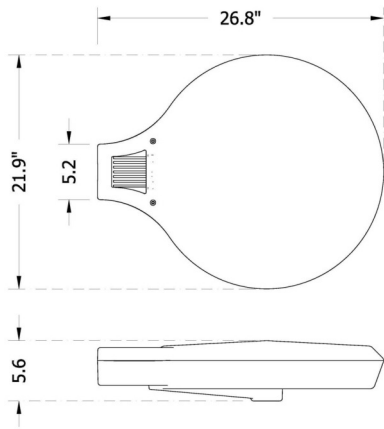


Project Name

Qty

Type

Catalog / Part Number



Distribution Type



Type 5

CCT - Color Temp (K)

2,700K

3,000K

3,500K

4,000K

5,000K

7 Year Warranty



IP Rating



Certifications



Description

The FL630 Flight™ is a unique medium scale downlight that can be mounted in single or multi-tiered configurations. The indirect LED system and SoftVue™ lens promotes visual comfort with significantly reduce glare. Sternbergs patented Heat-Pipe technology delivers unparalleled thermal management to the system allowing for long life and efficiency.

EPA: .47 (#2) | WEIGHT: 21 LBS

Features

Mounting Configuration	1W: Wall Mount	1A: 1 Arm Mount
	2A: 2 Arm Mount @ 180°	2A90: 2 Arm Mount @ 90°
	3A: 3 Arms @ 120°	3A90: 3 Arms @ 90°
	4A: 4 Arms @ 90°	1AM: 1 Arm Mid-Mount
	2AM: 2 Arm Mid-Mount @180°	
Optional Control Receptacle	R7: 7-Pin control receptacle only	
Optional Control	PE: Twist-Lock Photocontrol (120V-277V)	
	PE4: Twist-Lock Photocontrol (347V-480V)	
	SC: Shorting Cap	
Optional Fuse	FHD: Double Fuse and Holder	
Optional House Side Shield	HSS: 120° House Side Shield	
Optional Fixed Dimming Resistor Board	FDRB: Fixed Dimming Resistor Board	

Physical

Fixture	FL630: Medium Flight
Lens	SV2: Flat Soft Vue Moderate Diffused Acrylic
Optional Pole Adapter	RP345: Round Pole Adapter for 3", 4" or 5" diameter pole shafts.
	MA: 2-3/8" Mast Arm Adapter.
	FMA: Flat Mount Adapter.

Optional Arm	F01M: Flight Decorative Arm, Medium	
Finish	UGMT: Urban Gun Metal Textured	UGM: Urban Gun Metal Matte
	UBT: Urban Bronze Textured	UB: Urban Bronze Matte
	USLT: Urban Silver Textured	USL: Urban Silver Matte
	UWHT: Urban White Textured	UWH: Urban White Matte
	BKT: Black Textured	CM: Custom Match
Light Source		
LED	1L: 1 LED	
CCT - Color Temp (K)	27: 2,700K	30: 3,000K
	35: 3,500K	40: 4,000K
	50: 5,000K	
Distribution Type	T5: Type 5	
Electrical and control		
Driver	MDL12: 120V-277V, 1200mA	MDH12: 347V-480V, 1200mA
	MDL16: 120V-277V, 1600mA	MDH16: 347V-480V, 1600mA
Optional Motion Sensor	MOT1: 360° lens, maximum coverage 40' diameter from 20' height	
	MOT2: 360° lens, maximum coverage 70' diameter from 20' height	

Specifications

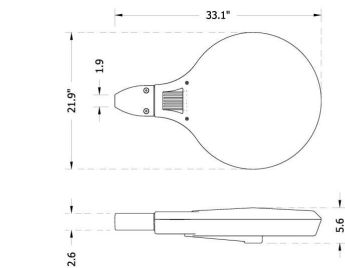
Mounting	Optional Round Pole Adapter (RP345) side mounts to 3", 4" or 5" diameter round poles Optional Flat Mount Adapter (FMA) side mounts to 4" minimum square pole shafts Optional Mast Arm Adapter (MA) slip fits 2-3/8" OD x 6" long horizontal tenon
Heat Pipes	Patented heat-pipe technology efficiently pulls heat away from the LED's, lowering the temperature while increasing the life and efficacy of the LED system. The pipes use a combination of evaporation and condensation of the working fluid to transfer heat away from heat sensitive components to the aluminum body where it can dissipate.
Arm Assembly	The optional upsweeping cast aluminum arm adds decorative details and extends the fixture from the pole/wall.
Hardware	Includes Stainless steel hardware. Most finishes will include hardware with a Black Oxide conversion coating. Light finishes will get non-color coated hardware (Whites and Silvers)
Lens	Optional SoftVue™ lens provides optimal visual comfort.
UL Listing	UL listed per UL1598 and CSA 22.2 No. 250.0 for the United States and Canada. Suitable for Wet Locations.
Electronic Driver	The LED driver is UL recognized and will be securely mounted inside the fixture, for optimized performance and longevity. It will be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections for fixture installation and maintenance. It will have DC voltage output and be a constant current design. It runs at 50/60HZ and will have overload, overheat, and short circuit protection. It will be supplied with a supplemental line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It will be a high efficiency driver with a THD less than 20% and a high-power factor greater than .9. It will be dimming capable using a 0-10V signal, consult factory for more information.
NightSky® Friendly	Dark sky compliant optics with a U0 BUG rating for specific configurations.
IP Rating	IP65 rated

Finish	Our 6 Stage Polyester Powder coat paint system offers a beautiful high-end finish that holds up to even the most extreme environments. Each part is inspected for quality and consistency before being released for shipment. Our system exceeds AAMA 2604, AAMA 2605, ASTM D523 and ASTM D4214 requirements.
Urban Finish	The Urban finish palette was created to highlight a modern, elegant aesthetic. All finishes are a 1 part powder coat with metallic flakes for a superior appearance. Finishes are available in textured or matte. Available finishes include: Black Textured, Urban Gun Metal, Urban Bronze, Urban Silver and Urban White
Custom Finish	Custom finishes are offered to adapt to any application. Custom Match option is available to blend sternberg product with the site, consult factory for more information.
Warranty	7-year limited warranty. See Website for Terms and Conditions.
LEDs	The luminaire shall use high output, high brightness LEDs, consisting of a two piece assembly complete with Chip on Board (COB) LED component and COB holder frame. The LEDs shall be 100% recyclable; not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. Lumen maintenance shall be determined in accordance with IESNA TM-21, based on LED manufacturer LM-80 test data of no less than 6,000 hours and in-situ testing of the luminaire by an NVLAP accredited Energy Efficient Lighting Products lab. The high performance white LED's will have a predicted lumen depreciation of approximately 100,000 hours with greater than 70% of initial output at 25°C. The High Brightness, High Output LEDs shall be 4000K (2700K, 3000K, 3500K or 5000K option) correlated color temperature (CCT) with a 70 (minimum) color rendering index (CRI). Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F). CCT Lumen Derate Values from 4,000K 2,700K (80+ CRI)= .88 3,000K (70+ CRI)= .97 3,500K (80+ CRI)= .93 5,000K (70+ CRI)= 1.01
Optics	The luminaire shall be provided with an individual, refractor type optic applied to the LED. The luminaire shall provide Type Symmetric (TS) light distribution. Testing shall be done in accordance with IESNA LM-79.
Backlight Optical Control	Internal House Side Shield (HSS): An optional INTERNAL 120° House Side Shield helps control backlight. Spun aluminum panel painted to match fixture.
Fixed Dimming Resistor Board (FDRB)	Optional numbered 10-step selector switch allows for fine adjustment of the light levels in the field, repeatable from location to location. Offers dimming from 25% to 100% of the original output. Enclosure is composite material, sealed to protect components for the life of the product.
Motion Sensor	The programmable passive infrared motion sensor is installed integral to the fixture. 2 coverage area lenses available; assuming a 20' mounting height a lens with 40' coverage (MOT1) and 70' coverage (MOT2) is available. Sensor includes Dusk/Dawn light sensor for ambient light levels. Custom pre-set programming options can be set at the factory. Optional wireless programming controller available for field reprogramming (FSIR-100).
Photocontrols	Twist-Lock Style (Roof Mount): The photocontrol shall be mounted on the roof and prewired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turnoff at 2-3 footcandles. Photocontrol is 120-277 volt.

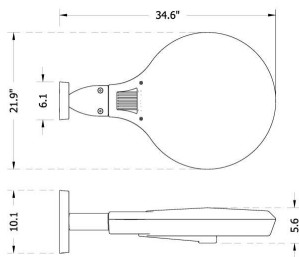
Lumen Chart(s)

Model #	DELIVERED LUMENS	BUG	EFFICACY (LPW)	WATTAGE
1L40T5-MDL16	9240	B3U0G3	99.4	93
1L30T5-MDL16	9005	B3U0G3	96.8	93
1L27T5-MDL16	8180	B3U0G3	88.0	93
1L40T5-MDL12	7000	B2U0G2	106.1	66
1L30T5-MDL12	6820	B2U0G2	103.3	66
1L27T5-MDL12	6195	B2U0G2	93.9	66

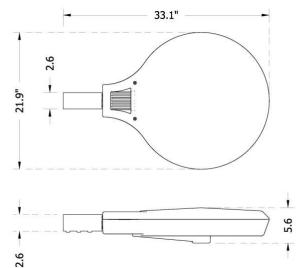
Dimensions



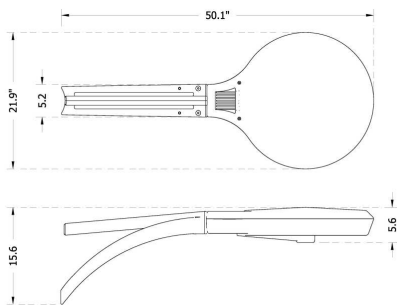
Flat Mount Adapter or Round Pole Adapter
(FMA/RP345)



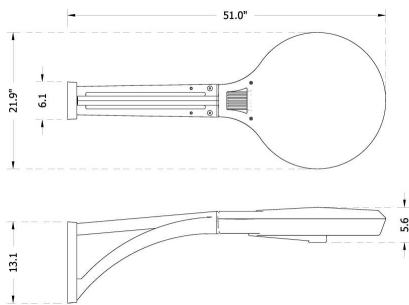
Wall Mount with a Flat Mount Adapter
(1W-FMA)



Mast Arm Adapter
(MA)

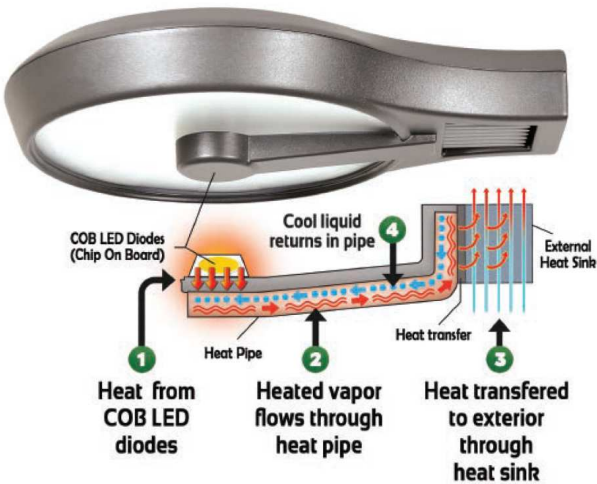
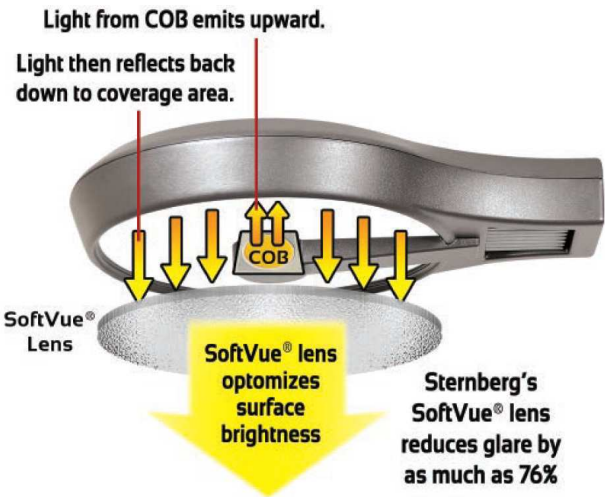


Pole mounted "F01M" arm
(F01M)

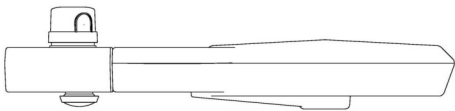


Wall mounted "F01M" arm
(1W-F01M)

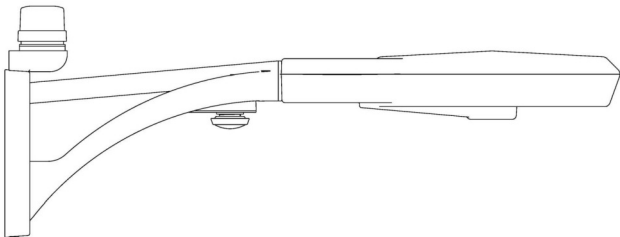
Other Features



Options



Motion Sensor **(MOT1/MOT2)**
OR
7-Pin Control Receptacle with Photocell **(R7-PE/PE4)**



Motion Sensor on Arm **(MOT1/MOT2)**
OR
7-Pin Control Receptacle with Photocell on Arm **(R7-PE/PE4)**



Double Fuse Holder & (2) 3A Fuses **(FHD)**



Fixed Dimming Resistor Board **(FDRB)**

How to Order

Mounting Configuration	Fixture	LED	CCT - Color Temp (K)	Distribution Type	Driver	Lens
1W Wall Mount ⁽¹⁾ 1A 1 Arm Mount ⁽²⁾ 2A 2 Arm Mount @ 180° ⁽²⁾ 2A90 2 Arm Mount @ 90° ⁽²⁾ 3A 3 Arms @ 120° ^{(2) (3)} 3A90 3 Arms @ 90° ⁽²⁾ 4A 4 Arms @ 90° ⁽²⁾ 1AM 1 Arm Mid-Mount ⁽²⁾ 2AM 2 Arm Mid-Mount @ 180° ⁽²⁾	FL630 Medium Flight	1L 1 LED	27 2,700K 30 3,000K 35 3,500K 40 4,000K 50 5,000K	T5 Type 5	MDL12 120V-277V, 1200mA MDH12 347V-480V, 1200mA MDL16 120V-277V, 1600mA MDH16 347V-480V, 1600mA	SV2 Flat Soft Vue Moderate Diffused Acrylic

Notes:

1. Requires FMA or F01S arm.

2. Requires Pole Adapter.

3. Only available with a round profile pole.

How to Order

Optional Control Receptacle ⁽⁴⁾ ⁽⁵⁾	Optional Control ⁽⁶⁾	Optional Motion Sensor ⁽⁴⁾ ⁽⁵⁾ ⁽⁷⁾ ⁽⁸⁾	Optional Fuse ⁽⁹⁾	Optional House Side Shield	Optional Pole Adapter ⁽¹⁰⁾	Optional Fixed Dimming Resistor Board ⁽⁷⁾	Optional Arm ⁽¹¹⁾	Finish
R7 7-Pin control receptacle only	PE Twist-Lock Photocontrol (120V-277V) PE4 Twist-Lock Photocontrol (347V-480V) SC Shorting Cap	MOT1 360° lens, maximum coverage 40' diameter from 20' height MOT2 360° lens, maximum coverage 70' diameter from 20' height	FHD Double Fuse and Holder	HSS 120° House Side Shield	RP345 Round Pole Adapter for 3", 4" or 5" diameter pole shafts. MA 2-3/8" Mast Arm Adapter. FMA Flat Mount Adapter.	FDRB Fixed Dimming Resistor Board	F01M Flight Decorative Arm, Medium	UGMT Urban Gun Metal Textured UGM Urban Gun Metal Matte UBT Urban Bronze Textured UB Urban Bronze Matte USLT Urban Silver Textured USL Urban Silver Matte UWHT Urban White Textured UWH Urban White Matte BKT Black Textured CM Custom Match ⁽¹²⁾

Notes:

4. Not for use with FDRB.

5. Requires RP345, FMA or 1W-F01S

6. Requires control receptacle.

7. Not for use with R7.

8. For use with MDLxx driver only.

9. Ships loose for installation in base.

10. Required for all mounting configurations (Except wall mount).

11. Not for use with a pole adapter.

12. Custom colors require upcharge.