

CATALOG #: _____

TYPE: _____

PROJECT: _____



NEW CONSTRUCTION AND REMODEL

FEATURES

- Easily change the color temperature and lumen output on-site with built in switches, providing ultimate flexibility
- Simple and quick installation in new construction or remodel applications
- Rated for direct contact with insulation
- Durable spring clips secure fixture
- Maximize energy savings with efficacies up to 117 lm/W
- Low UGR meets LEED and WELL requirements
- Available on QuickShip at hew.com/6FDR_quickship.pdf
- Made Right Here® in the USA

SPECIFICATIONS

- **HEAT SINK** – Aluminum.
- **TRIM** – Low-iridescent anodized aluminum with 1/2" standard flange and diffuse polycarbonate lens at top of open reflector. Semi-specular finish standard.
- **ELECTRICAL** – High-quality mid-power LED boards. L70 >70,000 hours. 25°C max ambient operating temperature. 50/60 Hz constant current driver.
- **MOUNTING** – Compatible with 6"- 6-3/8" ceiling cutout. Heavy-duty mounting springs accommodate ceiling thicknesses 1/2"- 2-1/2". Provided with 15" plenum-rated cable. New construction mounting pan accessory available. Access above ceiling required to change color and lumens after installation. For remodel installations, the minimum plenum height from the top of 5/8" sheetrock is 7-3/8". Weight 2.25 lbs. For retrofit installations, Williams recommends installing a trial fixture to confirm fitment on-site prior to ordering full project quantities.
- **LISTINGS** –
 - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for dry and damp locations.
 - IC-rated for direct contact with insulation.
 - Build America, Buy America (BABA) and Buy American Act (BAA) compliant. Request certification at hew.com/buy-american
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty

ORDERING EXAMPLE: 6FDR - LS/8CS - CS - OPTIONS - DIM - UNV

SERIES	LUMENS ^[1]	CRI	CCT	REFLECTOR FINISH
6FDR	LS Selectable lumens 1,100/1,600/2,000	8 80	CS Selectable CCT 3,000K/3,500K/4,000K	CS Clear semi-specular anodize ^[2] WH White texture powder coat ^[3]

OPTIONS ^[4]	DRIVER	VOLTAGE
EM/10W	10-watt emergency battery	DIM Dim-to-off driver ^[6] UNV 120-277V
EM/10W/RTS	10-watt emergency battery with regressed test switch	
EM/10W KIT-DC-QS	10-watt emergency battery kit, dual conduit ^[5]	

MOUNTING HARDWARE ACCESSORIES (ORDERED SEPARATELY) ^[7]

6FDR-N-F1 New construction mounting pan with integral 2-position fixed bracket, universal bar hangers.

NOTES

- ¹ Lumens based on CS Reflector Finish, 3500K CCT. Actual performance may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- ² 68° beam angle.
- ³ 66° beam angle.
- ⁴ All EM batteries are CEC compliant.
- ⁵ Ships separately, field installed. CEC compliant.
- ⁶ Prewired for 0-10V low-voltage applications. Dimming down to 10%, dim-to-off below 0.5V
- ⁷ See page 3 for MOUNTING DETAILS.



FIXTURE PERFORMANCE DATA

SEMI-SPECULAR REFLECTOR FINISH

WATTAGE SETTING	3000K			3500K			4000K		
	LUMEN OUTPUT	WATTAGE	EFFICACY (LM/W)	LUMEN OUTPUT	WATTAGE	EFFICACY (LM/W)	LUMEN OUTPUT	WATTAGE	EFFICACY (LM/W)
Low	1020	9.4	109	1055	9.1	116	1033	9.2	112
Medium	1487	14.0	106	1569	13.4	117	1523	13.7	111
High	1888	18.5	102	2030	17.6	115	1951	18.1	108

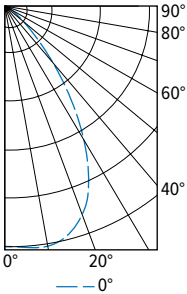
WHITE REFLECTOR FINISH

WATTAGE SETTING	3000K			3500K			4000K		
	LUMEN OUTPUT	WATTAGE	EFFICACY (LM/W)	LUMEN OUTPUT	WATTAGE	EFFICACY (LM/W)	LUMEN OUTPUT	WATTAGE	EFFICACY (LM/W)
Low	846	9.4	90	875	9.1	96	857	9.2	93
Medium	1233	14	88	1303	13.4	97	1263	13.7	92
High	1565	18.5	85	1684	17.6	96	1618	18.1	89

Actual performance may vary +/-5%.

PHOTOMETRY

6FDR-LS/8CS-CS-DIM-UNV Total Luminaire Output: 2030 lumens; 17.6 Watts (High Wattage Setting) | Efficacy: 115 lm/W | 80 CRI; 3500K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1679	
	5	1689	162
	15	1661	466
	25	1379	624
	35	789	494
	45	298	236
	55	34	45
	65	3	3
	75	1	1
	85	0	0
	90	0	

	ZONE	LUMENS	% FIXTURE
LUMEN SUMMARY	0 - 30	1252	62
	0 - 40	1745	86
	0 - 60	2026	100
	0 - 90	2030	100
	0 - 180	2030	100

FIXTURE DETAILS

FIELDSELECT SWITCHES

Located on remote driver box.



REFLECTOR FINISH

WH



CS

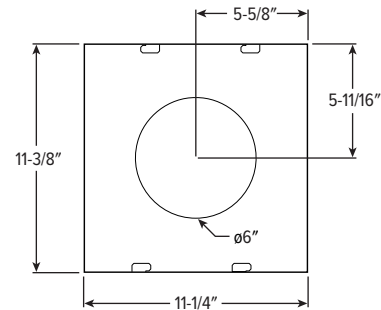
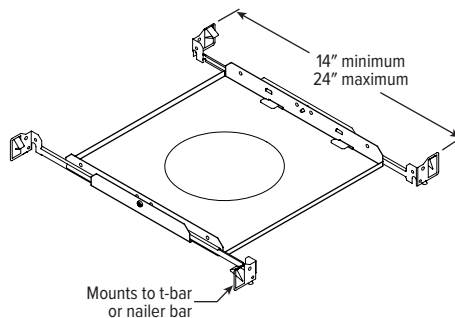


SEE NEXT PAGE FOR MOUNTING DETAILS

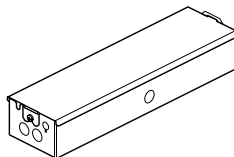
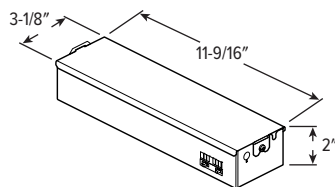


MOUNTING DETAILS

NEW CONSTRUCTION PAN ACCESSORY



DRIVER BOX



EMERGENCY BATTERY DETAILS

TEST SWITCH DETAILS



Regressed
Ø1-3/4"



Standard
2-3/4" x 4-1/2"

MOUNTING DETAILS

Max remote distance is 50',
connection by others.

