PROJECT NAME: **QUANTITY:**   **TYPE:**

ORDERING CODE:

① Field adjustable suspension stem or silver braided power cable with aircraft safety cable. Also, offered with a catenary suspension attachment.

② Performance optic series.

③ Corrosion resistant diecast aluminum housing.

④ High effiency LED light engine with acrylics optics.

⑤ Clear tempered glass.

⑥ All stainless steel hardware

CT151-STM

CT151-SPG

CT151-CAT3

MATERIALS

Clermont is made of aluminum diecast offering exceptional precision and durability. The main housing is sealed with durable gasket. Features a high efficiency LED light engine, mounted on a recessed heatsink whose pattern is optimized for heat dissipation. The driver is preinstalled inside the main housing, sealed with gasket, and secured with four captive screws which makes it easy for maintenance.

ELECTRICAL DRIVER

Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -40°C to +55°C -40°F to +131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery. Optional 347/480V available.

LED LIGHT ENGINE

Offered in 2700K, 3000K, 3500K & 4000K / 80CRI. 70% LED lumen maintenance at 60,000 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 wet locations. Rated IP65/IK10. 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.
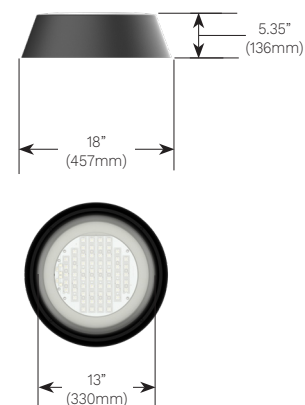
WARRANTY

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

The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes. For STM, fixture must be installed on a finished ceiling for exterior applications and/or when exposed to inclement weather. For CAT3: see option details.

MEASUREMENTS

Maximum weight: 27 lbs (12 kg)

5.35"
(136mm)

18"
(457mm)

13"
(330mm)

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ORDERING CODE

*SERIES	*LIGHT OUTPUT		*DISTRIBUTION		*CCT[4]		*VOLTAGE		*MOUNTING	
CT151	Static White		LD2	Type II	27K	2700K	120	120V	CAT3	Catenary suspension attachment
	L1L50	5109 lm / 40w	LD3	Type III	30K	3000K	277	277V		
	L1L80	7457 lm / 60w	LD4	Type IV	35K	3500K	347	347V	SPG	Silver braided power cord with aircraft cable[5]
	L1L100	9778 lm / 80w	LD5	Type V	40K	4000K	480	480V		
	L1L120	11894 lm / 100w			AMB	Wavelengths: 585nm to 597nm	MVOLT	120V-277V	STM	Field-cuttable hang straight stem
	L1L180	16526 lm / 160w			WDIM	2200K-4000K	HVOLT	347V-480V		
	True Amber				TUWH	2700K-5000K				
	L1LK2A	2654 lm / 48w[1]								
	Warm Dimming									
	L1LDW	7801 lm / 76w[2]								
	Tunable White									
	L1LWT	6003 lm / 48w[3]								

Delivered lumens calculated at 4000K/80CRI for static white. Delivered lumens calculated at 5000K/80CRI for warm dimming and tunable white. Type V distribution. Typical power consumption. Refer to LCF table for outputs at other CCTs.

SUSPENSION LENGTH		MOUNTING ACCESSORY		CONTROLS		FUSE		SURGE PROTECTOR	
12IN	12"	STC	Set of 3 stabilizer cables[6]	NLTH	nLight AIR 2.0 integrated in head[7]	FS	Fuse	SP	Surge protector
24IN	24"			RD10	Remote driver[8]				
36IN	36"								
48IN	48"								
60IN	60"								

Available up to 240" in 12" increments. Required field for SPG, STM.

EMERGENCY		SHIELDING ACCESSORIES		*FINISH				ENVIRONMENT	
EM7	7W integral emergency battery, 90 min[9]	HS	House side shield[11]	BKT	Jet black	MST	Matte silver	MG	Marine grade paint[14]
				BZT	Bronze	SGT	Steel gray	NT	Natatorium suitable[15]
REM7	Remote emergency battery, 90 min, 7W[10]			CHT	Champagne	WHT	Snow white		
				DGT	Gun metal	CMC	Custom matched color[12]		
				GRT	Titanium gray	RAL	RAL color[13]		

NOTES

*-   Denotes a required field

1-   Available only with AMB.

2-   Available only with WDIM. Not available with 347V, 480V, HVOLT or EM7.

3-   Available only with TUWH. Not available with 347V, 480V, HVOLT or EM7.

4-   For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

5-   For interior applications only.

6-   Available only with STM.

7-   Not available with 347V, 480V, HVOLT, REM7, EM7, WDIM, TUWH.

8-   Remote mount 50ft - 12" (305mm) square enclosure with access cover. The remote enclosure must be interior. Cable between fixture and remote box is provided by others.

9-   Integral to luminaire housing. Integral is not suitable for temperatures under 0ºC (32ºF). Not available with 347V, 480V, HVOLT or RD10.

10- Remote mount 50ft - 12" (305mm) square enclosure with access cover. Includes driver. The remote enclosure must be interior. Cable between fixture and remote box is provided by others. Not available with 347V, 480V, HVOLT or RD10.

11- Not available with LD5. Field installable. Lumen conversion factor (LCF) 0.8.

12- Contact factory to coordinate custom matching color.

13- Specify RAL number.

14- Marine grade paint for harsh, coastal environment and exposure to salt water. Additional delay required.

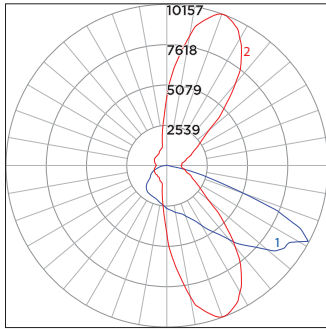15- Available only in WHT and BKT.

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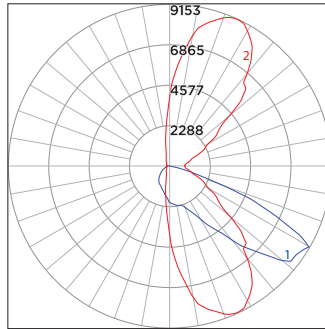## TYPICAL PHOTOMETRY SUMMARY

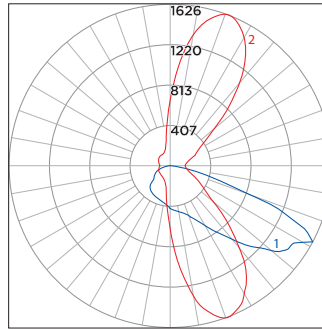### TYPE II

CT151-L1L180-LD2

Total Lms: 15675 Lumens
Total Input Watts: 160 W
Efficacy: 98 Lumens/Watt
BUG: B2-U0-G2
CCT/CRI: 4000K/80CRI
Maximum Candela: 10157 (68°H, 62°V)
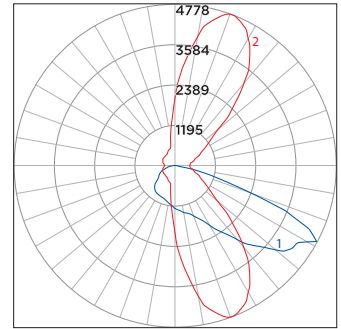
CT151-L1L180-LD2-HS

Total Lms: 12299 Lumens
Total Input Watts: 160 W
Efficacy: 77 Lumens/Watt
BUG: B2-U0-G2
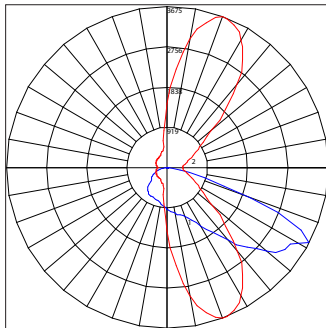**CCT/CRI:** 4000K/80CRI
Maximum Candela: 9153 (65°H, 60°V)

CT151-L1LK2A-LD2

Total Lms: 2509 Lumens
Total Input Watts: 47 W
Efficacy: 54 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: Amber
Maximum Candela: 1626 (68°H, 62°V)

CT151-L1LDW-LD2

Total Lms: 7374 Lumens
Total Input Watts: 76 W
Efficacy: 97 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 4778 (68°H, 62°V)

CT151-L1LWT-LD2

Total Lms: 5690 Lumens
Total Input Watts: 48 W
Efficacy: 118 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 3675 (68°H, 62°V)

All Photometry shown use the 80CRI 4000K LEDs.
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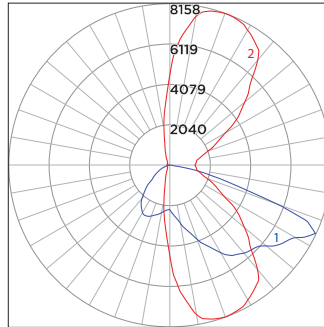
Page 3 of 8

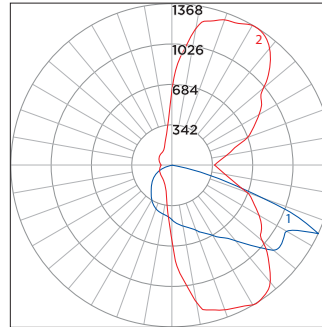## TYPICAL PHOTOMETRY SUMMARY

TYPE III

CT151-L1L180-LD3
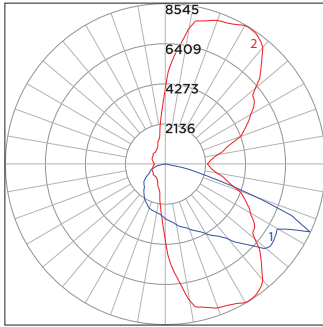
Total Lms: 15714 Lumens
Total Input Watts: 160 W
Efficacy: 98 Lumens/Watt
BUG: B3-U0-G2
CCT/CRI: 4000K/80CRI
Maximum Candela: 8545 (58°H, 65°V)

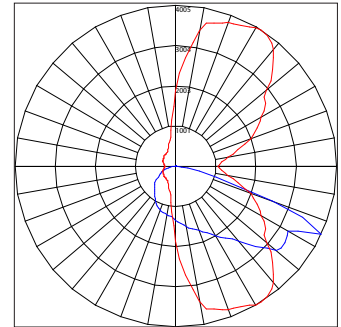**CT151-L1L180-LD3-HS**

Total Lms: 13807 Lumens
Total Input Watts: 160 W
Efficacy: 86 Lumens/Watt
BUG: B2-U0-G2
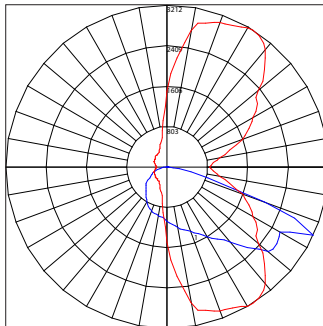**CCT/CRI:** 4000K/80CRI
Maximum Candela: 8158 (70°H, 65°V)

CT151-L1LK2A-LD3

Total Lms: 2513 Lumens
Total Input Watts: 47 W
Efficacy: 53 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: Amber
Maximum Candela: 1368 (58°H, 65°V)

CT151-L1LDW-LD3

Total Lms: 7392 Lumens
Total Input Watts: 76 W
Efficacy: 97 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 4005 (58°H, 65°V)

CT151-L1LWT-LD3

Total Lms: 5903 Lumens
Total Input Watts: 48 W
Efficacy: 123 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 3211.7 (58°H, 65°V)

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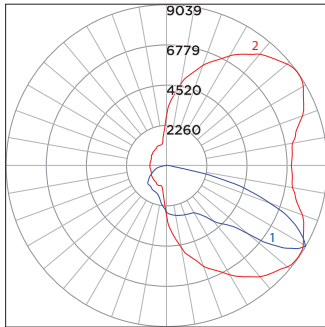
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TYPICAL PHOTOMETRY SUMMARY

TYPE IV

CT151-L1L180-LD4

Total Lms: 15264 Lumens
Total Input Watts: 160 W
Efficacy: 95 Lumens/Watt
BUG: B2-U0-G3
CCT/CRI: 4000K/80CRI
Maximum Candela: 9039 (35°H, 60°V)

CT151-L1L180-LD4-HS
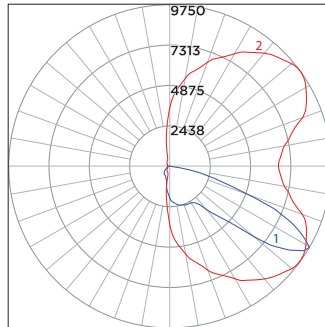
Total Lms: 12627 Lumens
Total Input Watts: 160 W
Efficacy: 79 Lumens/Watt
BUG: B1-U0-G3
CCT/CRI: 4000K/80CRI
Maximum Candela: 9750 (35°H, 60°V)

CT151-L1LK2A-LD4
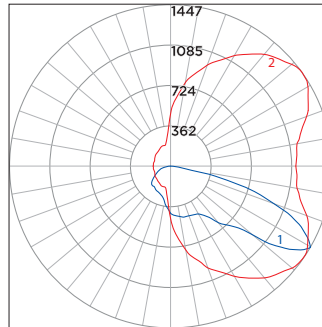
Total Lms: 2437 Lumens
Total Input Watts: 47 W
Efficacy: 52 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: Amber
Maximum Candela: 1447 (35°H, 60°V)

CT151-L1LDW-LD4
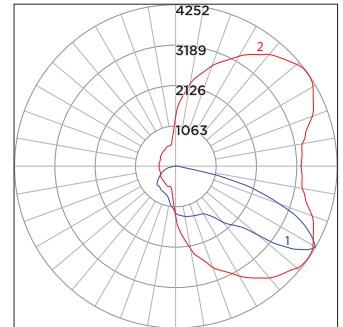
Total Lms: 7180 Lumens
Total Input Watts: 76 W
Efficacy: 94 Lumens/Watt
BUG: B1-U0-G2
CCT/CRI: 2700K-5000K
Maximum Candela: 4252 (35°H, 60°V)

CT151-L1LWT-LD4

Total Lms: 5825 Lumens
Total Input Watts: 48 W
Efficacy: 122 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 3466.8 (35°H, 60°V)

All Photometry shown use the 80CRI 4000K LEDs.
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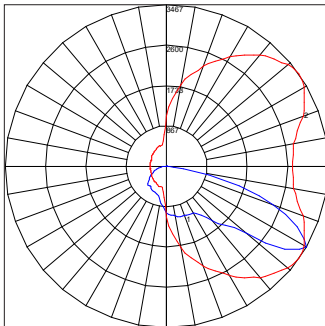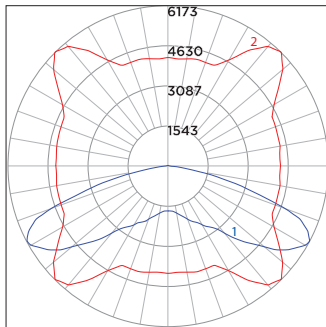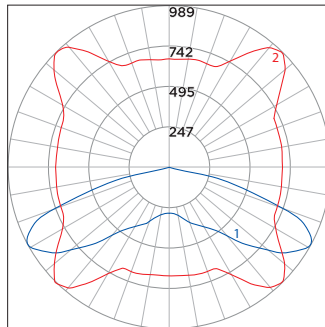Page 5 of 8

TYPICAL PHOTOMETRY SUMMARY
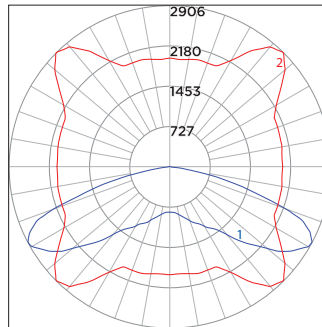
TYPE V

CT151-L1L180-LD5

Total Lms: 16526 Lumens
Total Input Watts: 160 W
Efficacy: 104 Lumens/Watt
BUG: B4-U0-G2
CCT/CRI: 4000K/80CRI
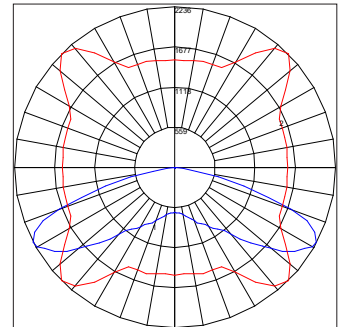**Maximum Candela:** 6173 (135°H, 62°V)

CT151-L1LK2A-LD5

Total Lms: 2654 Lumens
Total Input Watts: 47 W
Efficacy: 56 Lumens/Watt
BUG: B1-U0-G0
CCT/CRI: Amber
Maximum Candela: 989 (135°H, 62°V)

CT151-L1LDW-LD5

Total Lms: 7801 Lumens
Total Input Watts: 76 W
Efficacy: 103 Lumens/Watt
BUG: B3-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 2906 (135°H, 62°V)

CT151-L1LWT-LD5

Total Lms: 6003 Lumens
Total Input Watts: 48 W
Efficacy: 130 Lumens/Watt
BUG: B1-U0-G1
CCT/CRI: 2700K-5000K
Maximum Candela: 2236.3 (135°H, 62°V)

LUMEN CONVERSION FACTOR (LCF)		
CCT	**CRI**	**LCF**
2700K	80	0.91
3000K	80	0.94
3500K	80	0.98
4000K	80	1.00

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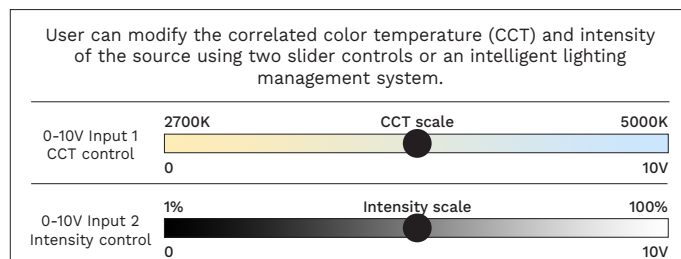Please visit our web site www.luminis.com for complete I.E.S. file.

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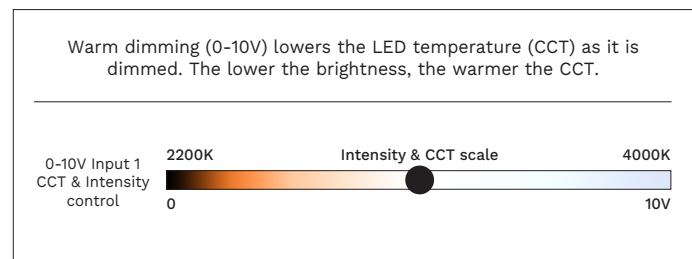
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REFERENCE TABLE - LIGHT OUTPUT

LIGHT OUTPUT - STATIC WHITE		LIGHT OUTPUT - TRUE AMBER		LIGHT OUTPUT - TUNABLE WHITE		LIGHT OUTPUT - WARM DIMMABLE	
Type II		Type II		Type II		Type II	
L1L50	4843 lm / 40w	L1LK2A	2509 lm / 48w	L1LWT	5690 lm / 48w	L1LDW	7374 lm / 76w
L1L80	7069 lm / 60w						
L1L100	9269 lm / 80w	Type III		Type III		Type III	
L1L120	11274 lm / 100w	L1LK2A	2513 lm / 48w	L1LWT	5903 lm / 48w	L1LDW	7692 lm / 76w
L1L180	15675 lm / 160w						
		Type IV		Type IV		Type IV	
Type III		L1LK2A	2437 lm / 48w	L1LWT	5825 lm / 48w	L1LDW	7180 lm / 76w
L1L50	4852 lm / 40w						
L1L80	7086 lm / 60w						
L1L100	9292 lm / 80w						
L1L120	11303 lm / 100w						
L1L180	15714 lm / 160w						
Type IV							
L1L50	4716 lm / 40w						
L1L80	6883 lm / 60w						
L1L100	9026 lm / 80w						
L1L120	10979 lm / 100w						
L1L180	15264 lm / 160w						

TUNABLE WHITE

User can modify the correlated color temperature (CCT) and intensity of the source using two slider controls or an intelligent lighting management system.

0-10V Input 1
CCT control

2700K — CCT scale — 5000K
0 — 10V

0-10V Input 2
Intensity control

1% — Intensity scale — 100%
0 — 10V

WARM DIMMING

Warm dimming (0-10V) lowers the LED temperature (CCT) as it is dimmed. The lower the brightness, the warmer the CCT.

0-10V Input 1
CCT & Intensity control

2200K — Intensity & CCT scale — 4000K
0 — 10V

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OPTION DETAILS

Max. distance 50ft. (15.2 M)
4.10" (104mm)
12" (305mm)
10" (254mm)
10" (254mm)
(4) Mtg. holes Ø 0.20" (5mm)

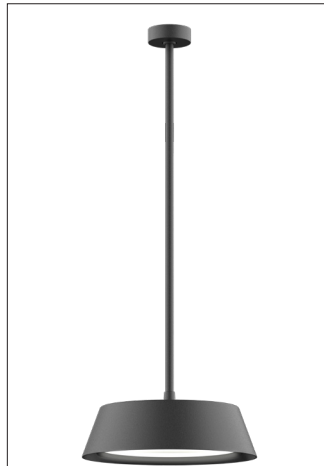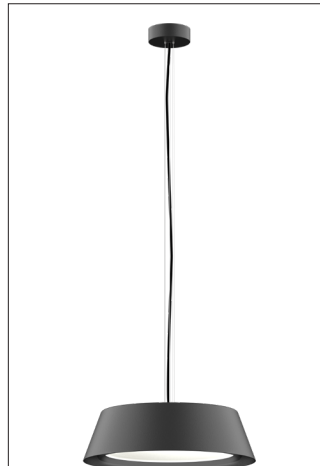**REM7**
Remote mount 120/277V emergency battery pack (1110 lm/90 min). Test switch provided within enclosure with 5" (127mm) leads. Applicable for all mount options.
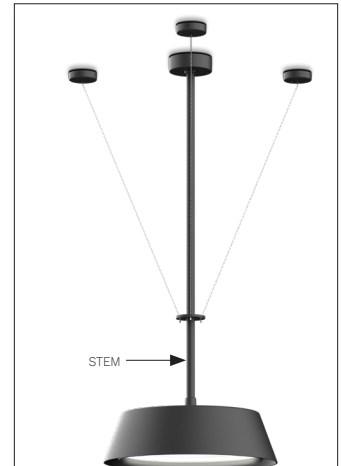
STM
Heavy duty 45° hang straight swivel, with Ø 4.50" (114mm) canopy and universal mounting plate. Ø 7/8" (22mm) suspension stem with aircraft safety cable.
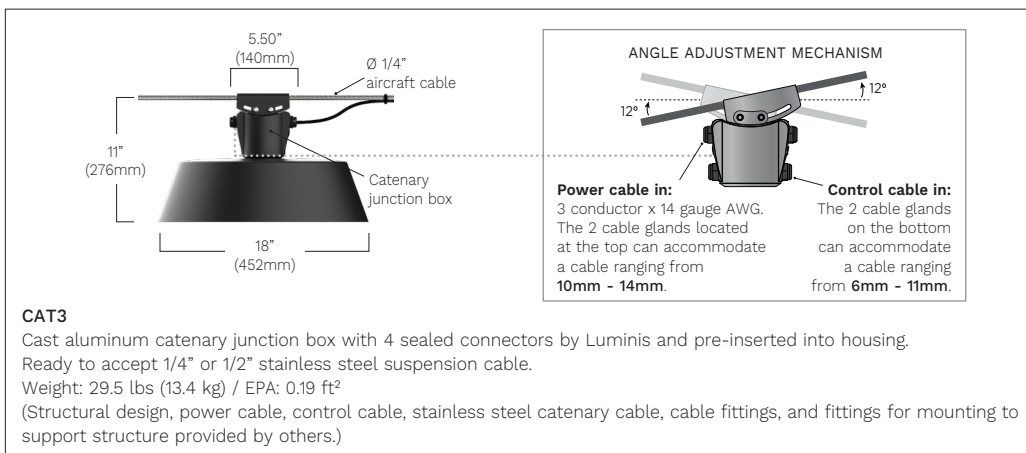
SPG
Silver braided power cord with onsite adjustable aircraft safety cable, consisting of 3 long cables joined Ø 4.50" (114mm) canopy.

STEM

STC
Set of three stabilizer cables. For stem mount only.

5.50" (140mm)
Ø 1/4" aircraft cable
11" (276mm)
Catenary junction box
18" (452mm)

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: 29.5 lbs (13.4 kg) / EPA: 0.19 ft²
(Structural design, power cable, control cable, stainless steel catenary cable, cable fittings, and fittings for mounting to support structure provided by others.)

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**.

HS
House side shield. Field installable. Not available for type V.

NLTH 📶
nLight AIR Control gen2 and black antenna. Available with SPG, STM or CAT3

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