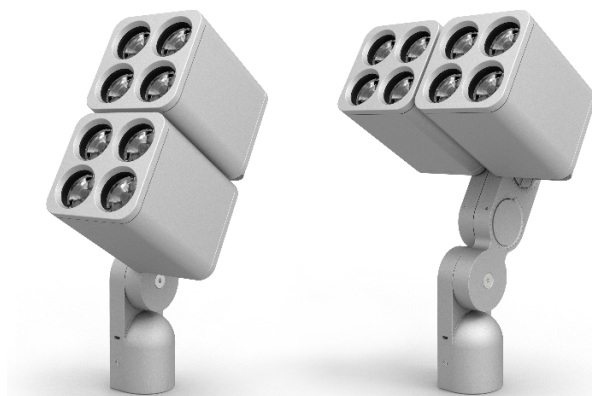


DATE	PROJECT	FIRM	TYPE
------	---------	------	------

RISE IS A SYSTEM OF BEAUTIFULLY DESIGNED OUTDOOR RATED LUMINAIRES THAT PROVIDE EFFICIENT AND POWERFUL LIGHT USING THE LATEST IN LED TECHNOLOGY. RISE F170 DUO IS A UNIQUE CONFIGURATION THAT PAIRS UP TWO RISE F170 SINGLES ALLOWING YOU TO DOUBLE YOUR LUMEN POWER, DELIVERING UP TO 8900 LUMENS. THIS UNIQUE FIXTURE CAN BE USED TO POWERFULLY LIGHT ONE OBJECT OR AIMED SEPARATELY, ALLOWING YOU TO ILLUMINATE MULTIPLE APPLICATIONS. THIS POWERFUL AND COMPACT LED LIGHT FIXTURE CAN BE USED IN SPOT, ACCENT, LANDSCAPE, ARCHITECTURAL, AND FLOODLIGHT APPLICATIONS. ITS UNIQUE MACRO™ LOCK FEATURE ALLOWS FOR FULL 180 DEGREE TILT AND 360 DEGREE PAN AIMABILITY OF EACH FIXTURE HEAD USING ONLY ONE TOOL.

FEATURES :

- POWERFUL CBCP
- EXTREMELY COMPACT
- POWERFUL OUTPUT UP TO 8900 LUMENS
- MACRO™ LOCK - 180° TILT AND 360° PAN
- 12 UNIQUE BEAM ANGLES
- MULTIVOLT (110V-277 V)
- 8 CCTS: 2200 K THROUGH 6500 K
- 80+ AND 90+ CRI
- DIMMABLE TO 5%
- IP66 RATED



FIXTURE MODEL	FIXTURE CONFIG.	POWER/ LUMEN OUTPUT*	CCT/ COLOR	CRI	BEAM ANGLE	FINISHES	ACCESSORIES	WIRING AND MOUNTING
F170	2V - 2 Heads, Vertical Orientation 2H - 2 Heads, Horizontal Orientation	LO - Low Output MO - Medium Output HO - High Output	27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K	8 - 80 9 - 90*	05 - Laser Spot (5°) 10 - Very Narrow Spot (10°) 15 - Narrow Spot (15°) 20 - Spot (20°) 40 - Flood (40°) 60 - Medium Flood (60°) 70 - Wide Flood (70°) 90 - Very Wide Flood (90°) E1 - Elliptical 1 (15°x60°) E2 - Elliptical 2 (30°x60°) E3 - Elliptical 3 (60°x15°) E4 - Elliptical 4 (60°x30°)	K - Black Z - Bronze S - Silver W - White C - Custom* *Provide RAL #	X - No Accessory H - Half Snoot F - Full Snoot	C - 10' Exterior Rated Cable, Bottom Exit, 2-3/8" Tenon Mount UL Listed E* - 10' Exterior Rated Cable, Bottom Exit, 2-3/8" Tenon Mount CE Listed

BUILD TO ORDER SHIPPING

*2200K and 2500K not available in 40°, 60°, 70° and 90°

22 - 2200K
25 - 2500K
50 - 5000K
65 - 6500K
RD - Red
GR - Green
BL - Blue
AM - Amber

X - For RD, GR, BL, AM

*90 CRI not available in 2200K, 2500K, 5000K, and 6500K

W - White
C - Custom*
*Provide RAL #

EXAMPLE: F080-1S-LO-22-8-05-S-X-A

PERFORMANCE	WATTS	POWER	LUMEN OUTPUT	EFFICACY	CBCP
			5° 40°	5° 40°	5° 40°
*SEE PHOTOMETARY CHART FOR LUMEN DATA	26	Low Output	2,515 3,266	97 126	144,975 5,722
	52	Medium Output	4,462 5,910	82 114	245,682 10,354
	78	High Output	5,756 8,700	74 112	331,782 15,241

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX
COLOR CONSISTENCY

80+, 90+
3-STEP MACADAM ELLIPSE

LUMEN DEPRECIATION

WATTS	L70 @ 25C	L70 @ 50C	L90 @ 25C	L90 @ 50C
LOW	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**
MEDIUM	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**	>60,500* >(109,000)**
HIGH	>60,500* >(181,000)**	>36,300*	>60,500* >(69,800)**	>33,200*

* ENERGY STAR REPORTED TESTING HOURS TO DATE. CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR
** ESTIMATED HOURS

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/rise for the most updated information.

ECOSENSE®

ECOSENSE LIGHTING INC.
837 NORTH SPRING STREET
SUITE 103
LOS ANGELES, CA 90012

SUPPORT@ECOSENSELIGHTING.COM

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. VISIT [ECOSENSELIGHTING.COM](https://ecosenselighting.com) FOR THE MOST CURRENT SPECIFICATIONS. FOR A LIST OF PATENTS VISIT [ECOSENSELIGHTING.COM/IP-PORTFOLIO/](https://ecosenselighting.com/ip-portfolio/)
©2019 ECOSENSE LIGHTING INC. ALL RIGHTS RESERVED. ECOSENSE, THE ECOSENSE LOGO, TRUV, TROV AND ECOSPEC ARE REGISTERED TRADEMARKS OF ECOSENSE LIGHTING INC.
RISE™, SLIM COVE™, FREEDOM TO CREATE™, MACRO™, FLIP-TO-FLAT™ ARE TRADEMARKS OF ECOSENSE LIGHTING INC.

DATE	PROJECT	FIRM	TYPE
ELECTRICAL	WATTAGE	LOW OUTPUT = 26 W; MEDIUM OUTPUT = 52 W; HIGH OUTPUT = 78 W	
	POWER FACTOR	>0.9 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)	
	THD	<0.2 for 120 V (HO, MO, LO), 230 V (HO, MO), 277 V (HO)	
	OPERATING VOLTAGE	MULTIVOLT: 110 V-277 VAC, 50/60 Hz	
	DRIVER	INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS	
	STARTUP TEMPERATURE	-40°F TO 122°F (-40°C TO 50°C)	
	OPERATING TEMPERATURE	-40°F TO 122°F (-40°C TO 50°C)	
	STORAGE TEMPERATURE	-40°F TO 176°F (-40°C TO 80°C)	
	SURGE PROTECTION	SURGE PROTECTION DEVICES WITH A MINIMUM DISCHARGE CURRENT RATING OF 20 kA, THAT MEET UL1449, CSA C22.2 No. 269.1, AND IEC TR 62066, SHOULD BE INSTALLED ON EACH BRANCH CIRCUIT.	
CONTROL	DIMMING	110-277VAC, ELV TYPE, REVERSE PHASE, TRAILING EDGE	
PHYSICAL	DIMENSIONS	W 10.57" x H 16.04" x L 10.17" ; (268.5 mm x 407.5 mm x 258.2 mm)	
	HOUSING/LENS	EXTRUDED ALUMINUM; UV STABILIZED POLYCARBONATE; STAINLESS STEEL FASTENERS	
	WEIGHT	17.2 LBS / 7.8 KG	
	ENVIRONMENT	OUTDOOR • UL CERTIFIED FOR WET LOCATIONS IP66 IMPACT RATED TO IK10 MEETS 3G ANSI C136.31 VIBRATION STANDARD FOR BRIDGE APPLICATIONS WHEN USED WITH SURFACE MOUNT TENON ACCESSORY. (SOLD SEPARATELY)	
	MOUNTING OPTIONS	C - EXTERNAL CABLE BOTTOM EXIT; 2-3/8" TENON MOUNT; UL LISTED E - EXTERNAL CABLE BOTTOM EXIT; 2-3/8" TENON MOUNT; CE LISTED	
	WIRING	LENGTH OF EXTERIOR CABLE 10' (3.05 m)	
	TOOLS	SCREWS TO REPLACE THE LENS AND BEZEL: HEX 3 mm; 1.25 ± 0.25 Nm SCREWS FOR MACRO LOCK™ PAN AND TILT: HEX 5 mm; 27.0 ± 2.0 Nm SCREW FOR MAIN TILT ARM: HEX 6 mm; 27.0 ± 2.0 Nm SET SCREWS FOR TENON MOUNT: HEX 4 mm; 9.5 ± 0.5 Nm	
	WIND LOAD (EPA)	EFFECTIVE PROJECTED AREA 2 H=0.74 ft² ; 2V=0.93 ft²	
	CORROSION RESISTANT	RISE HAS A HIGH-PERFORMING, CORROSION-RESISTANT FINISH THAT USES HIGH DURABILITY TRIGLYCIDYL ISOCYANURATE (TGIC) POWDER COATINGS SPECIFICALLY DESIGNED FOR NATATORIUMS AND EXTERIOR WEATHER EXPOSURE. THIS FINISH HAS BEEN TESTED AND APPROVED TO MARINE GRADE CORROSION RESISTANCE STANDARD IN UL1598A, ASTM B117 SALT FOG TEST FOR 200 HOURS.	
FIXTURE RATING & CERTIFICATIONS	CE, UL CERTIFIED RoHS COMPLIANT, IK10	    	
LIMITED WARRANTY	5 YEARS		

0-10V CONTROL OPTIONS

100-120 VAC / 277 VAC Linear Dimming Control Module 0-10 V - Plenum Rated LDCM-PL-120-277-010V-GR

All products come standard with ELV dimming capabilities. 0-10 V Control options required for operation at 0-10 V.

OPTIONAL ACCESSORIES**Snoots**

Half Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) F170-H-(K,Z,S,W,C)

Full Snoot, Color Finish (K=Black, Z=Bronze, S=Silver, W=White, C=Custom) F170-F-(K,Z,S,W,C)

Interchangeable Lens

If inner optic = 5°,

Desired angle	Order the following spread lens
5 Degree	F170-LENS-05
10 Degree	F170-LENS-10
15 Degree	F170-LENS-15
20 Degree	F170-LENS-20
40 Degree	F170-LENS-40
60 Degree	F170-LENS-60
80 Degree	F170-LENS-80
15x60 or 60x15 Degree	F170-LENS-E1E3
30x60 or 60x30 Degree	F170-LENS-E2E4
Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 80, 15X60 or 60X15, 30X60 or 60X30)	F170-LENS-FULLSET

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/raise for the most updated information.

DATE	PROJECT	FIRM	TYPE
------	---------	------	------

If inner optic = 40°,

Desired angle	Order the following spread lens
5 Degree	NOT SUPPORTED
10 Degree	NOT SUPPORTED
15 Degree	NOT SUPPORTED
20 Degree	NOT SUPPORTED
40 Degree	F170-LENS-10
60 Degree	F170-LENS-40
70 Degree	F170-LENS-60
90 Degree	F170-LENS-80
15x60 or 60x15 Degree	NOT SUPPORTED
30x60 or 60x30 Degree	NOT SUPPORTED
Full Set of Beam Angle Lens Degree (5, 10, 15, 20, 40, 60, 80, 15X60 or 60X15, 30X60 or 60X30)	F170-LENS-FULLSET

Honeycomb Louver

Honeycomb Louver F170..... F170-LV-HComb

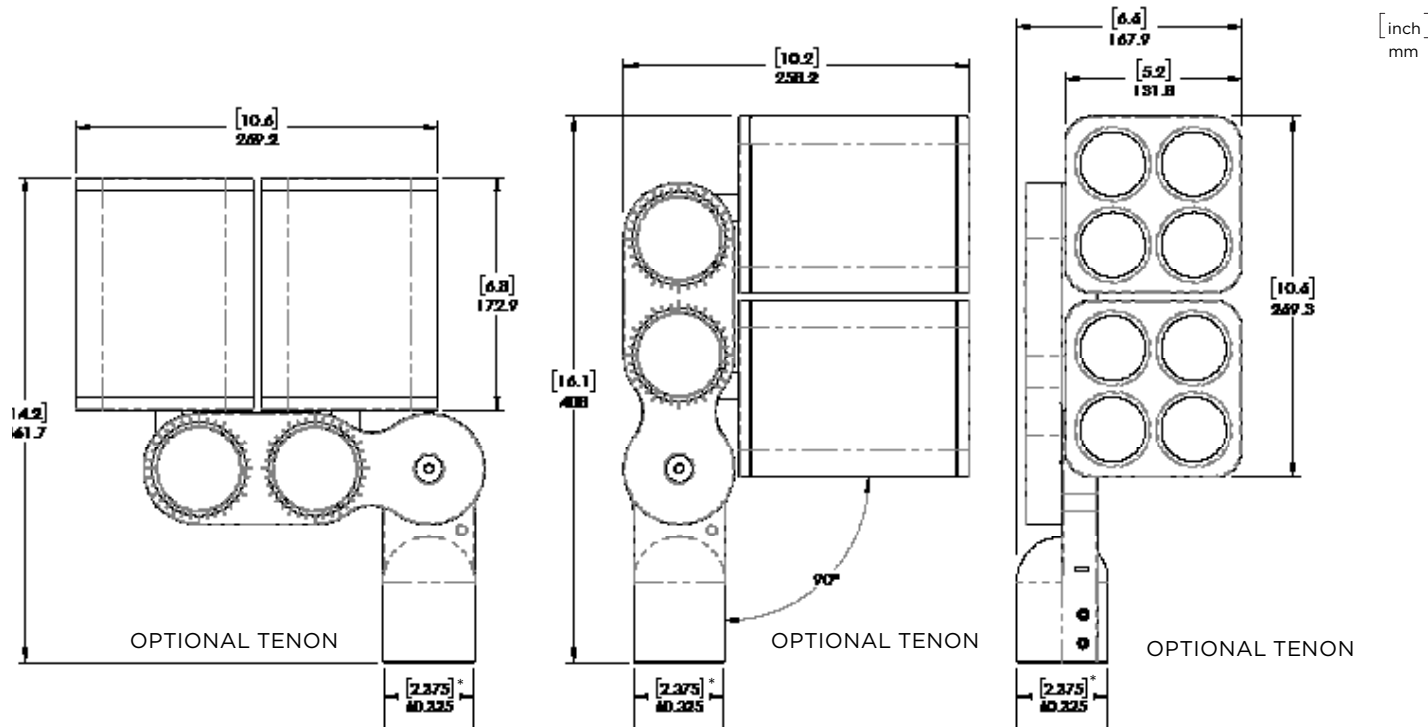
Color Filters

Red	F170-FILTER-RED
Blue	F170-FILTER-BLUE
Green	F170-FILTER-GREEN
Amber	F170-FILTER-AMBER

Surface Mount Tenon

F170 and F380 Multi-Up Surface Mount Tenon (K=Black, Z-Bronze, S-Silver, W-White, C=Custom) RISE-MULTI-SMP-(K,Z,S,W,C)
Surface Mount Tenon is required for F170 Duo 3G Bridge installations

DIMENSIONS - F170 2V (VERTICAL)

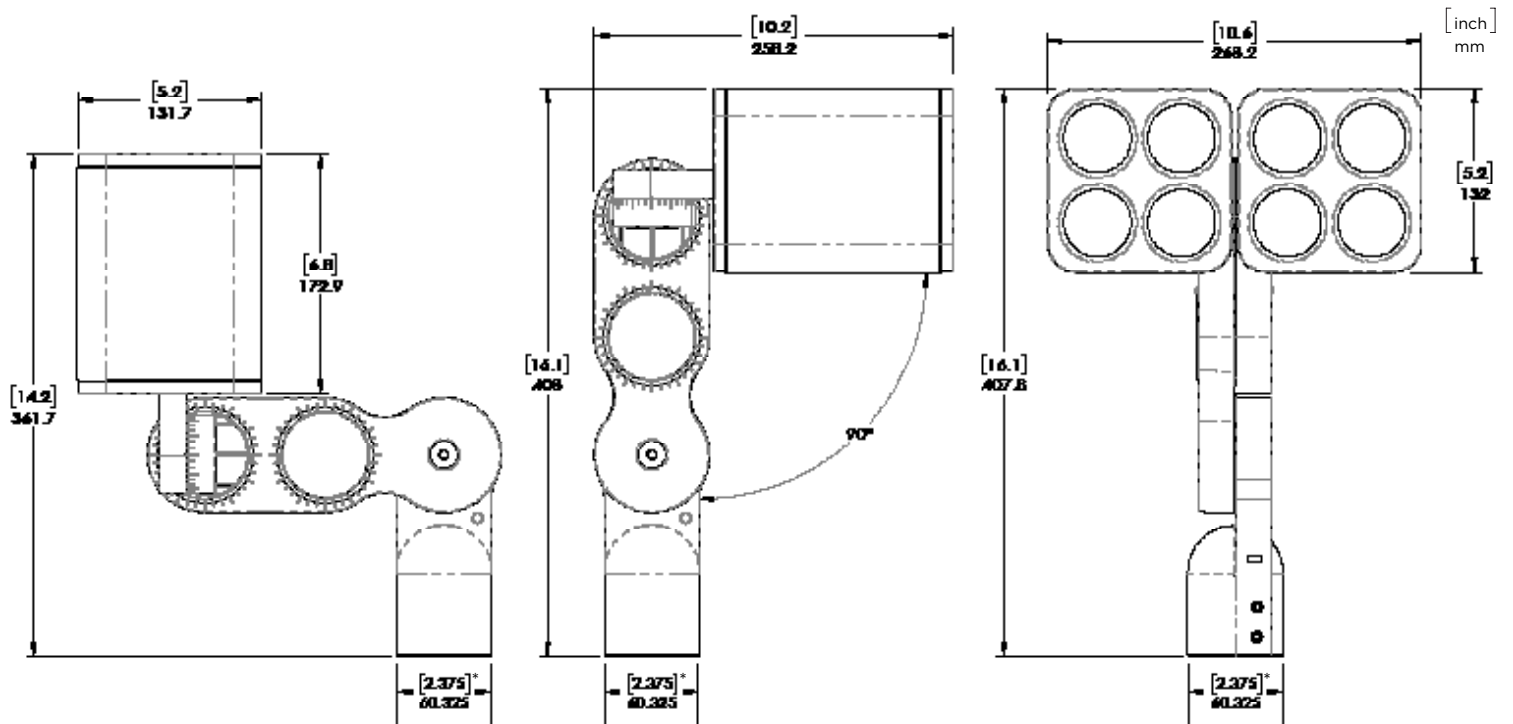


*FITS STANDARD 2" (50.8 mm) TENON WITH A 2 3/8" (60.325 mm) OUTER DIAMETER

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/raise for the most updated information.

DATE	PROJECT	FIRM	TYPE
------	---------	------	------

DIMENSIONS - F170 2H (HORIZONTAL)



*FITS STANDARD 2" (50.8 mm) TENON WITH A 2 3/8" (60.325 mm) OUTER DIAMETER

NOTE: Information on this Spec Sheet is subject to change, please visit ecosenselighting.com/downloads/rise for the most updated information.