

SPEC
SHEET



APTA

LED SPORTS LIGHTS

AccessFixtures.com

1

EXTREME-LIFE:

Exceptional heat sink design produces an EXTREME-LIFE rating of L70 @ 200,000 hours for decades of virtually maintenance free performance.

2

Lasting Durability:

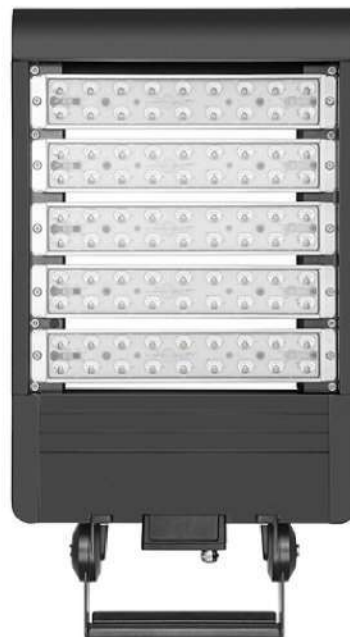
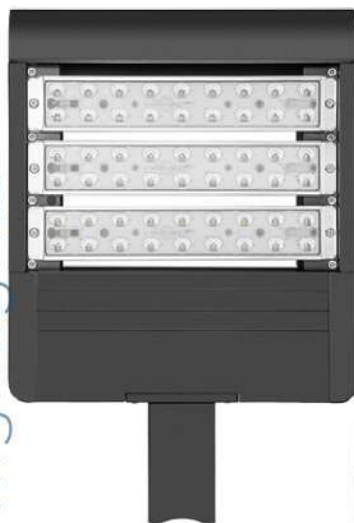
APTAs feature an anti-corrosive, marine-grade finish, 10ka surge protection, IP66, and IK10 impact resistance to withstand extreme weather conditions.

3

Custom and Compliant:

Custom optics, shielding, and a broad selection of Kelvin facilitate full cut-off and dark sky compliant sports and area lighting.

highlights



PH: 800-468-9925

Sales@AccessFixtures.com

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AccessFixtures

High-Performance Lighting Solutions



SCIENCE-BACKED SPORTS ENGINEERING

Photometric engineering prevents physiological responses that can lead to loss of hand-eye coordination.

We'd rather you do it right, not twice.



RETROFIT CUSTOMIZATION

APTA's proprietary optics can be retrofitted to existing infrastructure without risks commonly associated with installing LEDs in positions designed for HID lighting.



LOWERING SYSTEMS FOR HIGH MAST MAINTAINANCE

Hydraulic, mechanical, and weighted raising/lowering systems allow a single person to lower a high mast pole.

Never climb a pole again!



10 YEAR WARRANTY WITH BUILT-IN FAILURE PREVENTION

APTAs have 5 year protection with optional 10 year coverage for complete peace of mind.

Our advanced electrical design prevents total fixture failure.



ALL SPORTS PERFORMANCE CLASSES AVAILABLE

Professional
NCAA
Club
Recreational
Residential
Social



DARK SKY COMPLIANCE

Dark Sky requirements are becoming commonplace and vary from town-to-town.

Customize APTAs to meet any dark sky requirements!





COMMUNITY RELATIONS

Satisfy the code department and your neighbors with APTA's proprietary light spill controls.

Our system reduces complaints by preventing light trespass and obscuring light sources.



LIGHTING MAINTAINANCE

APTA lighting fixtures are virtually maintenance-free and field-serviceable. Remote drivers are also available for easy access.

Eliminate the need to rent lifts to service your lights!



TELEVISION AND SPECTATORS

Fine-tuned photometric engineering, 5700K, and 90+ CRI for maximum player performance and spectator satisfaction.



PERFORMANCE AND EFFICIENCY ON A BUDGET

Spare unnecessary material and installation costs with a photometric.

APTAs custom optics produce better results using fewer fixtures and less power.



CORROSION PREVENTION

APTAs endure 5000-Hour salt spray testing for peace-of-mind in corrosive coastal and winter salt environments.



QUALITY CONTROL & PREMIUM COMPONENTS

Premium QA manufacturing processes
Top-tier components, gaskets, and materials
Tested and inspected before shipment.



APTA FEATURES

Light Source	LED
Kelvin	2200K, 3000K, 400K, 5000K, 5700K
Watts	40w, 60w, 80w, 120w, 180w, 240w, 300w, 360w, 480w, 720w, 960w, 1400w, 1920w, 2400w
Color Options	Gray, Black, Bronze, White, Green (RAL6005), Custom RAL
Housing	High-grade heavy-wall die-cast aluminum
Finish	Marine grade corrosion-resistant polyester powder coat - meets 5000-hour salt spray certification per AST Standard B117
CRI	Ra>70+(Default) / Ra>80+ / Ra>90 +
Lumens	Up to 133,440
LPW	Up to 160 LPW
Operating Temperature	-40°C~+50°C
Optics	T2S, T3S, T3M, T4VVS, B, T4VS, T4S, T4M, T5M, T5W, T10D, T20D, T40D, T40DH, T60D, T60DH, T90D
Power Factor	>0.9 at full load
Total harmonic distortion	<20% at full load
Input Voltage	100-277VAC, 277-480VAC, 50/60Hz
Mounting	U mount (bracket), T mount (arm), L mount (slip fitter), J mount (mast)
Beam Angle	T2S, T3S, T3M, T4VVS, B, T4VS, T4S, T4M, T5M, T5W, T10D, T20D, T40DH, T60DH, T90D
Listings	CUL, DLC, CE, CB, SAA, IP66, IK10
Product Family	APTA
Voltage	100-277 VAC, 200-480 VAC
Warranty	5-year limited warranty / 10-year limited warranty optional



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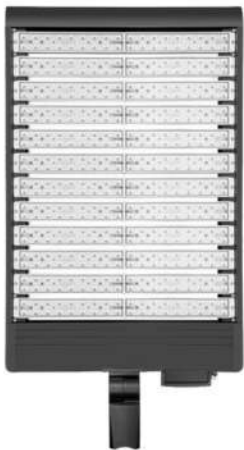
APTA FEATURES & MOUNTS

OPTIONS

- 2200K, 3000K, 4000K, 5000K, 5700K, Amber
- U mounting, T mounting, L mounting, J mounting
- 1-10v dimming
- T2S, T3S, T3M, T4VVS, T4VS, T4S, T4M, T5M, T5W, T10D, T20D, T40DH, T60DH, T90D optics
- 10v PWM control
- DALI control/DMX control
- Microwave motion sensor
- Photocell
- Emergency power supply, back light shield, SAC safety cable, additional cable, spill control
- Ra80+ or Ra90+ optional
- Bird spikes

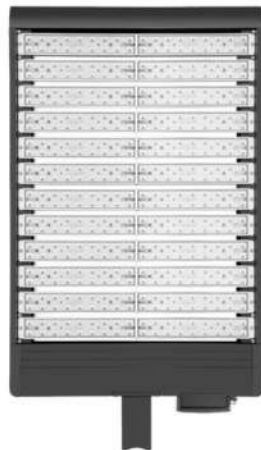
L Mount

Slip Fitter Mount



T Mount

Fixed Arm Mount



U Mount

Bracket Mount



J Mount

Mast Mount



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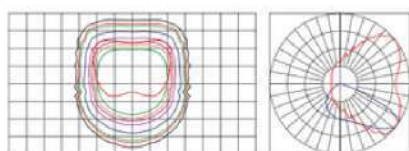
AccessFixtures.com



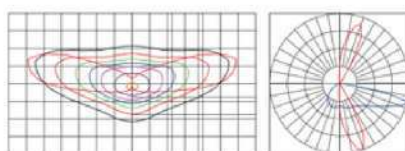
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High-Performance Lighting Solutions

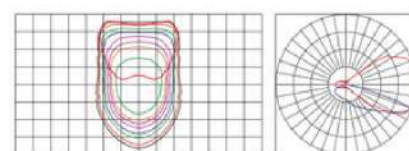
PHOTOMETRICS



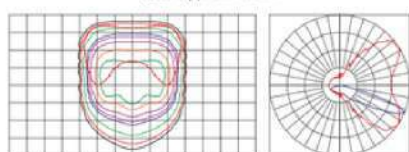
T3S Type III Short



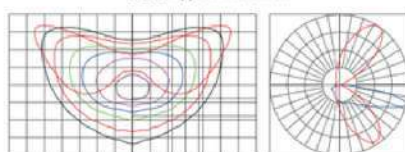
T3M Type III Medium



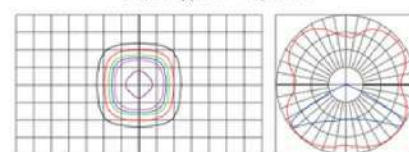
T4V5 Type IV Very Short



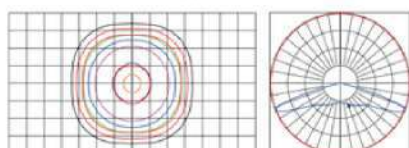
T4S Type IV Short



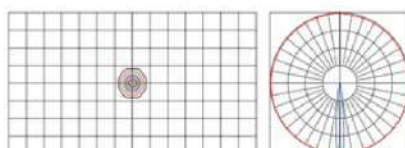
T4M Type IV Medium



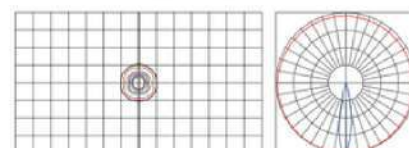
T5M Type V Square Medium



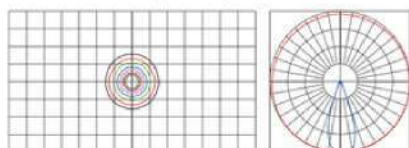
T5W Type V Square Wide



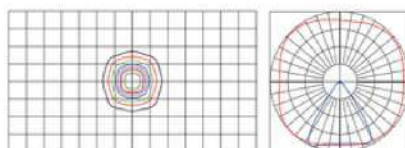
T10D 10° Flood



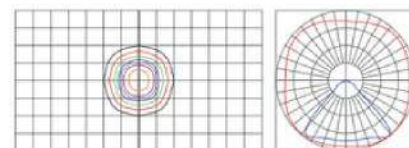
T20D 20° Flood



T40D 40° Flood

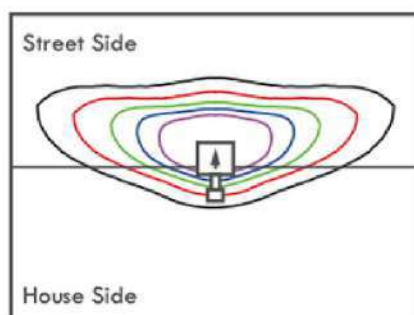


T60D 60° Flood

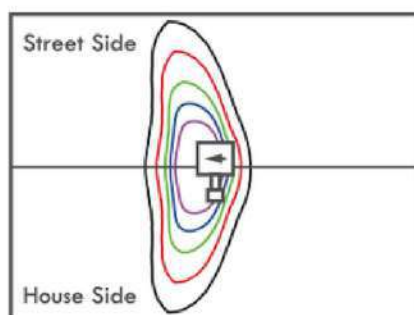


T90D 90° Flood

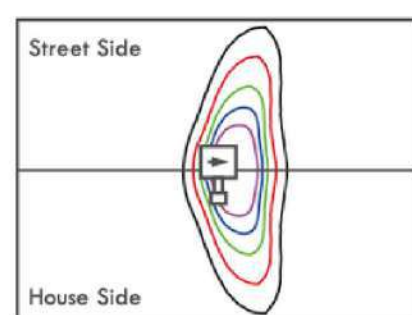
OPTIC ORIENTATION



Standard



Optics Rotated Left @ 90°



Optics Rotated Right @ 90°

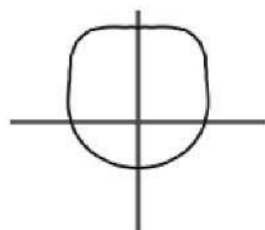


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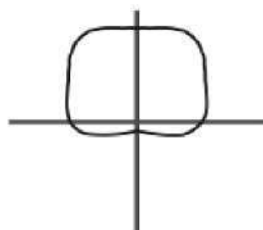
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OPTICAL DISTRIBUTIONS

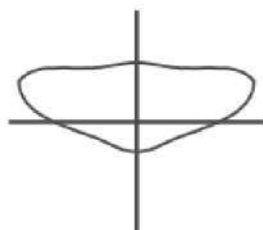
Type III Short



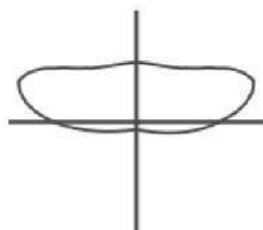
Type III Short
Spill Control



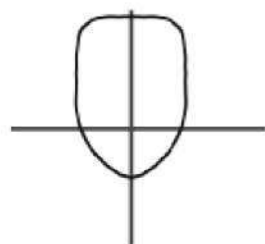
Type III
Medium



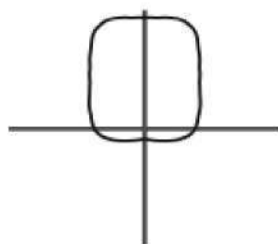
Type III Medium
Spill Control



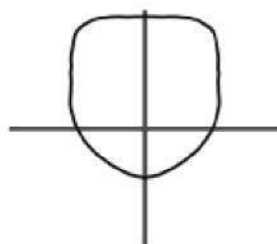
Type IV
Very Short



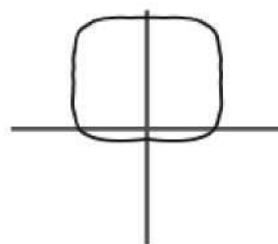
Type IV Very
Short Spill Control



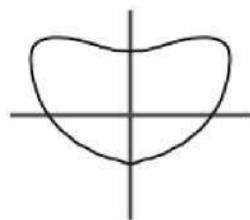
Type IV Short



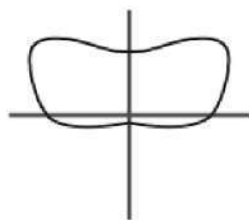
Type IV Short
Spill Control



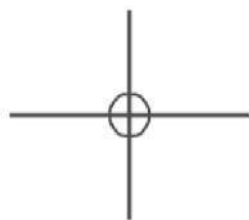
Type IV
Medium



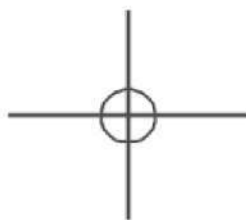
Type IV Medium
Spill Control



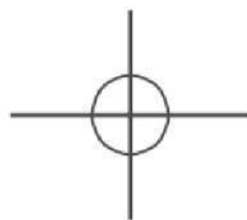
10° Flood



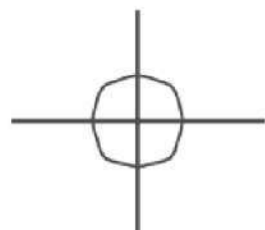
20° Flood



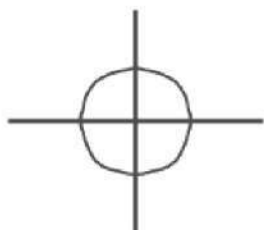
40° Flood



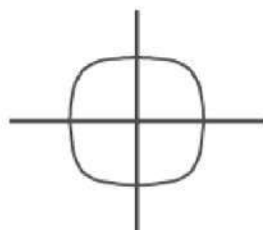
60° Flood



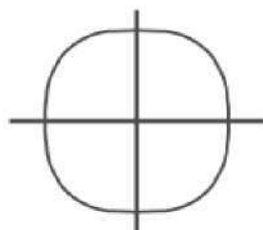
90° Flood



Type V Square
Medium



Type V Square
Wide



ORDERING INFORMATION

MODEL	INPUT VOLTAGE	MOUNTING	OPTIC	RA	CCT	COLOR	OPTIONS
40w 80w 120w 160w 200w 240w 300w 320w 360w 480w 720w 960w 1440w 1920w 2400w	L 100-277VAC H 277-480VAC	U Mount T Mount L Mount J Mount	T2S T3S T3M T4VS T4VVS T4VS T4S T4M T5M T5W T10D T20D T40D T60D T40DH T60DH T90D	70+ 80+ 90+	27K 2700K 30k 3000K 40K 4000K 50K 5000K 57K 5700K	GY Gray (RAL7004) BK Black (RAL9011) BZ Bronze (RAL8019) WH White (RAL____)	DIM1 1-10v Dimming PWM 10V PWM Control DALI DALI Control MMS Motion Sensor PC3 Photocell 3PIN PC7 Photocell 7PIN PC3 Photocell MINI BLS Back Light Shield BSP Bird Spike SP Surge Protection
EXTRAS	Safety Cables Extended Warranty Emergency Power Supply Custom Power Cord Length Vandal Resistant Screws						

SPECIFICATIONS

Model	LED Current	Module Power	Product Size L*W*H (mm/in)	Packing Size L*W*H (mm/in)	Net weight	Gross weight	Typical luminous flux (lm)	Typical efficiency (lm/w)
40w	700mA	40w	398(15.67)*334(13.15)*75(2.95)	475(18.70)*425(16.73)*160(6.30)	5.3	6.3	6080	152
80w	700mA	40w	460(18.11)*334(13.15)*75(2.95)	535(21.06)*425(16.73)*160(6.30)	6.4	7.5	12160	152
120w	700mA	40w	523(20.59)*334(13.15)*75(2.95)	600(23.62)*425(16.73)*160(6.30)	7.1	8.4	18360	153
160w	700mA	40w	585(23.03)*334(13.15)*75(2.95)	660(25.98)*425(16.73)*160(6.30)	7.8	9.0	24960	156
200w	700mA	40w	648(25.51)*334(13.15)*75(2.95)	725(28.54)*425(16.73)*160(6.30)	8.7	9.9	30800	154
240w	700mA	40w	710(27.95)*334(13.15)*75(2.95)	785(30.90)*425(16.73)*160(6.30)	9.4	10.7	36960	154
320w	700mA	40w	835(32.87)*334(13.15)*75(2.95)	910(35.83)*425(16.73)*160(6.30)	11.5	12.9	49920	156
360w	1050mA	60w	710(27.95)*334(13.15)*75(2.95)	785(30.90)*425(16.73)*160(6.30)	10.2	11.37	50040	139
480w	1050mA	60w	835(32.87)*334(13.15)*75(2.95)	790(31.10)*700(27.56)*160(6.30)	11.6	13.0	67200	140
720w	1050mA	120w	720(28.35)*608(23.94)*75(2.95)	790(31.10)*700(27.56)*160(6.30)	16.1	18.1	10080	139
960w	1050mA	120w	845(33.27)*608(23.94)*75(2.95)	915(36.02)*700(27.56)*160(6.30)	19.7	21.9	133440	139
1440w	1400mA	120w	908(35.73)*608(23.94)*75(2.95)	980(38.58)*700(27.56)*160(6.30)	21.2	23.4	184320	128
1920w	1400mA	120w	1095(43.11)*608(23.94)*75(2.95)	1170(46.06)*700(27.56)*160(6.30)	22.8	25.8	245760	128
2400w	1400mA	120w	1123(44.21)*608(23.94)*75(2.95)	1360(53.54)*700(27.56)*160(6.30)	24.7	28.0	307200	128

LUMINAIRE EPA

T Mount (Arm)

	40-60W	80-120W	120-180W	160-240W	200-300W	240-360W	320-480W	720W	960W
									
	0.32	0.36	0.41	0.45	0.50	0.55	0.65	0.60	0.69

L Mount (Slipfitter)

	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
									
40-60W	0.36	0.44	0.50	0.58	0.66	0.73	0.81	0.87	0.95
80-120W	0.41	0.51	0.60	0.70	0.80	0.89	0.99	1.08	1.18
120-180W	0.46	0.58	0.70	0.82	0.94	1.05	1.17	1.29	1.41
160-240W	0.51	0.65	0.79	0.93	1.07	1.21	1.35	1.49	1.63
200-300W	0.56	0.72	0.89	1.05	1.21	1.37	1.54	1.70	1.86
240-360W	0.60	0.79	0.97	1.16	1.34	1.53	1.71	1.90	2.08
320-480W	0.70	0.93	1.16	1.39	1.62	1.84	2.07	2.30	2.53
720W	0.65	1.03	1.41	1.79	2.17	2.54	2.92	3.30	3.68
960W	0.74	1.22	1.70	2.17	2.65	3.13	3.61	4.08	4.56



LUMINAIRE EPA

U Mount (Bracket)

	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
									
40-60W	0.36	0.44	0.50	0.58	0.66	0.73	0.81	0.87	0.95
80-120W	0.42	0.51	0.60	0.68	0.77	0.86	0.95	1.03	1.12
120-180W	0.46	0.57	0.68	0.79	0.91	1.02	1.13	1.24	1.35
160-240W	0.50	0.63	0.77	0.90	1.04	1.17	1.30	1.44	1.57
200-300W	0.55	0.71	0.86	1.02	1.18	1.33	1.49	1.64	1.80
240-360W	0.59	0.77	0.95	1.13	1.31	1.48	1.66	1.84	2.02
320-480W	0.68	0.90	1.13	1.35	1.58	1.80	2.02	2.25	2.47
720-960W	0.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70
960W	0.82	1.28	1.75	2.21	2.67	3.13	3.60	4.06	4.52
1440W	0.86	1.32	1.79	2.36	2.82	3.38	3.86	4.46	4.80
1920W	0.96	1.52	2.20	3.48	4.11	4.70	5.34	5.34	6.02
2400W	1.04	1.65	2.38	3.77	4.45	5.10	5.78	5.78	6.52

J Mount (Mast)

	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
									
40-60W	0.36	0.44	0.50	0.58	0.66	0.73	0.81	0.87	0.95
80-120W	0.42	0.51	0.60	0.68	0.77	0.86	0.95	1.03	1.12
120-180W	0.46	0.57	0.68	0.79	0.91	1.02	1.13	1.24	1.35
160-240W	0.50	0.63	0.77	0.90	1.04	1.17	1.30	1.44	1.57
200-300W	0.55	0.71	0.86	1.02	1.18	1.33	1.49	1.64	1.80
240-360W	0.59	0.77	0.95	1.13	1.31	1.48	1.66	1.84	2.02
320-480W	0.68	0.90	1.13	1.35	1.58	1.80	2.02	2.25	2.47
720-960W	0.74	1.11	1.48	1.85	2.22	2.59	2.96	3.33	3.70
960W	0.82	1.28	1.75	2.21	2.67	3.13	3.60	4.06	4.52
1440W	0.86	1.32	1.79	2.36	2.82	3.38	3.86	4.46	4.80
1920W	0.96	1.52	2.20	3.48	4.11	4.70	5.34	5.34	6.02
2400W	1.04	1.65	2.38	3.77	4.45	5.10	5.78	5.78	6.52



CERTIFICATION & STANDARDS

Certification	Standards	Remark
CE-LVD Low Voltage Directive (2014/35/EC)	EN 60598-2-3/A1:2011	Applicable for Street Light
	EN 60598-2-5:2015	Applicable for Flood Light
	EN 60598-1:2015/A11:2018	
	EN 62471:2008	
	EN 62493:2015	
CE-EMC Electromagnetic Compatibility Directive (2014/30/EU)	EN 55015:2013/A1:2015	
	EN 61547:2009	
	EN 61000-3-2:2014	
	EN 61000-3-3:2013	
CE-ErP Energy-Related Products Directive (2009/125/EU)	EU 1194/2012:2012-12-12	
	EC 244/2009:2009-03-18	
	EU 859/2009:2009-09-18	
CE-RoHS Directive (2011/65/EU)	EN 62321:2009	
CB	IEC 60598-2-3/A1:2011	Applicable for Street Light
	IEC 60598-2-5:2015	Applicable for Flood Light
	IEC 60598-1:2014	
	IEC 62471:2006	
	IEC 62471-2:2009	
ENEC	EN 60598-2-3/A1:2011	Applicable for Street Light
	EN 60598-2-5:2015	Applicable for Flood Light
	EN 60598-1: 2015/A1: 2018	
	EN 62471:2008	
SAA	EN 62493:2010	
	AS/NZS 60598.2.3:2015	
ATEX ATEX 95 Equipment Directive(94/9/EC)	AS/NZS 60598.1:2017	
	EN 60079-0:12	
	EN 60079-11:12	
UL	EN 60529:1989+A1:1999	
	UL1598	
	UL8750	
	CSA C22.2 No. 250.0-08	
FCC	CSA C22.2 No. 250.13-14	
	Title 47 CFR Part 15	
PSE	日本電気用品安全法省令別表第八(Safety)	
	日本電気用品安全法省令別表第十(EMC)	
Photobiological Safety	EN 62471:2008	
	IEC 62471:2006	
Vibration test	ANSI C136.31-2010	Applicable for Street Light
	IEC/EN 60598-2-5 clause 5.6.7	Applicable for Flood Light
Salt spray test	ISO 9227:2012	
	ASTM B117	
IK08 Impact resistance test	IEC 62262:2002	
IP65 or IP67 test	IEC/EN 60598-1:2015 clause 9.2.2 and clause 9.2.6 or clause 9.2.8	
	IES LM-79-2008	
	ANSI C82.77-2002	
	ANSI C78.377-2011	



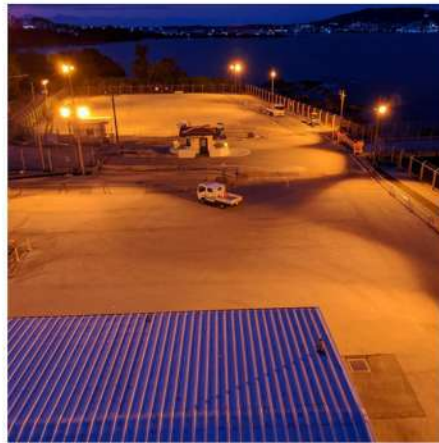
CERTIFICATION & STANDARDS

Salt spray test	ISO 9227:2012	
	ASTM B117	
IK08 Impact resistance test	IEC 62262:2002	
IP65 or IP67 test	IEC/EN 60598-1:2015 clause 9.2.2 and clause 9.2.6 or clause 9.2.8	
Photometric and Integrating Sphere test	IES LM-79-2008	
	ANSI C82.77-2002	
	ANSI C78.377-2011	
	CIE 13.3-1995	
	CIE 15-2004	
	IES TM-15-11	
LED Module	IES LM-63-2002	
	IEC/EN 62031:2008+A1:2013	
LED Lamps	IES LM-80-2008	
	ANSI C78.377-2011	
	JESD22 A108	
	JESD22 A101C	
	JESD22 A105	
	JESD22 B104	
LED Driver	JESD22 A114	
	EN 61347-1:2008	
	EN 61347-2-13:2006	
	EN 62384:2006+A1:2009	
	EN 55015:2006+A1:2007+A2:2009	
	EN 61000-3-2:2006+A1:2009+A2:2009	
	EN 61000-3-3:2008	
	EN 61547:2009	
	IEC 62386 Part 102 and Part 207	Applicable for DALI
	UL1012 UL879 UL935	
Surge Protection Device	FCC Title 47 CFR Part 15 Class A	
	ANSI/IEEE C62.41.2-2002	
Receptacle	UL1449	
	ANSI C136.10-2010	
Dimming Receptacle	ANSI C136.41-2013	



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