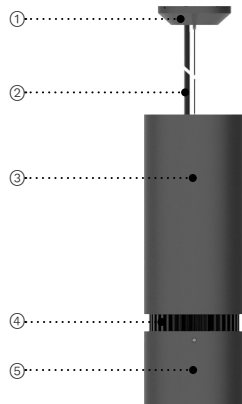| PROJECT NAME:	QUANTITY:	TYPE:

ORDERING CODE:

① Ø 5" (127mm) canopy with universal mounting plate.

② Field adjustable suspension stem or silver braided power cable with aircraft safety cable. Also, offered with a catenary suspension attachment.

③ Extruded aluminum driver housing.

④ LED heat sink.

⑤ Aluminum extruded reflector housing.

AR70

MATERIALS

Aramis is made of an extruded aluminum housing designed to optimize functionality of the driver and solid state components. Cast aluminum heat sink to optimize heat management and luminaire efficacy. LED array is mechanically secured and easily removable for maintenance or upgrade. Aluminum faceted reflector designed to optimize the LED light source performance and uniformity.

ELECTRICAL DRIVER

120V/277V driver is 0-10V dimming-ready (min. dim to 5%) with 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -20°C/-4°F to +50°C/122°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.
347V driver is 0-10V dimming ready (min. dim to 1%)* with operating temperature range of -20°C/-4°F to +50°C/122°F, over current and output short circuit protection.

LED LIGHT ENGINE

Offered in 2700K, 3000K, 3500K & 4000K / 80CRI.
70% LED lumen maintenance at 125,000 hours (L70/B50) based on IESNA LM-80-08 LED extrapolated life, calculated per IESNA TM-21-21.

FINISH

Five-stage preparation process includes preheating of cast aluminum parts for air extraction. Polyester powder coating is applied through an electrostatic process, and oven cured for long term finish.

CERTIFICATION

UL Certified to Canadian and U.S. safety standards. Certified for use in damp location. Rated IP20. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Actual performance may differ as a result of end-user environment and application.

*L1L65 light output dims to min. 1%, L1L85, L1L100 dims to min. 5%, L1L120. L1L160, L1L180 dims to min. 10%

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: https://www.acuitybrands.com/support/warranty/terms-and-conditions

MOUNTING

Mounts on a standard 4" (102mm) octagonal electrical box with 3.5" (89mm) C/C mounting holes.

MEASUREMENTS

Maximum weight: 12.2 lbs (5.5 kg)
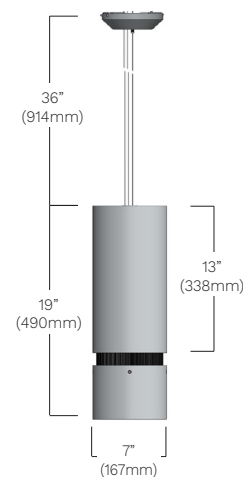
36" (914mm)

13" (338mm)

19" (490mm)

7" (167mm)

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*SERIES	*LIGHT OUTPUT		DISTRIBUTION		*CCT		*VOLTAGE		CONTROLS	
AR70	L1L65	6511 lm / 54w	WD	Wide optic 55˚	27K	2700K	120	120V	NLTAIR2	nLight AIR 2.0[2]
	L1L85	8635 lm / 76w			30K	3000K	277	277V		
	L1L100	10029 lm / 84w	VWD	Very wide optic 80˚	35K	3500K	347	347V		
	L1L120	12003 lm / 105w			40K	4000K	MVOLT	120V-277V		
	L1L160	15733 lm / 140w[1]								
	L1L180	18168 lm / 170w[1]								
	Delivered lumens calculated at 4000K/80CRI. Typical power consumption. Refer to LCF table for outputs at other CCTs.									

*MOUNTING		SUSPENSION LENGTH		FUSE		EMERGENCY		*FINISH	
CAT3	Catenary suspension attachment	12IN	12"	FS	Fuse	REM7	Remote emergency battery, 90 min, 7W[3]	BKT	Jet black
HK	Male hook with 0.43" opening Includes 36" 5/18 black power cord. Hook height 3.5"	24IN	24"					BZT	Bronze
		36IN	36"					CHT	Champagne
SPG	Silver braided suspension power cord with aircraft cable	48IN	48"					DGT	Gun metal
		60IN	60"					GRT	Titanium gray
STM	Field-cuttable hang straight suspension stem							MST	Matte silver
TA	3/4" NPT conduit adaptor							SGT	Steel gray
								WHT	Snow white
								CMC	Custom matched color[4]
		Available up to 240" in 12" increments. Required field for SPG, STM.						RAL	RAL color[5]

NOTES

*- Denotes a required field

1- Overall height of fixture is 23.5" (597mm) for this model.

2- 120V, 277V or MVOLT only. Installed in Ø15" canopy with STM/SPG. Refer to the mounting image for more details. Not available for L1L120, L1L160, L1L180, REM7, CAT3, TA, HK.

3- Remote mount 50ft - 12" (305mm) square enclosure with access cover. Not available with 347V or CAT3. The remote enclosure must be interior. Cable between fixture and remote box is provided by others.

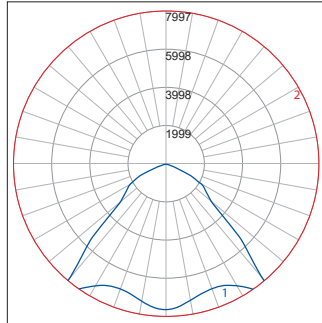4- Contact factory to coordinate custom matching color.

5- Specify RAL number.

TYPICAL PHOTOMETRY SUMMARY

AR70-L1L180
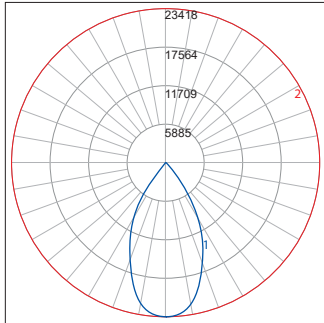
Total Lms: 18,168 Lumens
Total Input Watts: 170 W
S/MH = 0.82
CCT/CRI: 4000K/80
Maximum Candela: 23,418 @ 0°/0°V

AR70-L1L180-VWD

Total Lms: 19,210 Lumens
Total Input Watts: 170 W
S/MH = 0.82
CCT/CRI: 4000K/80
Maximum Candela: 7,996 @ 0°/40°V

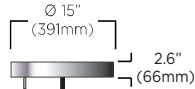| LUMEN CONVERSION FACTOR (LCF)		
CCT	CRI	LCF
2700K	80	0.92
3000K	80	0.95
3500K	80	0.98
4000K	80	1.00

All Photometry shown use the 80CRI 4000K LEDs.
Please visit our web site www.luminis.com for complete I.E.S. file.

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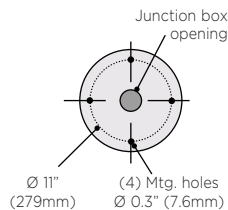Toll free: (866) 586-4647 | Fax: (514) 683-8872 | Email: info@luminis.com
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OPTION DETAILS

Ø 15"
(391mm)

2.6"
(66mm)

CANOPY TOP VIEW

Junction box opening

Ø 11"
(279mm)

(4) Mtg. holes
Ø 0.3" (7.6mm)
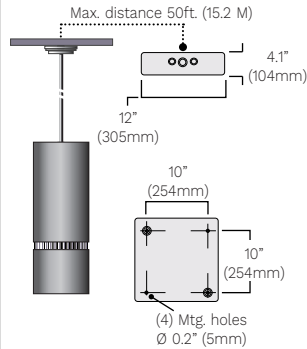
NLTAIR2 (STM & SPG)
Ø11" canopy with nLight AIR Control gen2 and black antenna.

For the follwing light outputs:
L1L65, L1L85, L1L100

Max. distance 50ft. (15.2 M)

4.1"
(104mm)

12"
(305mm)

10"
(254mm)

10"
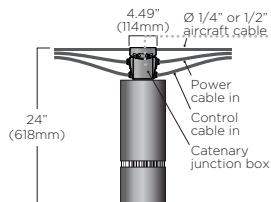(254mm)

(4) Mtg. holes
Ø 0.2" (5mm)

REM7
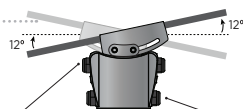7W Remote mount 120/277V emergency battery pack.

SPG
Silver braided power cord with onsite adjustable aircraft safety cable.

STM
Heavy duty 45° hang straight swivel, with Ø 5" (127mm) canopy and universal mounting plate with Ø 7/8" (22mm) suspension stem with aircraft safety cable.

4.49"
(114mm)

Ø 1/4" or 1/2" aircraft cable

24"
(618mm)

Power cable in
Control cable in
Catenary junction box

ANGLE ADJUSTMENT MECHANISM

12°   12°

Power cable in:
3 conductor x 14 gauge AWG. The 2 cable glands located at the top can accommodate a cable ranging from **10mm - 14mm.**

Control cable in:
The 2 cable glands on the bottom can accommodate a cable ranging from **6mm - 11mm.**

CAT3
Cast aluminum catenary junction box with 4 sealed connectors by Luminis and pre-inserted into housing. Ready to accept 1/4" or 1/2" stainless steel suspension cable.
Weight: 15.5 lbs (7 kg)
(Structural design, power cable, control cable, stainless steel catenary cable, cable fittings, and fittings for mounting to support structure provided by others.)

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