

Project

Type



Date Product Code

Designer

# LED FTF DL/5 SLOPE

recessed LED sloped ceiling downlight

MADE-TO-ORDER • MAY NOT BE RETURNED FOR CREDIT • MADE-TO-ORDER • MAY NOT BE RETURNED FOR CREDIT

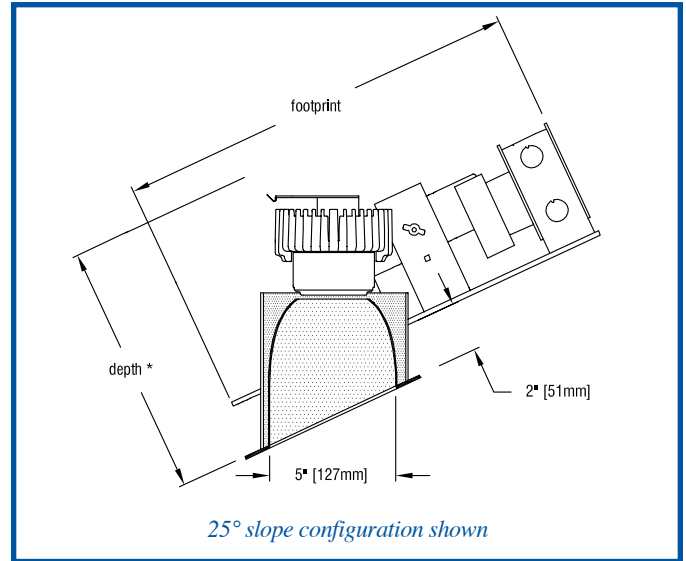
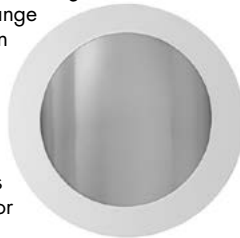
## FIXTURE DIMENSIONS

	5° Slope	10° Slope	15° Slope	20° Slope
Luminaire Depth*	9"	9 3/8"	9 3/4"	10"
Luminaire Footprint	11 7/16" x 14"	11 7/16" x 14"	11 7/16" x 15"	11 7/16" x 15"
	25° Slope	30° Slope	35° Slope	40° Slope
Luminaire Depth*	10 1/16"	10 1/4"	10 1/8"	10"
Luminaire Footprint	11 7/16" x 16"	11 7/16" x 16"	11 7/16" x 17"	11 7/16" x 18"

\*Depth includes space required to remove heat sink/LED module assembly for servicing.

## FEATURES

- **LED FTF DL/5 SLOPE is a 5" aperture LED downlight designed for sloped ceilings.** Luminaire is available as one of eight different configurations conforming to ceiling slopes of 5°, 10°, 15°, 20°, 25°, 30°, 35° and 40°.
- **Luminaire is powered by** an integral Philips Fortimo DLM Flex LED module. See tables below for wattages and efficacies. Luminaire may be ordered with one of a number of drivers.
- **Precisely designed reflector** consists of a single, seamless aluminum spinning from lamp to ceiling line, resulting in a uniquely elegant appearance. (No added 'slope adaptors'; no joints; no obtrusive mismatches of color, contour or finish.)
- **Elliptical edge of the reflector appears circular** at viewing angles and is trimmed with a 1 1/8" wide steel flange to conceal the edges of the ceiling installation hole. Standard flange finish is white; custom paint finish available on special order.
- **External reflectors are available in clear natural aluminum finishes** – semi-specular Alzak (C) or slightly diffuse (V) – as well as champagne gold and black. Other reflector finishes are available on special order.
- **Luminaire includes a pair of mounting bars** (3/4" x 27" C channel). Specialty bars for wood joist and T-bar installations are also available.
- **For more information, [click here](#).**



## PRODUCT CODE

For a complete product code, list basic unit and select one code item from each following box.

<b>Basic Unit</b> .....	LED-FTF-5DL-SLOPE
<b>Driver</b>	dimmable to 1% by a 0-10V dimmer on 120 or 277-volt service ... - DMV-AD dimmable to 1% SoftOn/FadeToBlack by a Lutron EcoSystem control, on 120-volt or 277-volt service ..... - ECO-LU dimmable to 1% by a 2-wire Lutron compatible dimmer, on 120-volt service only ..... - DM-LU

► Additional driver options are available on special order; contact factory.

<b>Slope</b>			
5° .....	-05	10° .....	-10
15° .....	-15	20° .....	-20
25° .....	-25	30° .....	-30
35° .....	-35	40° .....	-40

<b>Light Source Output</b>	
1100 lumens/CRI 90 .....	4000K & 5000K not available .... - L11H
1500 lumens .....	4000K & 5000K not available ... - L15H
2000 lumens .....	4000K & 5000K not available .... - L20H
3000 lumens .....	see SPACING ..... 4000K & 5000K not available ..... - L30H
4000 lumens/CRI 80 ...see SPACING .....	2700K not available..... - L40S
5000 lumens .....	see SPACING ..... 2700K not available..... - L50S

<b>Light Engine Color</b>	
2700K .....	not available on L40S model..... 27K
3000K .....	..... 30K
3500K .....	..... 35K
4000K .....	not available on L11H, L15H, L20H & L30H models ..... 40K
5000K .....	not available on L11H, L15H, L20H & L30H models ..... 50K

<b>Voltage</b>	
120 volt service .....	120
277 volt service.....	277

<b>Reflector and Flange Color and Detail</b>		
Semi-specular Clear .....	-C Slightly diffuse Clear .....	-V
Champagne Gold .....	-G White.....	-W
Other reflector finishes are available on special order.		
Standard trim flange finish is white.		
Custom painted flanges are available on special order; add CCF (custom color flange).		

## APPLICATIONS



Fixture is listed for Damp Location. Fixture is prewired with thermal protector and approved for ten #12 wire 90° branch circuit pull-through wiring. If specified with a "DMV-AD" driver fixture qualifies for the safety program prescribed by UL991 and CSA22.2, and does not require a thermal protector. Removal of the reflector allows access to the junction box.

<b>SPACING REQUIREMENT</b>
The L30H, L40S and L50S models of this luminaire must be spaced 36" apart and 18" from walls and must have 1/2" clearance above housing.

## OPTIONS Specify by adding to the basic unit.

<b>Emergency battery pack</b> .....	- EM
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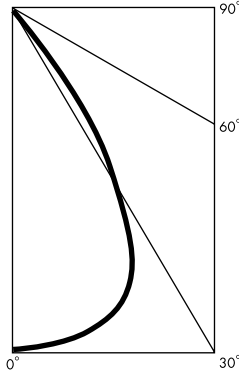
## PHOTOMETRIC REPORT (tested per IESNA LM-79-2008)

Leading Testing Laboratories Report No. UT19050003-02. Original test report furnished upon request.

Luminaire ..... recessed LED round downlight with aluminum reflector  
 Lamp ..... Philips Fortimo DLM 5000 lumens, 80 CRI, 3000K CCT  
 Lamp Life ..... rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request.  
 Spacing Criteria ..... 1.1

### CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle
	0
0	4455
5	4458
15	4267
25	3694
35	1875
45	162
55	15
65	7
75	0
85	0
90	0



### DRIVER INFORMATION *UL Class 2, dry and damp location*

Voltage	120	277
Input Watts (L11H/L15H/L20H/L30H/L40S/50S LED)	13/17/24/35/37/48	13/17/24/35/37/48
Input Current (A) (L11H/L15H/L20H/L30H/L40S/50S LED)	.11/.14/.20/.29/.31/.40	.05/.06/.09/.13/.13/.17
Min. Power Factor	>0.95	>0.95
Operating Temperature Range (F)	-4 to 122	-4 to 122

### REFLECTOR COLOR MULTIPLIERS

Semi-specular Clear (C)	1
EvenTone (V)	.95
Champagne Gold (G)	.95
Black (B)	.49

### COLOR TEMPERATURE MULTIPLIER

2700K	0.96
3000K	1
3500K	1.03
4000K	1.05
5000K	1.06

### LUMINANCE DATA

Vertical Angle	Candela/m <sup>2</sup>
45	18040
55	2059
65	1304
75	0
85	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Fixture
0 - 30°	3292	70.2
0 - 40°	4459	95.2
0 - 60°	4677	99.8
0 - 90°	4686	100.0
90 - 180°	0.0	0.0
0 - 180°	4686	100.0

### LIGHT OUTPUT MULTIPLIERS

(Based on 4000 lumens 80 CRI 3000K LED)

LED Light Engine	Light Output Multiplier	EM Light Output Multiplier (90-minute run)
L11H	0.23*	0.10*
L15H	0.31*	0.10*
L20H	0.42*	0.10*
L30H	0.63*	0.10*
L40S	0.81*	0.11*
L50S	1	0.11*

\*estimated values

### LUMINAIRE LIGHT OUTPUT AND EFFICACY (Based 3000K LED)

LED Module Type	Luminaire Light Output	Luminaire Efficacy (lms/watt)	System Wattage	EM Light Output (90-minute run)
L11H	1078*	83*	13	469*
L15H	1453*	85*	17	469*
L20H	1968*	82*	24	469*
L30H	2952*	84*	35	469*
L40S	3796*	103*	37	515*
L50S	4686	98	48	515*

\*estimated values