

## Product Bulletin

### Fire-Rated Baffle Slim Downlight with Selectable CCT



# Fire-Rated Baffle Slim Downlight with Selectable CCT



## Fire-Rated, Direct Mount, Downlighting Solution

A versatile downlighting solution that offers installation flexibility, provides leading performance, and can be used in construction requiring up to a 2-hour fire rating.

The direct mount design eliminates the need for a housing or junction box and is suitable for remodel or new construction applications (IC or Non-IC). An optional mounting plate is available to further simplify installation. The slim design only requires a 2-inch plenum height for installation. The regressed lens and matte white baffle provide less glare and improves visual comfort. Field adjustable downlights allow you to change color temperature with the flick of a switch.

- 2-Hour Fire-Rated, cETLus Listed in accordance with UL263, CAN/UL S101 and ASTM E119
- Can be used to comply with Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements
- Suitable for use in clothes closets when installed in accordance with NEC® 410.16 (A)(1) (C)(3) spacing requirements



Fire-Resistant



cETLus Listed



Wet Location



ENERGY STAR®



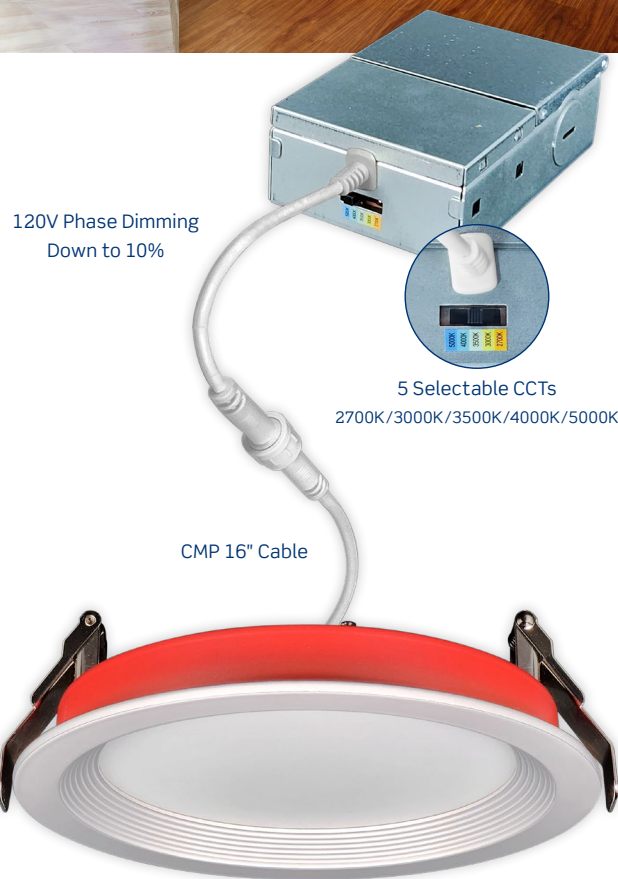
Title 24 JA8 Compliant



Air-tight



IC Rated



- Available in 4- and 6-Inch Diameters
- 1000 and 1350 lumens

## Features and Benefits

- Fire-rated for up to two (2) hours to maintain the ceiling's fire-resistant qualities
- Direct mount downlighting solution; no existing housing or junction box required
- Regressed lens with baffle for less glare and improved visual comfort
- Edge-lit optical system with diffuse polycarbonate lens produces uniform even light distribution
- Closed cell gasket included for use in wet location environments or airtight installation
- 120V Forward or Reverse Phase Dimming down to 10%
  - Compatible with Leviton dimmers listed below

## Performance

- 4-Inch round delivers 1,000 lumens at 12 watts
- 6-Inch round delivers 1,350 lumens at 15 watts
- Field selectable color temperature (CCT) switch located on the driver
  - Select from 2700K, 3000K, 3500K, 4000K, and 5000K
- Light engine consists of 90+ CRI LEDs with R9>50 and color accuracy within 4 SDCM
- 50,000 Hours @ 70% Lumen Maintenance
- Five (5) year replacement after date of purchase

## Specifications

	FBR40-S1W	FBR60-S1W
Size	4-Inch Round	6-Inch Round
Lumen Output <sup>1</sup>	1000Lm	1350Lm
Input Power	12W	15W

1. Values are nominal and vary based on CCT

## Leviton Compatible Dimmers

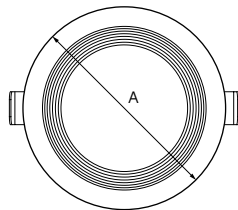
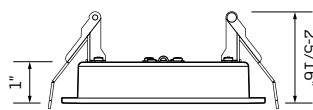
	Dimmer Model
SureSlide	6674N, 6674, 66DF
IlumaTech	IPL06, IPE04
Decora Slide with Lever Edge	ESL01
Decora Slide	DSL06, DSE06, DSM10
Decora Digital	DDM06
Decora Smart Wi-Fi	D26HD, D2ELV, D2MSD
Decora Smart Z-Wave	ZW6HD
Decora Evolve	VM2D3, VMDD3
Toggle Slide	TSL06, TSM10
Trimatron Rotary	RDL06, RNL06

**DIMMING TYPE:** Forward/Reverse Phase  
**TYPICAL DIMMING RANGE:** Down to 10%

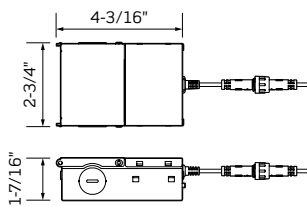
## Dimensional Drawings

Cat. No.	A	Ceiling Cut-Out
FBR40-S1W	5-1/16"	4-1/4"
FBR60-S1W	7-3/16"	6-1/4"

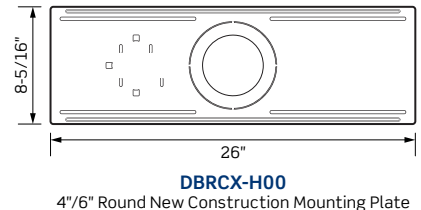
**Recommended Ceiling Thickness:** 1/2" - 2"  
**Total Cable Length:** 16"



### Driver/Junction Box (Included)



### New Construction Mounting Plate



Leviton Manufacturing Co., Inc.

Tech Line: 1-800-824-3005

Mon-Fri 8am-10pm EST, Saturday 9am-7pm EST, Sunday 9am-5pm EST

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## Rating

- 120VAC, 60Hz

## Certifications

- cETLus Listed in accordance with UL 1598 and CSA C22.2 No. 250.0
- Suitable for Wet Locations, Covered Ceiling
- Type IC (Insulated Ceiling) Rated
- 2-Hour Fire-Rated, cETLus Listed in accordance with UL263, CAN/UL S101 and ASTM E119
- ENERGY STAR® Certified
- Can be used to comply with Title 24 Part 6 JA8 High Efficacy LED Light Source Requirements
- Compliant with ASTM E283 (Air Leakage Rate 2.0 CFM or less)
- Suitable for use in clothes closets when installed in accordance with NEC® 410.16 (A)(1) (C)(3) spacing requirements

## FBR40 - Photometrics

CCT	CRI	Lumens (Lm)	Power (W)	Lm/W
2700K	93	1115	11.8	94.4
3000K	94	1144	11.7	97.8
3500K	96	1178	11.6	101.5
4000K	96	1190	11.6	102.6
5000K	93	1168	11.8	99.0

### Intensity Distribution

Distance (Ft.)	Footcandles (FC)	Beam Dia. (Ft.)
4	27.0	11.3
6	12.0	16.9
8	6.8	22.6
10	4.3	28.2
12	3.0	33.9
14	2.2	39.5

Photometric results above based on 3000K

## FBR60 - Photometrics

CCT	CRI	Lumens (Lm)	Power (W)	Lm/W
2700K	93	1489	14.9	99.9
3000K	94	1518	14.8	102.6
3500K	96	1560	14.6	106.8
4000K	95	1583	14.6	108.4
5000K	93	1570	14.9	105.4

### Intensity Distribution

Distance (Ft.)	Footcandles (FC)	Beam Dia. (Ft.)
4	35.1	11.2
6	15.6	16.8
8	8.8	22.4
10	5.6	28.0
12	3.9	33.6
14	2.9	39.2

Photometric results above based on 3000K

Beam Distribution: 109°  
Spacing Criterion: 1.4

## Ordering Information

Cat. No.	Description	UPC Number	Std. Pack
FBR40-S1W	4" Fire-Rated Baffle Slim Downlight	0 78477 02803 2	12
FBR60-S1W	6" Fire-Rated Baffle Slim Downlight	0 78477 02804 9	12
FB00X-ETW	20' Extension Cable	0 78477 02805 6	50
DBRCX-H00	4" / 6" NC Mounting Plate	0 78477 02352 5	15