

STARCLEAN AERFLO™ TEARDROP SERIES

PROJECT: _____

TYPE: _____

PRODUCT: _____

APPROVED BY: _____

PRODUCT FEATURES

- Aerodynamic design ideal for laminar flow environments. Intended for Cleanrooms, Vivariums, Containment Areas, Hospitals, Laboratories, Pharmaceuticals, and more
- Available in 2ft, 4ft, and 8ft lengths
- Available in White (3000K-5000K) LED
- Certified IP53 per IEC60598, ISO Class 3 (Fed Std. 209E/Class 1), NSF2 Splash Zone/Non-Food Zone, Optional MIL-STD-461G
- This product is Made in America and complies with the Buy American Act (BAA) and the Build America, Buy American Act (BABAA).



AFO Series

ORDERING INFORMATION

Example: AFO4-ST30-90C-UN



AFO						
Series	Size	Lumen Output	Color Temp.	CRI	Voltage	Options
	2 = 2ft	ST = Standard	30 = 3000K	80C = 80 CRI	12 = 120V	EL = Emergency Battery Pack*
	4 = 4ft	HG = High	35 = 3500K	90C = 90 CRI	27 = 277V	FZ1 = Fuse (120V)
	8 = 8ft	CL = Custom Lumens*	40 = 4000K		UN = Universal (120V-277V)	FZ2 = Fuse (277V)
	*Nominal size. Dimensional data on Page 2.	*Must be specified at time of quote and cannot exceed maximum output.	50 = 5000K			RW = Row Mount**
						TK = T-bar installation Kit
						MS = MIL-STD-461G
						*If stored, batteries should be fully recharged every six months and kept between 0°C-25°C to maintain optimal battery capacity. Not available in 2ft size.
						**Joiner hardware supplied.

SPECIFICATIONS

Housing: Die-formed aluminum housing, seam-welded and ground smooth.

LENS: Opal acrylic lens balances diffusion and light transmission.

LED: Available in four color temperatures 3000K, 3500K, 4000K, and 5000K with maximum 3-step MacAdam variation allowance. Other color temperatures available, consult factory. Minimum 50,000 hours with 70% lumen maintenance in a 25°C ambient temperature environment, compliant with IES LM-80 testing standards.

ELECTRICAL: 120-277Vac 50/60Hz, constant current driver (<20% THD, >0.9 PF). Standard 0-10V Dimming with 1-100% range.

FINISH: White glossy antimicrobial polyester powder coat finish following iron phosphate pre-treatment.

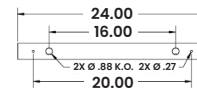
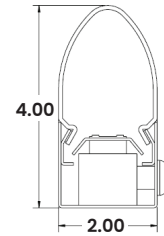
GASKET: Closed cell EPDM and closed cell silicone gaskets prevent air contaminants from entering the fixture.

INSTALLATION: Surface installation.

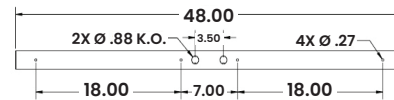
WARRANTY: Five (5) year warranty.

LABEL: Fixture is UL Listed for Wet Location. Certified IP53 per IEC60598 and NSF2 Splash/Non-Food Zone listed. Meets standards for ISO3 (FED-STD-209E/Class 1) Cleanrooms. Add in Optional MIL-STD-461G. This product is Made in America and complies with the Buy American Act (BAA) and the Build America, Buy American Act (BABAA).

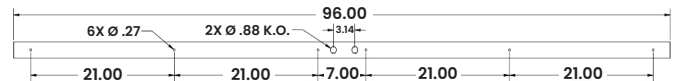
DIMENSIONAL DATA



AFO2



AFO4



AFO8

PERFORMANCE DATA

*Data is with 80 CRI chip. LEDs are frequently updated, therefore values may change without notice.

MODEL	OUTPUT	LUMENS DELIVERED	EFFICACY (lm/W)	INPUT POWER (W)	WEIGHT
AFO2	ST = Standard	1820	140	13	3 lbs.
	HG = High	3250	130	25	
AFO4	ST = Standard	3500	140	25	5 lbs.
	HG = High	6500	130	50	
AFO8	ST = Standard	7000	140	50	8 lbs.
	HG = High	13000	130	100	



New Star Lighting
2225 W Pershing Rd, Chicago, IL 60609
(773) 847-1400
www.newstarlighting.com

Specifications and dimensions are subject to change without notice. For additional options and dimensional details, please consult your New Star Lighting representative.

© 2025, New Star Lighting. All rights reserved. Unauthorized duplication or distribution is prohibited.