2176 lm/ft	3752 lm/ft	3189 lm/ft	5207 lm/ft	4426 lm/ft
	3000K	0.98	0.83	2509 lm/ft	2125 lm/ft	3677 lm/ft	3114 lm/ft	5103 lm/ft	4322 lm/ft
	2700K	0.94	0.81	2406 lm/ft	2074 lm/ft	3527 lm/ft	3039 lm/ft	4895 lm/ft	4218 lm/ft
LS (standard)	4000K	1.01	0.86	1293 lm/ft	1101 lm/ft	1895 lm/ft	1613 lm/ft	2525 lm/ft	2150 lm/ft
	3500K	1	0.85	1280 lm/ft	1088 lm/ft	1876 lm/ft	1595 lm/ft	2500 lm/ft	2125 lm/ft
	3000K	0.98	0.83	1254 lm/ft	1062 lm/ft	1838 lm/ft	1557 lm/ft	2450 lm/ft	2075 lm/ft
	2700K	0.94	0.81	1203 lm/ft	1037 lm/ft	1763 lm/ft	1520 lm/ft	2350 lm/ft	2025 lm/ft

Mounting & Dimensions



DIMENSIONS

20", 32", and 48" diameter surface and suspension fixtures maintain a 2.25" profile height and 3.75" overall height including back wireway compartment making the fixture ADA compliant.

OPTICS

A 0.177" thick concaved thermoformed diffuser made up of a high performance acrylic blend hides LED hot spots while providing equal and seamless diffusion.

Suspended: A thin clear, acrylic lens optimized for indirect LED performance delivers 95% transmittance.

Surface: A thin diffuse lens optimized for indirect LED performance delivers 90% transmittance for an ambient glow effect.

LED LIGHT SOURCE

Custom manufactured round and linear boards 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. 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). 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 5%. 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

Factory installed integrated fixture LED emergency battery pack for both normal and emergency operation, with the exception of the 20" fixture which must have a remote emergency battery. Unit contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button installed on fixture from factory with the exception of the gyp version where to be installed remotely by others. Emergency mode provides constant power to a nominal 12W or 5W LED load for a period of 90 minutes, delivering 1200 or 550 lumens of unwavering illumination throughout the full 90 minute emergency duration. The 32" and 20" fixtures illuminate entirely, however the 48" fixture only illuminates half of the fixture. 20" fixtures' battery is remote mounted in RME1 enclosure provided by factory.

CONTROLS

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

MOUNTING

Aircraft cable set includes three 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" round canopy. IDS caddy clip and cord strain also included. Please refer to installation sheets for mounting weight requirements. Power cord options available for aircraft cable. Black power cord provided for textured black and titanium finish, white power cord provided for all other fixture finishes unless otherwise specified.

Rigid pendant stem set includes 1/2" IPS hollow threaded rod for suspension and power feed, standard specification length, 6" minimum provided with a 5" round canopy diameter.

Swivel stem set includes 1/2" IPS hollow threaded rod for suspension and power feed, standard specification length, 6" minimum, provided with a 5" round canopy diameter.

Specify if other suspension length is required. Fixture can be mounted on angles within the recommended scope, please refer to installation instruction guide for recommended angles and mounting points for optimum conditions.

Ceiling surface mount version has a galvanized mounting plate that attaches to the junction box with #8-32 screws (provided by others) and is recommended to be further affixed to the ceiling with additional fasteners through the slots in the mounting plate (see installation instructions). The fixture twists onto this mounting plate through a series of descending receiving flanges, and is secured in place with a spring loaded locking mechanism. This mechanism also facilitates dismounting the fixture.

Wall surface mount version has a galvanized mounting plate that attaches to the junction box with #8-32 screws (provided by others) and is recommended to be further affixed to the wall with additional fasteners through the slots in the mounting plate (see installation instructions). The fixture twists onto this mounting plate through a series of descending receiving flanges, and is secured in place with a spring loaded locking mechanism.

FINISH

Electrostatically applied powder coat finish. Standard finish options include titanium, textured white and textured black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

LISTING

Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE. For USA and Canada. Dry & damp locations only.

The ATL2 is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for a period of one (1) year. LED products (LED boards and drivers) will be covered for a period of five (5) years. Please refer to full terms and conditions on our website: www.alights.com/downloads/warranty/