

## Applications:

- Marine and watertight requirements
- Dusttight requirements
- Wastewater treatment plants
- Pulp and paper production<sup>A</sup>
- Salt and potash mines<sup>A</sup>
- Industrial wash pits
- Corrosive environments<sup>A</sup>
- Pharmaceutical and additives formulation and processing

## Features:

- Fluorescent system provides energy savings up to 50% when compared to HID
- Multi-voltage electronic ballast resistant to brownouts or voltage and frequency fluctuations
- Optional 100,000 hour long life lamps reduce relamp costs by as much as 70%<sup>A</sup>
- Flat or drop style lens versions with wide beam lumen dispersions of 140 to over 180°
- Lens frame hinged on side for easy lamp replacement
- Adjustable mounting brackets allow 110° range of mounting positions
- Shoc-Loc bi-pin spring loaded lamp holders for T5, T8 and T12 lamp types provide superior resistance to shock and vibration
- Field replaceable lens frame and latches
- Standard wall/ceiling mount style can be rotated on longitudinal axis for optimum light positioning
- Neoprene gasket resists petroleum
- Optional, self-contained emergency battery back-up ballasts
- Optional long life T5 lamps available upon request (contact factory)

## Certifications and compliances:

- UL924 – Emergency Lighting Equipment
- UL1598 – Luminaires
- EN 60529 – Ingress Protection (ARA only)
- CSA C22.2 250 04
- CSA C22.2 141
- Type 4 (ARA only); Type 4X (ARS only)
- IP66
- ABS

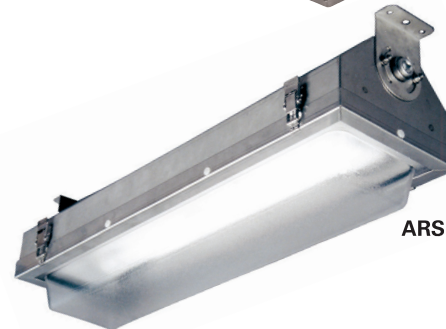
## Standard materials and finishes:

- Housing – Type 5052H32 aluminum (ARA only); Type 304 stainless steel (ARS only)
- Lens – polycarbonate (standard); tempered glass (optional); DR acrylic drop lens (optional)
- Reflector – Type 5052H32 aluminum with an electrostatically applied white polyester powder coat finish; minimum 90% reflectance
- Gasket – one-piece neoprene
- Latches – stainless steel
- Lens frame – Type 304 stainless steel

<sup>A</sup>Applicable for stainless steel models only.

<sup>B</sup>Applicable for aluminum models only.

<sup>C</sup>Contact factory for optional higher ambient models.



## Technical specifications:

- Entries – 3/4" NPT through feed outlets, one plugged
- Lamp holder – spring loaded on one end for linear lamp types
- Latches – positive locking, spring loaded
- Ballast – 120-277V, 50/60 Hz electronic; 347V and 480V (optional)

Watts	Ballast / socket type	ANSI lamp code	Starting temperature	Max. ambient °C <sup>C</sup>	Supply wire °C
17	T8 bi-pin G13	F17-T8	0°F (-18°C)	55	90
32	T8 bi-pin G13	F32-T8	-20°F (-29°C)	55	90
40	4-pin 2G11	FT40-CF	0°F (-18°C)	55 (40 for ARS)	90
24/54	T5HO mini bi-pin G5	F24/F54-T5HO	-20°F (-29°C)	55	90
14/28	T5 mini bi-pin G5	F14/F28-T5	0°F (-18°C)	55	90
44	T8HO RDC R17d	F48-T8HO	-20°F (-29°C)	40	90
35/60	T12HO RDC R17d	F24/F48-T12HO	-20°F (-29°C)	40	90
80 <sup>B</sup>	4-pin 2G11	FT80-CF	0°F (-18°C)	40	90

- Emergency battery back-up ballast – optional, self-contained 90 minute minimum for all lamp types; 120 minute minimum for F32T8 one lamp; starting temperature 32°F/0°C

## Mounting option:

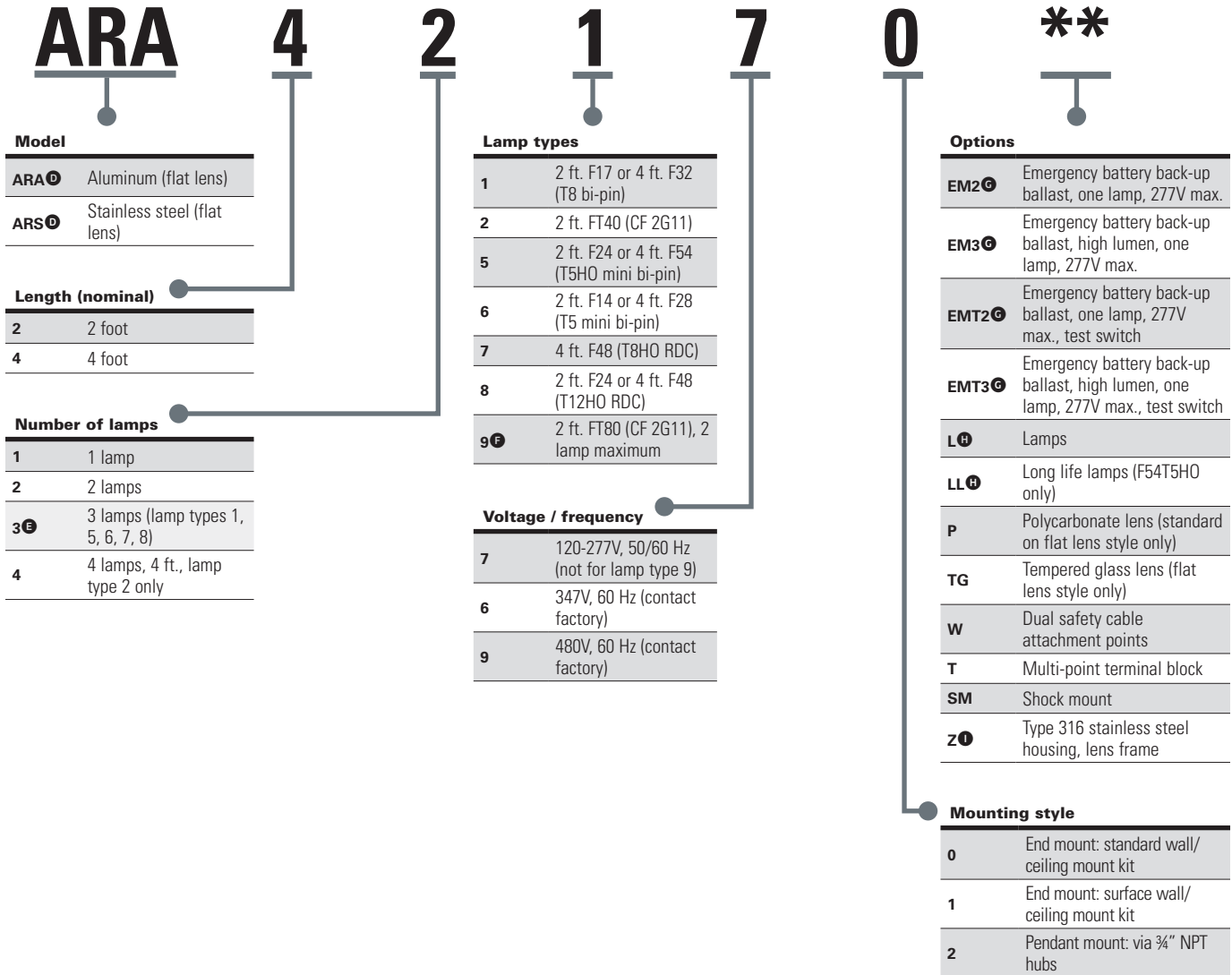
- Adjustable surface mount brackets

## Photometrics:

- Complete photometrics can be found at [www.crouse-hinds.com/photometrics](http://www.crouse-hinds.com/photometrics)

## Ordering information:

Part number example  
**ARA42170\*\***



<sup>D</sup>Add 'D' to catalog number for drop lens.

<sup>E</sup>Lamp types 7 and 8 applicable to aluminum models only.

<sup>F</sup>Applicable for aluminum models only.

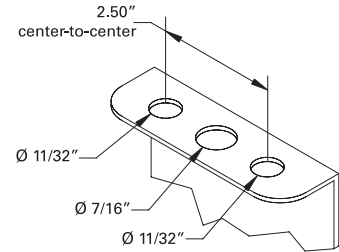
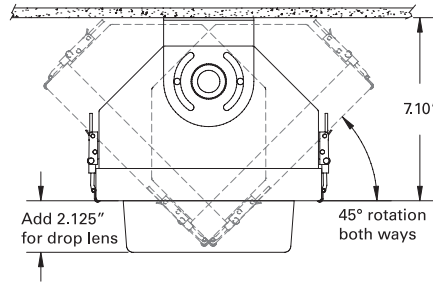
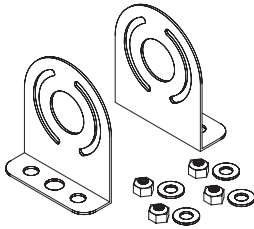
<sup>G</sup>For T5 and T5HO, EM ballast is fixed voltage, 120 or 277V, 50/60 Hz.

<sup>H</sup>Lamps are not included unless option 'L' or 'LL' is specified. Only available with ARS model.

<sup>I</sup>Applicable for stainless steel models only.

## Mounting options:

### Standard wall/ceiling mounting kit

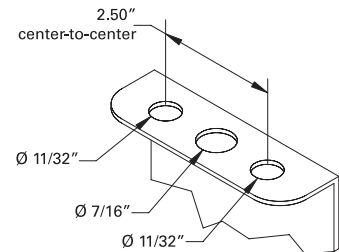
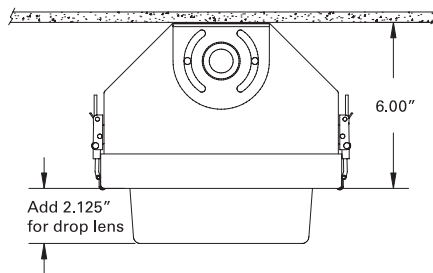
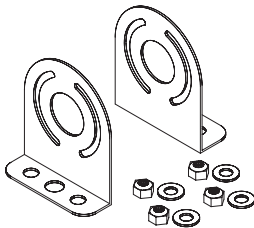


### FX7027A (aluminum)/FX7027S (stainless steel)

Standard wall/ceiling mounting kit includes:

- (2) aluminum brackets and mounting hardware
- Adjustable swivel mount

### Surface wall/ceiling mounting kit

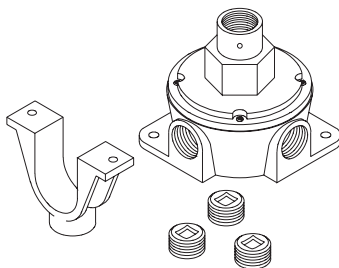


### FX7022A (aluminum)/FX7022S (stainless steel)

Surface wall/ceiling mounting kit includes:

- (2) aluminum brackets and mounting hardware
- Flush mount

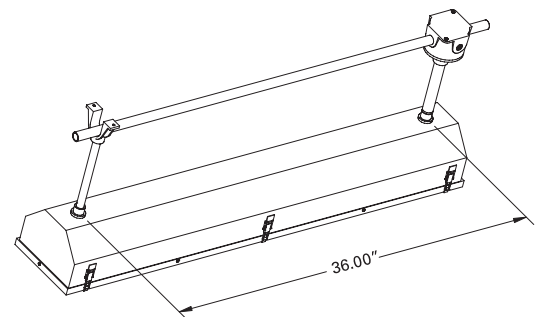
### Pendant mount kit



### HP1095MTK

Pendant mount kit includes:

- (1) saddle strap
- (1) universal junction box and cover (3/4 inch NPT hubs)



## Mounting options (continued):

### Beam clamp kit

#### FX7028

Beam clamp kit includes:

- (2) beam clamps
- (1) safety cable
- (1) cable gland



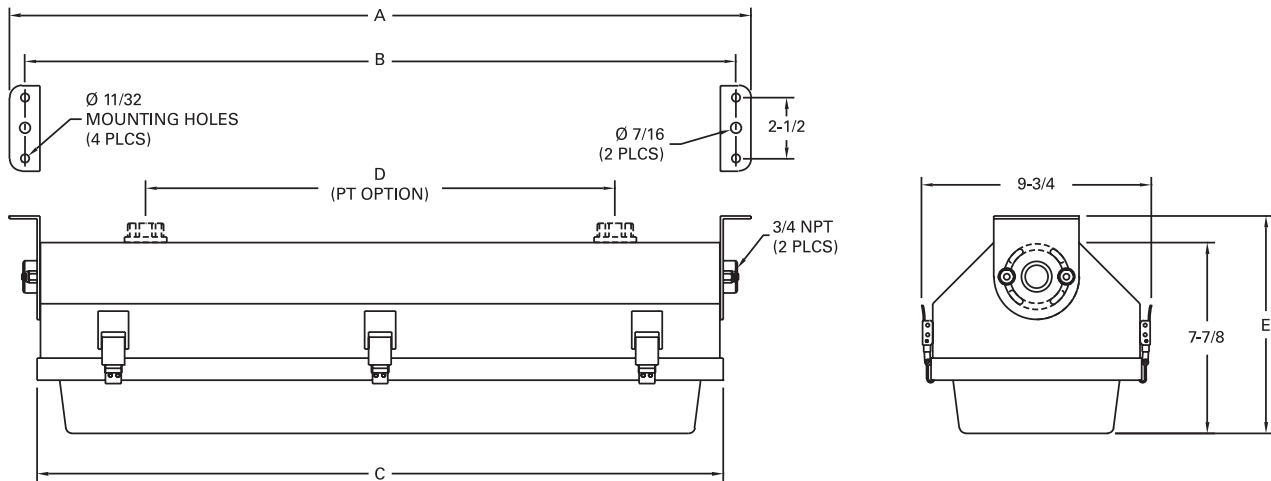
#### BC2K

(2) beam clamps  
(for use with surface mount)

#### SC30H

48" stainless steel safety  
cable with snap hook

## Dimensions:



Dimensions in inches / centimeters

Carton W x D x L (in.)

Nominal weight

Nominal length	Dimensions in inches / centimeters						Carton W x D x L (in.)		Nominal weight	
	A	B	C	D	E1	E2	E1	E2	ARA series lbs. (kg.)	ARS series lbs. (kg.)
2 foot	31.50 (80.01)	30.25 (76.84)	29.25 (74.30)	25.88 (65.72)	9.00 (22.86)	6.00 (15.24)	10 x 6 x 31.75	10 x 8 x 32	15.0 (6.8)	21.0 (9.5)
4 foot	55.50 (140.97)	54.25 (137.80)	53.25 (135.26)	36.00 (91.44)	9.00 (22.86)	6.00 (15.24)	10 x 6 x 56.63	10 x 8 x 56	23.0 (10.4)	34.0 (15.4)

Note: Dimension E1 is for drop style lens. Dimension E2 is for flat style lens. Add 1.00 lb. for 3- or 4-lamp.