

SLIMA FIRE

Fire-rated protection without the bulk: SLIMA FIRE is a 4in or 6in round LED wafer downlight with a 2-hour fire rating. 9W or 14W at 80 CRI, TRIAC dimming, five switchable CCTs from 2700K to 5000K and a junction box as standard.

Office

Retail Store

Hotel

Restaurant

Library



Project Information

Type: _____ Date: _____
 Project: _____
 Catalog #: _____
 Notes: _____



Key Specifications

Electrical

Input voltage	120V
Power factor	> 0.9
THD	< 20%
Dimming	TRIAC
Power	9W (4in) • 14W (6in)

Optical

Lumen range	700–1100lm
Efficacy	~78lm/W
CRI	80
CCT	Switchable 2700K–5000K
Distribution	120°

Physical

Aperture	4in • 6in round
Fire rating	2h
Mounting	New construction • Retrofit
Finish	White • Black
Ambient	–20°C to 45°C
Application	IC rated • Wet rated
Accessories	Frame kit • EMBB • Sensor

Certifications

Listings	UL • Energy Star • RoHS
Lumen maintenance	L70 at 50000h

System Warranty

5 years

Eralux will warrant defective drivers, LEDs and boards for 5 years from the date of purchase. This warranty is valid only if the fixture is installed and used as per installation guides and specifications. If a defect is present, Eralux will send drivers and boards at no fee with thorough replacement instructions along with instructions on the return of the defective parts back to Eralux.

Lumen Maintenance

L70 at 50000h

Rated for 70% initial lumen output at 50000h of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES).

Ordering Guide - Fixture

Assembled Catalog Number

[RESET](#)

AE-DL-SF

01 **FIXTURE FAMILY**



AE-DL-SF

Slima Fire Series recessed wafer downlight, fire rated

02 **SIZE**

4

in

-04

4in round

6

in

-06

6in round

03 **POWER**

9

W

-09W

9W · 700lm

14

W

-14W

14W · 1100lm

04 **CONTROLS**



-TRIAC

TRIAC dimming

05 **CCT**

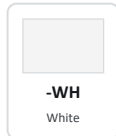
5

CCT

-P2750

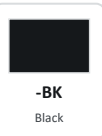
Switchable 2700K · 3000K · 3500K · 4000K · 5000K ¹

06 **FINISH**



-WH

White



-BK

Black

1. One fixture, five CCTs: 2700K, 3000K, 3500K, 4000K and 5000K are switchable. A junction box is included as standard. 4in fixtures are 9W and 6in fixtures are 14W. Frame kit and emergency battery backup are ordered from page 03; the occupancy sensor is on page 08.

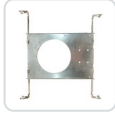
Accessory Ordering Guide

New Construction Frame Kit

[RESET](#)

AE-DL-FRKT

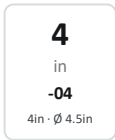
01 ACCESSORY FAMILY



AE-DL-FRKT

New construction universal frame kit, round downlights

02 SIZE



03 TYPE



-UNV

Universal: T-grid or gypsum ceiling ¹

Emergency Battery Backup

[RESET](#)

BLD-HM

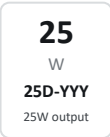
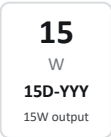
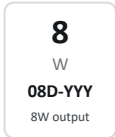
01 ACCESSORY FAMILY



BLD-HM

Emergency LED driver, remote installation

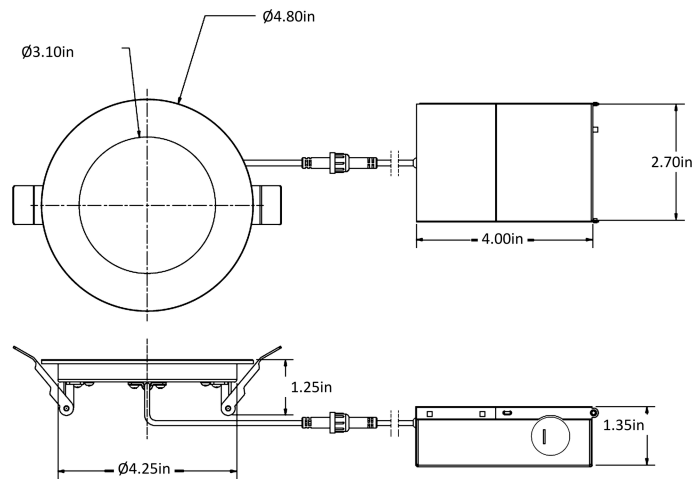
02 POWER



1. Junction box not included with the frame kit; SLIMA FIRE Series fixtures come with a junction box by default. Accessories are ordered separately and field installed. Frame kit and emergency driver dimensions and specifications are on page 05; the occupancy sensor and the dimmer list are on page 08.

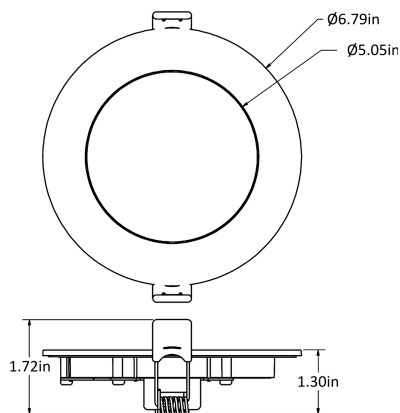
Dimensions

All dimensions in inches.



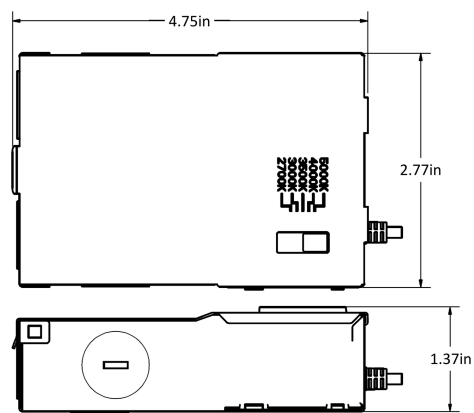
AE-DL-SF-04-XX-TRIAC-P2750-XX 4in fixture and driver

Ø4.80in trim · Ø3.10in aperture · driver 4.00in · 2.70in · 1.35in



-06 6in fixture

Ø 6.79in trim · Ø 5.05in aperture · 1.72in overall



-06 6in driver

4.75in · 2.77in · 1.37in

Cut-Out & Installation

Ceiling cut-out **Ø 4.25–4.30in (4in)**

Ceiling cut-out **Ø 6.20–6.30in (6in)**

Fixing **Spring clips**

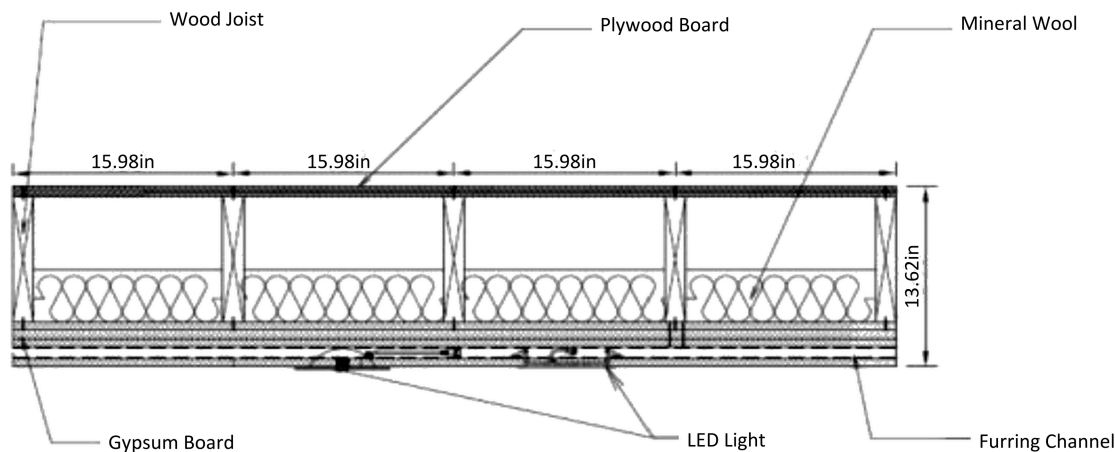
Junction box **Included as standard**

The slim recessed downlight has a full thickness of just 1in, for a variety of applications where fixture size and weight play a decisive role.

[Install Instruction link](#)

Fire Rated Ceiling Assembly

Fire rated: the fixture's housing expands when exposed to heat, preventing fire to expand throughout the ceiling. It lasts for 120min. Test ceiling assembly for the 2-hour fire rating:



Assembly Description

Use a 2-hour fire rated ceiling assembly constructed in accordance with construction specifications of UL Design No. L556. The nominal size of wood joist floor-ceiling assembly is 66.14in long by 63.94in wide by 13.31in deep, consisted of wood joists, gypsum board, flooring, rock wool and was constructed at laboratory. The fire rated ceiling assembly consisting of the following:

Wood Joist Five 63.15in long wood joists were to be positioned and secured to the wood bearing plates of 63.94in long with three M4.8 x 2.95in Hexagon washer head self-tapping screws per wood joist end. The three staggered bridging of each row were to be positioned between wood joists and secured to the joists with three M4.8 x 2.95in Hexagon washer head self-tapping screws per bridging end.

Flooring One layer of 0.59in plywood was placed on unexposed side of the wood frame along the direction of wood joists and fastened by ST3.5 x 1.38in flat head self-tapping screws with a spacing of approximately 7.99in in the perimeter and in the field.

Insulation 1.97in thick rockwool was positioned into the cavity between wood joists above gypsum board.

Gypsum Board Base layer 0.59in Knauf gypsum board applied at right angles to the wood joists by ST3.5 x 1.38in flat head self-tapping screws spaced 12in o.c. Second layer 0.59in Knauf gypsum board applied at right angles to joists by ST3.5 x 1.97in flat head self-tapping screws spaced 8in o.c. Second layer joints offset 32in from base layer joints. Third layer 0.59in Knauf gypsum board applied at right angles to joists by ST3.5 x 2.52in flat head self-tapping screws spaced 8in o.c. Third layer joints offset 16in from second layer joints. Five Hat-shaped rigid furring channels spaced 16in o.c. applied at right angles to joists over third layer with two ST3.5 x 2.52in flat head self-tapping screws at each joist. Face layer 0.59in Knauf gypsum wallboard applied at right angles to furring channels by ST3.5 x 1.38in flat head self-tapping screws 8in o.c. The board joints and screws head were coated with 2 layers of joint compound.

Sample Installation

Follow the manufacturer's installation instructions, cut a circular opening in the gypsum ceiling such that the annular space between the gypsum board and test specimen does not exceed 1/8in. The test specimens were fixed to the face layer 0.59in Knauf gypsum board of floor-ceiling assembly by spring clips.

Accessory Dimensions

New Construction Frame Kit

AE-DL-FRKT-04-UNV

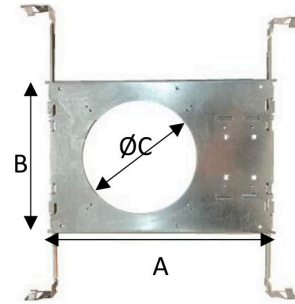
Universal frame kit, 4in round • Ø 4.5in opening

AE-DL-FRKT-06-UNV

Universal frame kit, 6in round • Ø 6.37in opening

Accessory Dimensions (continued)

Material	22-gauge galvanized steel
Mounting	T-grid · Gypsum ceiling
Ceiling thickness	~1.5in max.
Length (A)	12.75in
Width (B)	8.63in



Emergency Battery Back Up — Remote

BLD-HM08D-YYY

Emergency LED driver, 8W

BLD-HM15D-YYY

Emergency LED driver, 15W

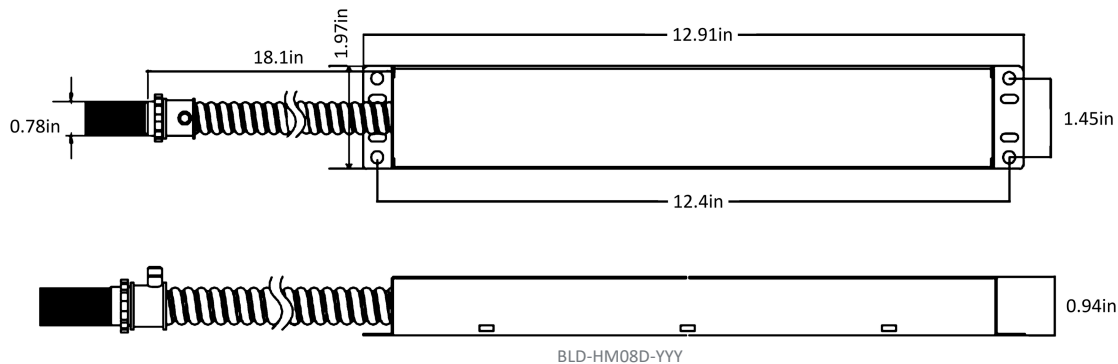
BLD-HM25D-YYY

Emergency LED driver, 25W

Input voltage	100–347V
Power frequency	50/60Hz
Input power	6W max · 12W · 12W
Output voltage	170V DC
Output power	8W · 15W · 25W
Ambient	0°C to 50°C · 30°F to 122°F



The BLD-HMXXD-YYY series LED Emergency Driver is UL listed for field and factory installations. It switches to emergency mode during power failures, providing up to 90min of lighting. With an integrated battery, charger, and converter, it delivers 8W, 15W or 25W constant power at 170V DC. Ideal for 0-10V dimmable indoor commercial LED fixtures, such as flat panels, troffers, downlights, and linear strip lights.



All dimensions in inches. Accessories are ordered separately and field installed.

Photometric Data

Lumen Estimate Adjustment Factors

2700K × 0.97 3000K × 1 3500K × 1.03 4000K × 1.05

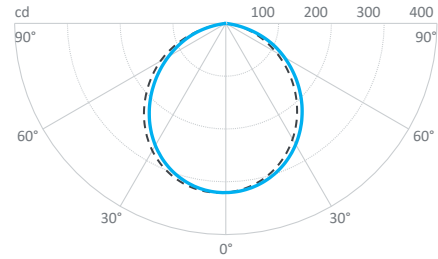
Factors for 80 CRI. Lumen output varies based on CCT and CRI; multiply by the factor for the CCT selected.

AE-DL-SF-04-09-TRIAC-P2750-XX

4in · 9W · 3500K

Wattage	9.1W
CCT	3500K
Distribution	107°

ZONE	LUMENS	% FIXTURE
0-20°	116.74	13.64
0-30°	246.67	28.82
0-40°	400.73	46.82
0-60°	692.47	80.90
0-80°	841.51	98.31
0-90°	847.10	98.97

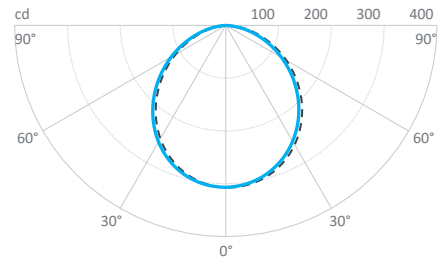


AE-DL-SF-04-09-TRIAC-P2750-XX

4in · 9W · 5000K

Wattage	9W
CCT	5000K
Distribution	107°

ZONE	LUMENS	% FIXTURE
0-20°	111.80	13.45
0-30°	236.19	28.42
0-40°	383.61	46.16
0-60°	662.57	79.73
0-80°	810.94	97.59
0-90°	822.48	98.98



Sensor & Dimming

Non-Bluetooth Sensors set up by IR remote

Product	Detection type	Detection range	Set-up	Dimming protocol	Installation
 Detecta AE-CT-DT806	PIR Microphonics	9.8–32.75ft	IR remote	On/Off	Ceiling · no power pack
Remote control RC102					

Please refer to spec sheet for exact specifications for all items above.

Dimmer List

Dimmer Compatibility — TRIAC

Lutron	S-600PR-WH · CTCL-153PR-WH · DVWCL-153PH-WH · DVCL-153PR-BL · TG600PR-LA · TGCL-153PH-WH
	CT600P-WH
Leviton	6631-1LW · 6674-POT · 6672-1LW · 6683-IW

Compatibility verified by Eralux at time of publication. For dimmers not listed, contact the factory.