

## HFFW... Series High-Frequency Fluorescent Lighting

*Tubular fluorescent lights, 8" to 48" tube lengths, ac and dc powered*



**Built-in ballast models shown**

### Features

- Electronic ballast increases lamp frequency and eliminates strobe effect.
- Models available with built-in or external ballast. External ballast models allow for shorter, more compact light housing.
- Ideal for illuminating hard-to-reach areas
- Parabolic louver extends the full length of the light opening; reduces glare.
- All models include built-in mounting brackets and a 2.5 m (8') integral cable
- Acrylic tube and strain-relief cable gland for use in wet environments
- IEC IP67 enclosure rating, exceeds NEMA 4X

### Models

Models	Bulb Length	Ballast Type	Connection	Supply Voltage	Bulb Wattage	
HFFW8DC	8"	Built-In Electronic Ballast	3-conductor, 2.5 m (8') integral cable, unterminated	24V dc	18 W	
HFFW12DC	12"				24 W	
HFFW14DC	14"				36 W	
HFFW8AC110	8"			3-conductor, 2.5 m (8') integral cable with male plug	100–120V ac	18 W
HFFW15AC110	15"					120V ac
HFFW12AC	12"				120–277V ac	24 W
HFFW24AC	24"					17 W
HFFW36AC	36"					25 W
HFFW48AC	48"					32 W
HFFW8AC230	8"				100–230V ac	18 W
HFFW15AC230	15"	230V ac	36 W			
HFFW8ACR	8"	External Ballast	3-conductor, 2.5 m (8') integral cable, unterminated (light to ballast) plus 3-conductor, 2.5 m (8') cable with male 3-prong plug (ballast to power source) See hookup, page 2.		120–277V ac	18 W
HFFW12ACR	12"					24 W
HFFW15ACR	15"			36 W		
HFFW24ACR	24"			17 W		
HFFW36ACR	36"			25 W		
HFFW48ACR	48"			32 W		

# HFFW... Series — High-Frequency Fluorescent Tubular Lighting

## Dimensions

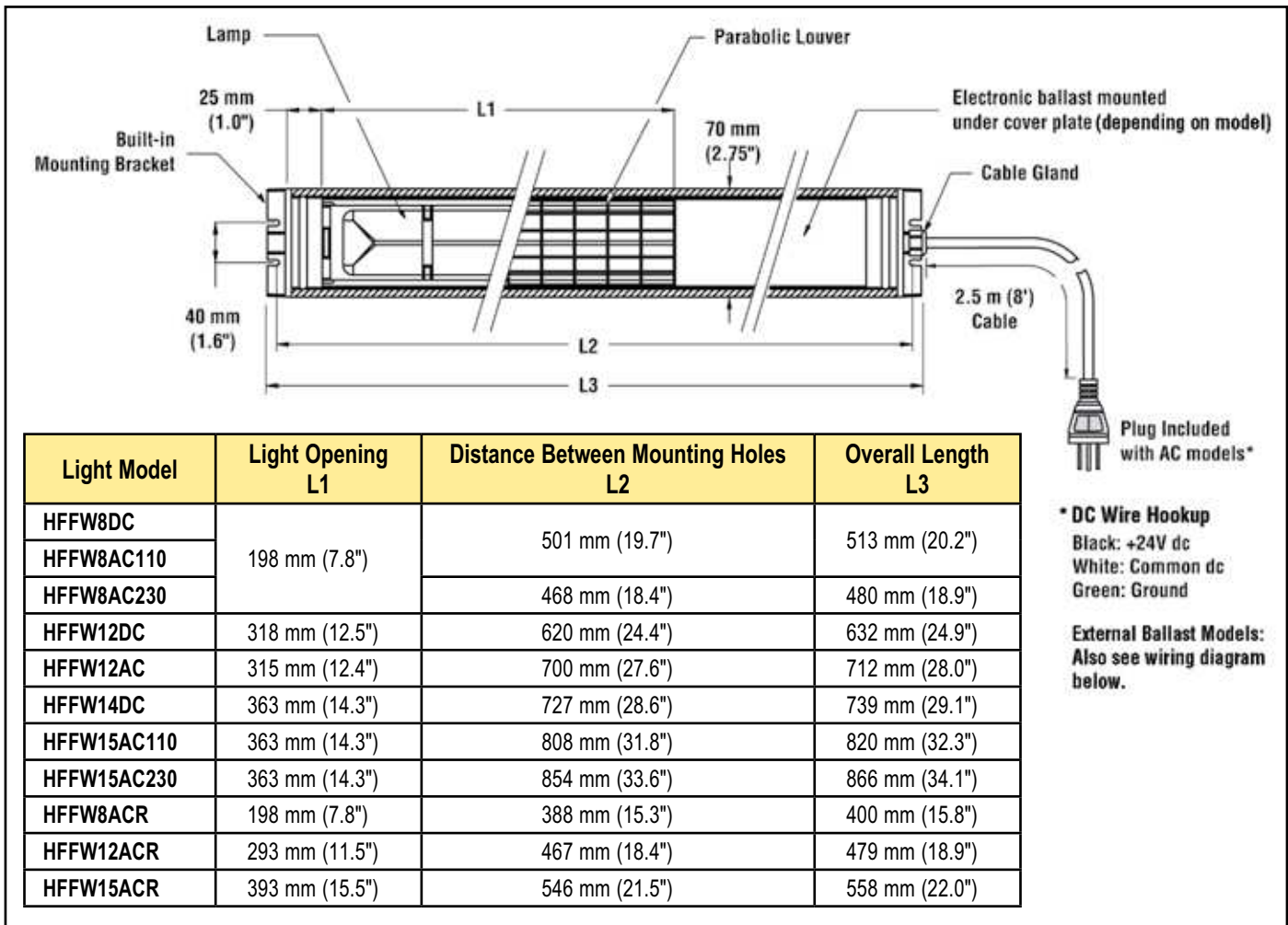
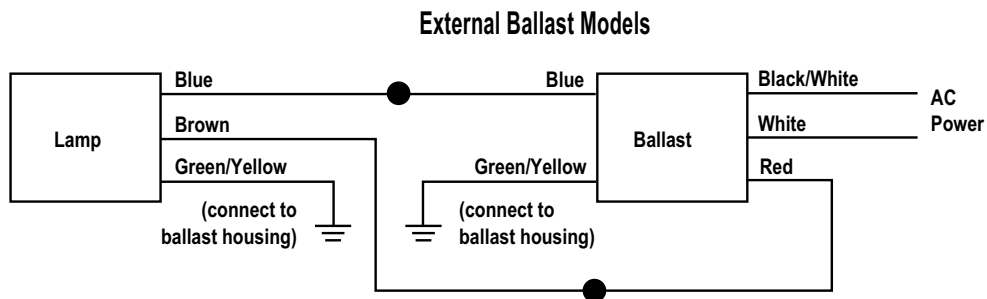


Figure 1. Dimensions, models with lamps up to 15" long

## Hookup



# HFFW... Series — High-Frequency Fluorescent Tubular Lighting

## Dimensions, continued

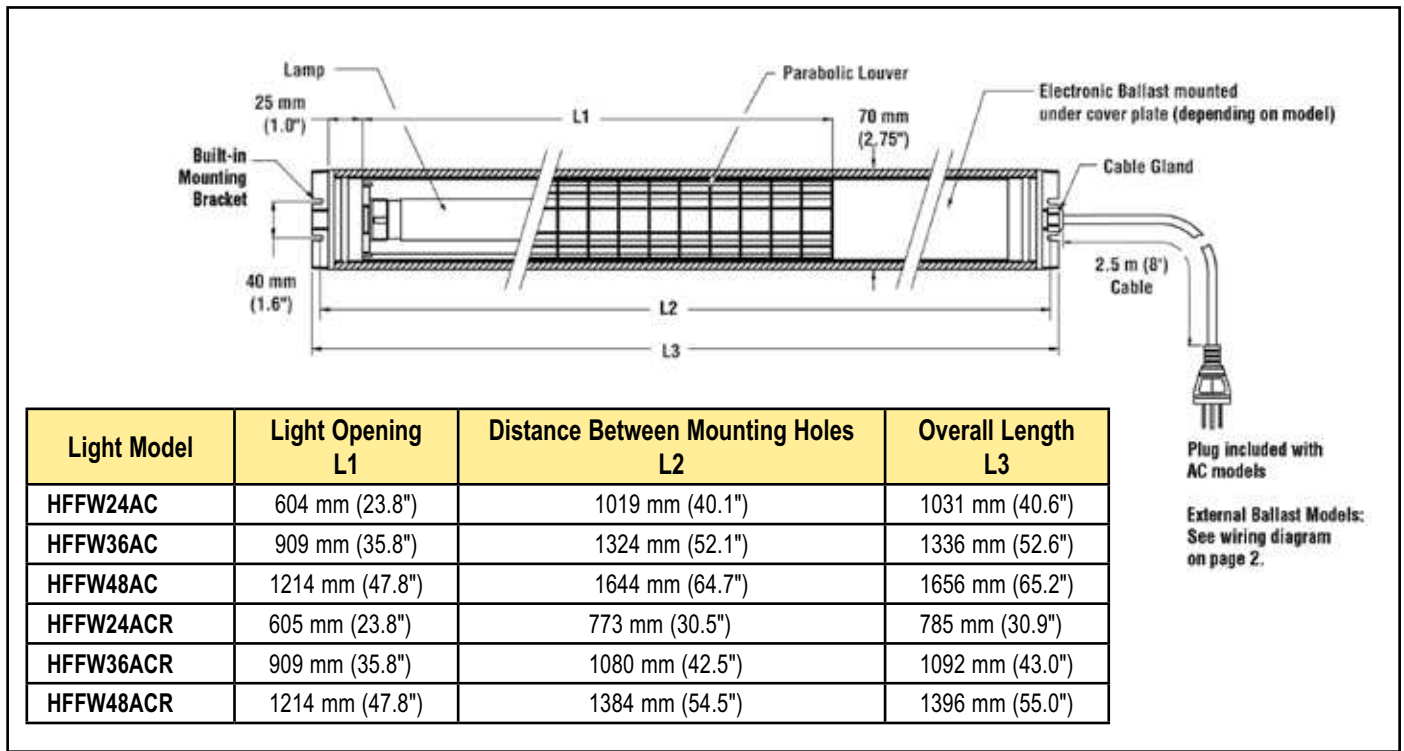
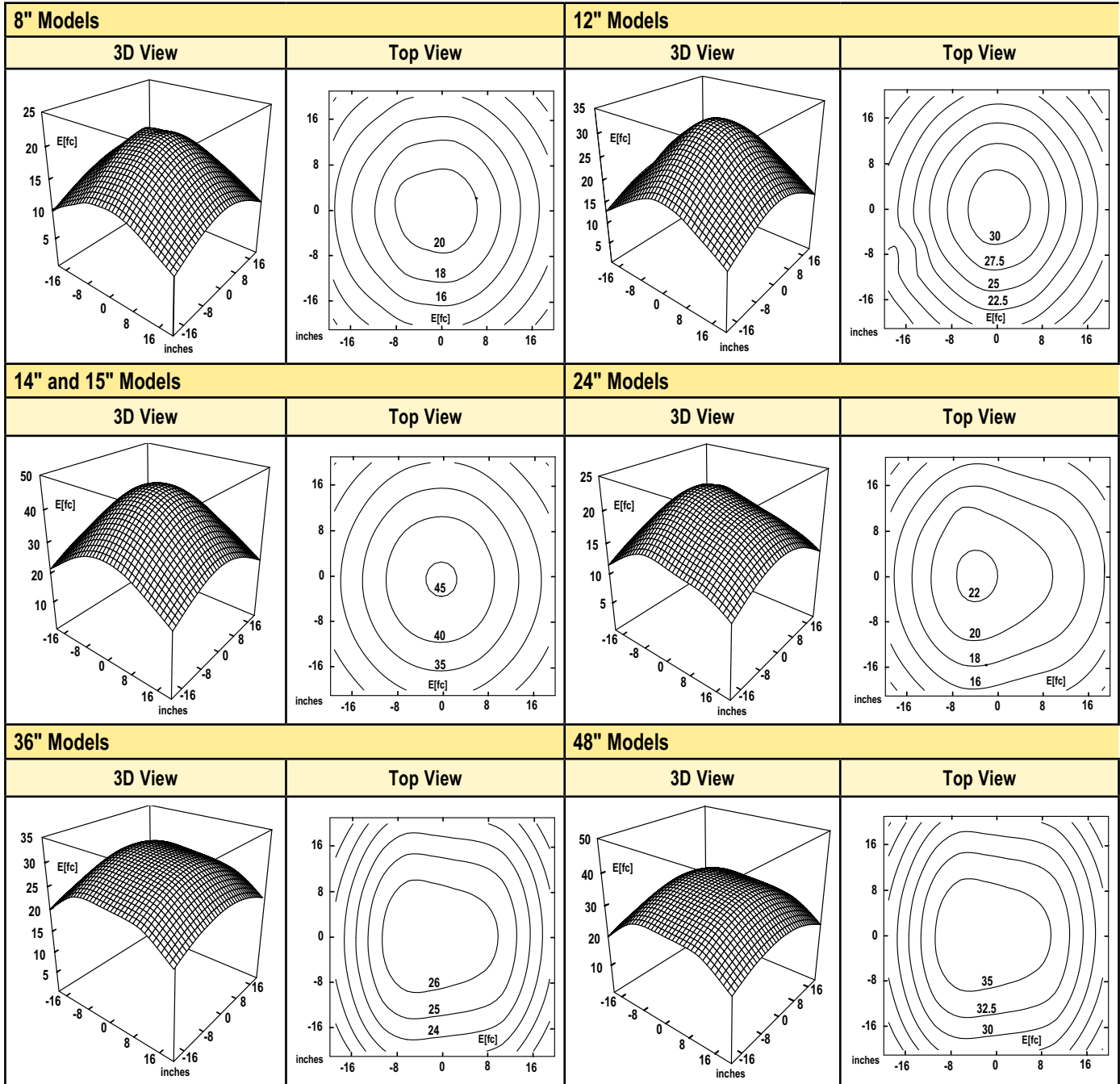


Figure 2. Dimensions, models with lamps 24" and longer

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## Beam Patterns



Mounting height for all views: 20"

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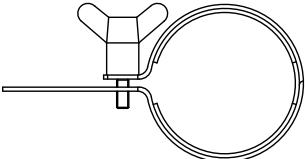
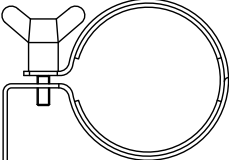
## Replacement Parts

Light Model	Replacement Bulb		Replacement Housing	
	Model	Length	Model	Length
HFFW8DC	HFFLW8	8"	HFFTA18.5	18.5"
HFFW8AC110			HFFTA17.2	17.2"
HFFW8AC230			HFFTA14.2	14.2"
HFFW8ACR				
HFFW12DC	HFFLW12	12"	HFFTA23.3	23.3"
HFFW12AC			HFFTA26.4	26.4"
HFFW12ACR			HFFTA17.3	17.3"
HFFW14DC	HFFLW15	15"	HFFTA27.5	27.5"
HFFW15AC110			HFFTA30.7	30.7"
HFFW15AC230			HFFTA32.5	32.5"
HFFW15ACR			HFFTA20.4	20.4"
HFFW24AC	HFFLW24	24"	HFFTA38.9	38.9"
HFFW24ACR			HFFTA29.3	29.3"
HFFW36AC	HFFLW36	36"	HFFTA50.9	50.9"
HFFW36ACR			HFFTA41.4	41.4"
HFFW48AC	HFFLW48	48"	HFFTA63	63.0"
HFFW48ACR			HFFTA53.4	53.4"

## Accessory Mounting Brackets

All HFFW... Series Lights have built-in end-cap mounting brackets. If they are not used, these accessory mounting brackets are required for mounting the lights.

- Heavy-duty, bright zinc-coated steel construction
- Two brackets required per light

Model	Description	
SMBWFTLS	Straight	
SMBWFTLR	Right-angle	

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**WARRANTY:** Banner Engineering Corp. warrants its products to be free from defects for one year. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture found to be defective at the time it is returned to the factory during the warranty period. This warranty does not cover damage or liability for the improper application of Banner products. This warranty is in lieu of any other warranty either expressed or implied.