Alphalite Inc.

PROJECT	
TYPE	DATE
ITEM NO.	
NOTE	

FIRE RATED HOUSING LED COMMERCIAL DOWNLIGHT

ASDL-FH Series

Fire Rated Downlight

DESCRIPTION

The ASDL-FH Series LED Commercial Downlight is an 4" economical all-in-one solution for recessed down lighting for commercial lighting applications. Easy to install in new construction and replace most manufacturers incandescent, CFL or HID fixtures. 2-Hour fire rated test in accordance with UL 263, CAN/ULC-S101-14 and ASTME119.

APPLICATION

The 4" downlight is integrated low smoke intumescent barrier making it ideal for use in offices, hotels, retails, and other architectural spaces that need to meet fire rated code compliance.

Wet Location

SPECIFICATION FEATURES

Construction

Built with easy conversion method and installation can be performed from below the ceiling without removing existing fixture. Steel housing plus fireproof iron cover and PC lens optics maintain wet location rating, with metal conduit and suitable for G1/2 knockout.
With removable fireproof iron cover, supports field field adjustable light output and CCT (FALO, FACT).

Electrical

Luminaire utilizes long life, high efficacy LEDs and a highly efficient, reliable 0-10V dimmable LED driver. 120-277V input voltage for increased versatility. Suitable for wet location.

Controls

Suitable for use with dimming wall switch to achieve deeper energy-savings and code compliance. Recommended dimmers: DIVA-DVTV(LUTRON), NOVA T NTSTV- DV(LUTRON).

Certifications / Regulatory

cETLus listed for wet loaction rated. 2-Hour fire rated test in accordance with UL 263, CAN/ULC-S101-14 and ASTME119.
IC rated.

Warranty

5-year limited warranty. See complete warranty terms for details.

Quick Ship Product

ORDERING INFORMATION

Sample Number: ASDL-FH-4-16A/9A

Series	Trims Size	Lumen Package	CRI
ASDL-FH - Fire rated LED Downlight	**4** - 4"	**4"** **4-16A** - 16/12/10/8/6W,1552/1200/1030/825/625lm	**9** - 90+ CRI

CCT	Finish Color	Emergency Backup	Accessories
A - CCT Adjustable (5000/4000/3500/3000/2700K)	**(Blank)** - White trim and red painted housing * Additonal Overlay Trim Kit available in silver and black finish	**EM-8W** - 8W EM **EM-18W** - 18W EM ** Require field installation	**ASDL-NCB-DW** - New Construction Bracket for Drywall **ASDL-NCB-TG** - New Construction Bracket for T-Grid **ASDL-4-OTK-SAWH** - aluminum Overlay Trim Kit, sandblasted anodized Silver reflector plus power coated White flange **ASDL-4-OTK-BK** - aluminum Overlay Trim Kit, painted matte Black reflector and flange

SUMMARY

Input Voltage	120-277V
Input Power	See energy data for details
Power Factor	>0.9
THD (Max.)	20%
Efficacy	87-110 LPW
Delivered Lumens	See energy data for details
Controls/ Dimming	Full Range 0-10V dimming standard
Dimming Range	10-100%
CRI	>90
CCT	5000/4000/3500/3000/2700K Selectable
Operating Temp.	-4 ~ +104°F (-20 ~ +40°C)
Rated Life	50,000 hours
IP Grade	Wet Locations
Fire Rated	2-Hour

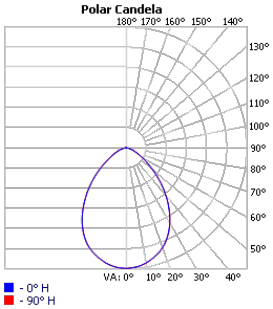
ENERGY PERFORMANCE DATA

Part No.	Rated Wattage (W)	Delivered Lumens (lm)	Efficacy (lm/W)
ASDL-FH-4-16A/9A	16/12/10/8/6	1552/1200/1030/825/625	87-110

*The delivered lumens above are based on highest wattage and 4000K.
**Default setting at time of shipping are highest wattage and highest CCT.

OPTICS

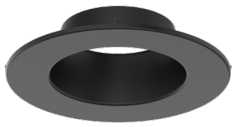
Beam Angle 80°



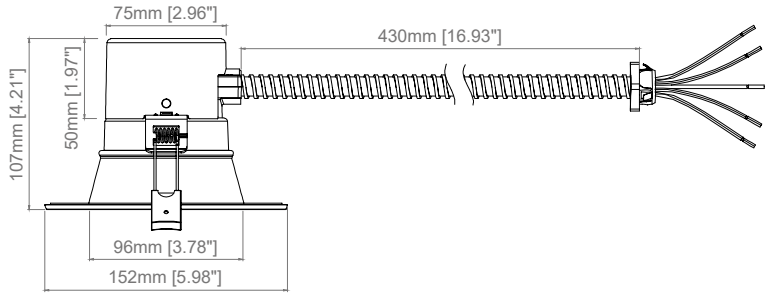
OVERLAY TRIM KIT

ASDL-4-OTK-SAWH

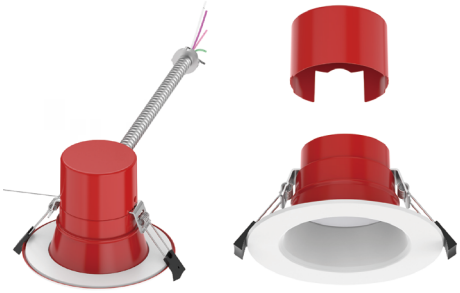
ASDL-4-OTK-BK



PHYSICAL PARAMETERS



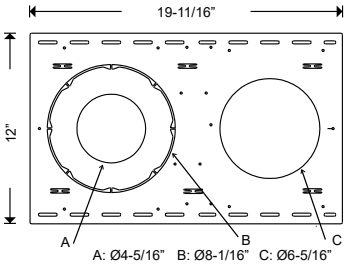
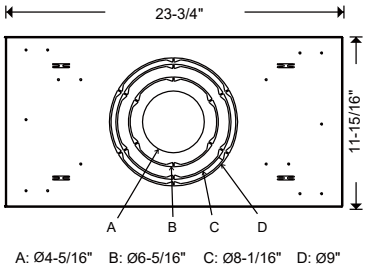
Removable fireproof iron cover



Wattage and CCT DIP switches under cover

Accessory

ASDL-NCB-DW



ASDL-NCB-TG