

SPEC
SHEET



APTO

LED FULL CUTOFF WALL PACK

AccessFixtures.com

1

EXTREME-LIFE: L70 rated @ 200,000 hours and 5/10 year limited warranty means years of maintenance-free service

2

Precision Optics: Full cut-off precision optics elegantly direct light where needed, minimizing unwanted dispersion upwards or in undesired areas

3

Controls: Available with a photocell, occupancy and dimming controls, or ready for DALI or similar control systems

highlights





AccessFixtures

High-Performance Lighting Solutions



10 YEAR WARRANTY WITH BUILT-IN FAILURE PREVENTION

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

Our advanced electrical design prevents total fixture failure.



QUALITY CONTROL & PREMIUM COMPONENTS

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



CODE COMPLIANT

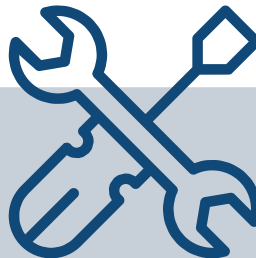
LEDs' complexity contrasts with older bulb technology, creating issues with existing ordinances. However, APTOs offer code-compliant solutions for desired lighting results.



PERFORMANCE AND EFFICIENCY ON A BUDGET

Spare unnecessary material and installation costs with a photometric.

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



VANDAL RESISTANT

Incorporating vandal-resistant screws into APTOs serves to mitigate the impact of vandalism, enhancing their durability and resilience against deliberate damage.



SCIENCE-BACKED LIGHT ENGINEERING

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

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

PH: 800-468-9925

Sales@AccessFixtures.com

AccessFixtures.com



AccessFixtures

High-Performance Lighting Solutions



CORROSION PREVENTION

APTOs endure 1000-hour salt spray testing for peace of mind in corrosive coastal and winter salt environments.



OSHA COMPLIANCE

OSHA lighting requirements can differ even within a single room. Consult our lighting specialists to prevent workplace liabilities and ensure compliance.



DARK SKY COMPLIANCE

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

Customize APTOs to meet *any* dark sky requirements, even in sports applications!



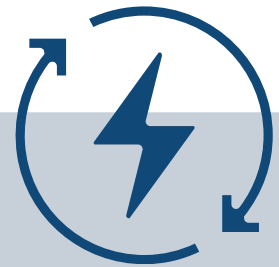
RETROFIT CUSTOMIZATION

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



COMMUNITY RELATIONS

Satisfy the code department *and* your neighbors with APTO's proprietary light spill controls. Our system reduces complaints by preventing light trespass and obscuring light sources.



UNSTABLE POWER GRID PROTECTION

Power grid instability can compromise common LEDs.

APTOs offer standard surge protection and advanced surge protection (optional) for complete piece of mind.



ORDERING INFORMATION

MODEL	INPUT VOLTAGE	OPTIC	CCT	COLOR	OPTIONS
AF88XWFC40	L 100-277VAC	T2S	22K	GY	DIM 1-10V Dimming
AF88XWFD60		T3S	30K	BK	DALI DALI Control
AF88XWFC80		T3M	40K	WH	MMS Motion Sensor
AF88XWFC80		T4S	50K	BZ	EPS Emergency Power Supply
AF88XWFD100		T4M	57K		PCM Photocell MINI
		T5M			ORL Optics Rotated Left
		T90D			ORR Optics Rotated Right

PERFORMANCE SUMMARY

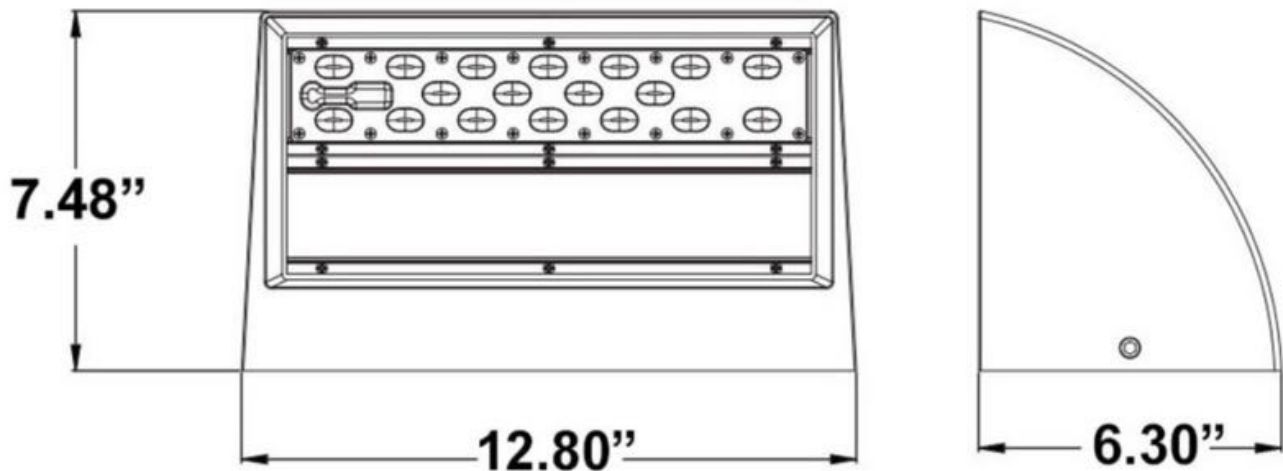
Input Voltage	100-277VAC, 50/60Hz
Nominal Power	40W~100W
Efficiency	Up to 160 LPW
CRI	Ra>70(Default)/Ra>80/Ra>90
Power Factor	>0.9 at full load
Total Harmonic Distortion	<20% at full load
Optic(IESNA)	Type II, Type III, Type IV, Type V
Operating Temperature	-40°C~+50°C
Accessories & Options	1-10V Dimming, DALI, Motion Sensor, Emergency Power Supply, Photocell MINI
Color Options	Gray, Black
L70/ L90	>200,000H/ >60,000H
Limited Warranty	5 year limited warranty - Optional 10 year limited warranty

SPECIFICATIONS

Model	Nominal power	LED current	Module number	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)
-------	---------------	-------------	---------------	--------------	----------------------------	----------------------------	------------	--------------	---------------------------	---------------------------

100-277VAC

WFC40L	40W	700mA	1	40W	297(11.69)*209(8.23)*113(4.45)	405(15.94)*275(10.83)*180(7.09)	2.9KG	3.5KG	6000	150
WFD60L	60W	1050mA	1	60W	297(11.69)*209(8.23)*113(4.45)	405(15.94)*275(10.83)*180(7.09)	2.9KG	3.8KG	8340	139
WFC80L	80W	700mA	2	40W	297(11.69)*209(8.23)*113(4.45)	405(15.94)*275(10.83)*180(7.09)	3.1KG	3.7KG	12160	152
WFD100L	100W	900mA	2	50W	297(11.69)*209(8.23)*113(4.45)	405(15.94)*275(10.83)*180(7.09)	3.2KG	3.8KG	14300	143

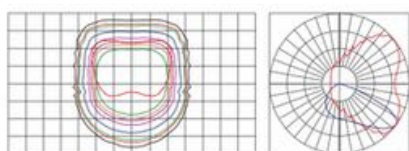


FEATURES

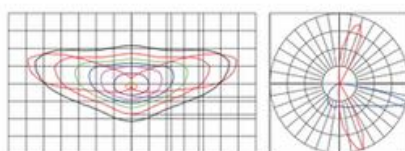
OPTIONS

- 2200K, 3000K, 4000K, 5000K, 5700K, Amber
- Vertical Tenon Mount
- 1-10v dimming
- T2S, T3S, T3M, T4S, T4M, T5M, T90D optics
- DALI control
- Microwave Motion Sensor
- Photocell
- Optics Rotated Left/Right
- Emergency Power Supply
- Vandal Resistant Screws
- Ra70+, Ra80+ or Ra90+

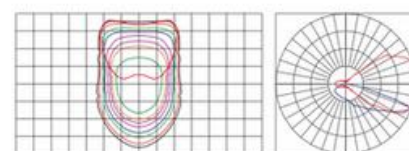
PHOTOMETRIC ANALYSIS



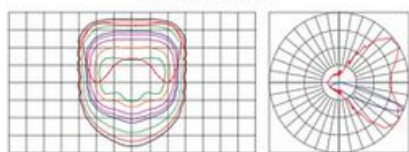
T3S Type III Short



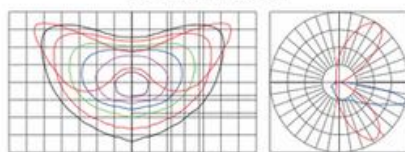
T3M Type III Medium



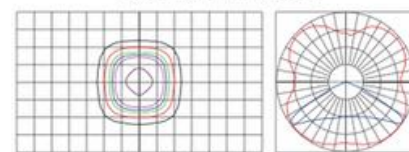
T4VS Type IV Very Short



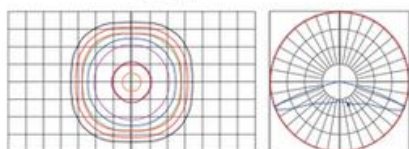
T4S Type IV Short



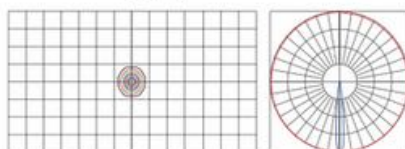
T4M Type IV Medium



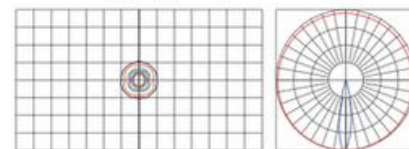
T5M Type V Square Medium



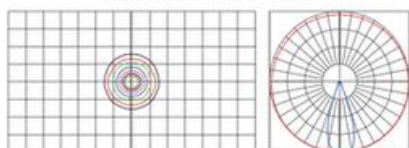
T5W Type V Square Wide



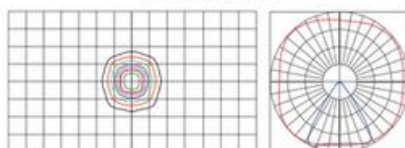
T10D 10° Flood



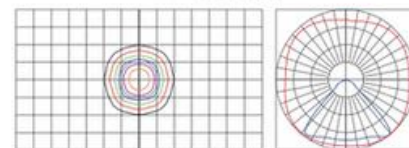
T20D 20° Flood



T40D 40° Flood

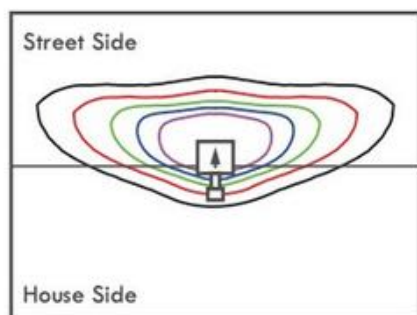


T60D 60° Flood

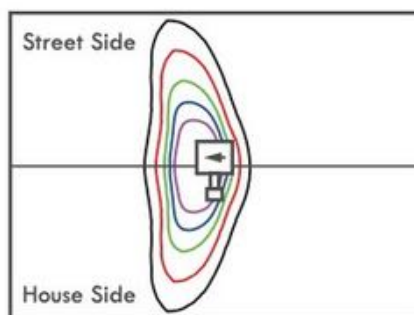


T90D 90° Flood

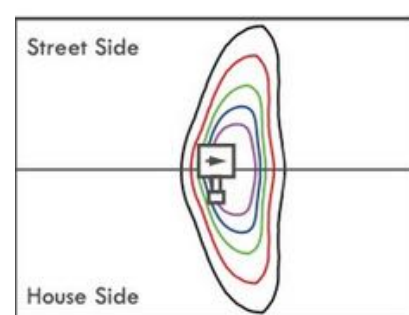
OPTIC ORIENTATION



Standard



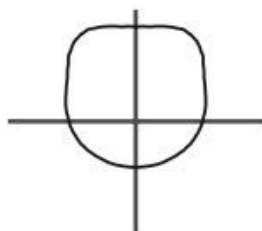
Optics Rotated Left @ 90°



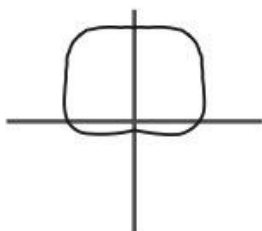
Optics Rotated Right @ 90°

OPTICAL DISTRIBUTIONS

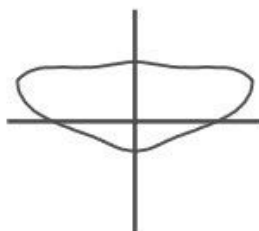
Type III Short



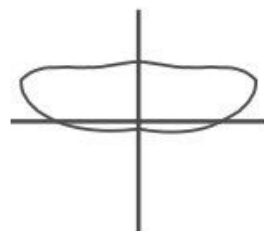
Type III Short
Spill Control



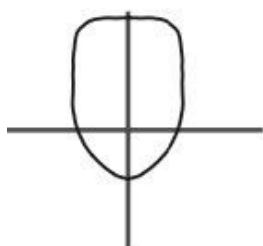
Type III
Medium



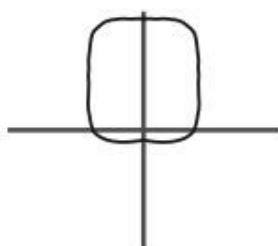
Type III Medium
Spill Control



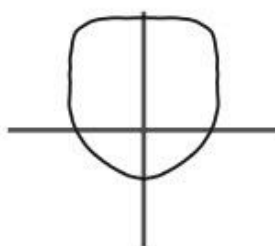
Type IV
Very Short



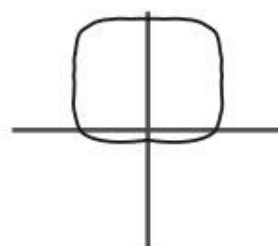
Type IV Very
Short Spill Control



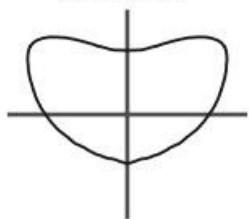
Type IV Short



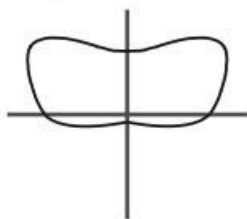
Type IV Short
Spill Control



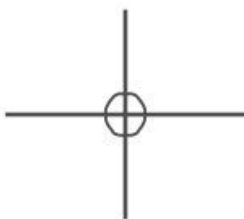
Type IV
Medium



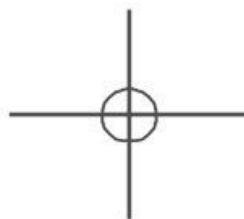
Type IV Medium
Spill Control



10° Flood



20° Flood



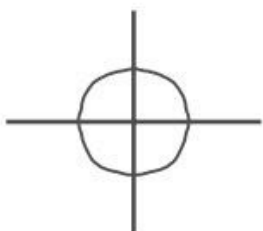
40° Flood



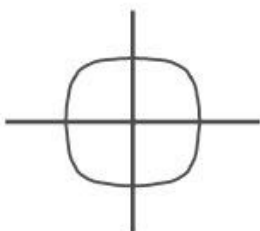
60° Flood



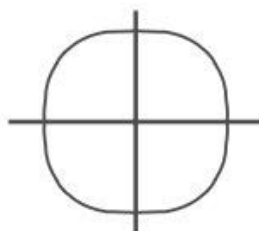
90° Flood



Type V Square
Medium

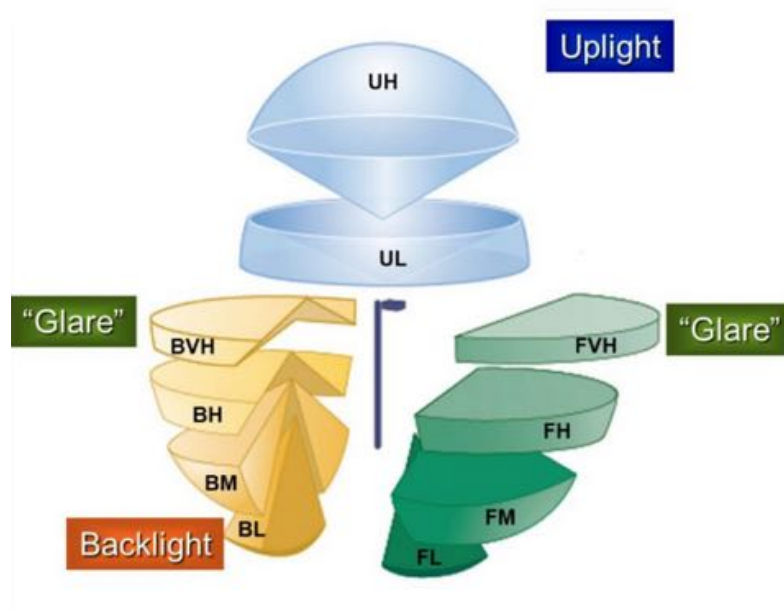


Type V Square
Wide



PHOTOMETRIC ANALYSIS

BUG RATING						
Wattage Optics	T2S	T3M	T3S	T4M	T4S	T4VS
10w	3, 0, 1	3, 0, 1	3, 0, 1	3, 0, 2	3, 0, 2	3, 0, 1
20w	3, 0, 1	3, 0, 1	3, 0, 1	3, 0, 2	3, 0, 2	3, 0, 1
30w	3, 0, 1	3, 0, 1	3, 0, 1	3, 0, 2	3, 0, 2	3, 0, 1
40w	3, 0, 1	3, 0, 1	3, 0, 1	3, 0, 2	3, 0, 2	3, 0, 1
60w	3, 0, 1	3, 0, 1	3, 0, 1	3, 0, 2	4, 0, 2	3, 0, 2
80w	3, 0, 2	3, 0, 2	4, 0, 1	4, 0, 2	4, 0, 2	4, 0, 2
100w	4, 0, 2	4, 0, 2	4, 0, 1	4, 0, 2	4, 0, 2	4, 0, 2



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	
	EN 62493:2010	
SAA	AS/NZS 60598.2.3:2015	
	AS/NZS 60598.1:2017	
ATEX ATEX 95 Equipment Directive(94/9/EC)	EN 60079-0:12	
	EN 60079-11:12	
	EN 60529:1989+A1:1999	
UL	UL1598	
	UL8750	
	CSA C22.2 No. 250.0-08	
	CSA C22.2 No. 250.13-14	
FCC	Title 47 CFR Part 15	

CERTIFICATION & STANDARDS

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	
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
Surge Protection Device	UL1012 UL879 UL935	
	FCC Title 47 CFR Part 15 Class A	
Receptacle	ANSI/IEEE C62.41.2-2002	
	UL1449	
Dimming Receptacle	ANSI C136.10-2010	
	ANSI C136.41-2013	