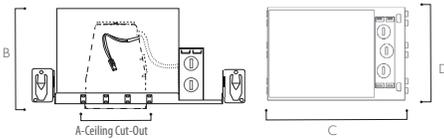


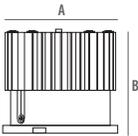
Designer Series

DLEI3

3" LED New Construction Housing



- A 3 13/16" (97mm)
- B 6" (152mm)
- C 8" (203mm)
- D 5 1/2" (140mm)



- A 3 1/2" (89mm)
- B 2 3/4" (70mm)

SPECS AT A GLANCE:

Lumen Maintenance: 70%		Rated Life: 50,000 hrs		
Dimmable: 15%		Warranty: 5 yrs		
CCT:	Delivered:	CRI:	Efficacy:	Watts:
2,700 K	582 lm	> 90	56 lm/w	< 11
3,000 K	582 lm	> 90	56 lm/w	< 11
3,500 K	582 lm	> 90	56 lm/w	< 11
4,000 K	582 lm	> 90	56 lm/w	< 11

* Tested with White Trim Reflector
NOTE: dmFLIGHTING maintains a tolerance of +/- 5% on flux and power measurements.

FEATURES

The DLEI3 recessed light-commercial housing is designed to accommodate dmflighting LED 3" downlights in new construction applications. The fixture is IC & Non-IC rated, AIRTIGHT and California Title-24 compliant.

ELECTRICAL: Luminaire accommodates input voltages of 120V; 277V stepdown transformer is also available. LED module install into fixture with a plug-in 120V line voltage IDEAL wiring connector.

MOUNTING/INSTALLATION: The housing is equipped with pre-installed adjustable bar hangers to locate the housing between joists with 16" to 24" space. The patented design of the bar hangers allows easy ceiling installation of the housing into lumber, laminated beams and T-bar.

CONSTRUCTION: 22 gauge, galvanized steel mounting frame with pre-wired 18 gauge galvanized steel junction box. Junction box is equipped with (7) 1/2" and (4) 3/4" knockouts with pryout slots. Supplied with quick connectors for supply wire connection. Maximum 1 1/2" ceiling thickness.

QUALIFICATIONS / LISTINGS

- UL Listed
- Title 24 2008 high efficacy compliant
- ASTM E283 approved (Airtight)
- IC housing is UL Listed
- Through branch circuit wiring (max 8 No. 12ga., 90°C conductors, 4 in - 4 out)



DM

DM6 LED Module

APPLICATIONS: The DM6 series module is designed for use with existing, remodel or new construction 3" and 4" housings. The hassle-free twist and lock feature allows a single module to be adapted into various trim styles and apertures. The combination of DM modules and trims are ideal for a wide variety of low-to-medium height installations including residential, commercial, retail and hospitality spaces. Modules have been UL qualified for both IC & Non-IC applications.

OPTICS:

Primary: Proprietary integration system mixes and monitors selected light wavelengths to generate consistent color and lumen values over the life of the system. Internal integration lens system also eliminates the undesirable LED "point" appearance.

Secondary: Die-cast trim engineered to control glare while maximizing system efficiency. Die cast trim options available: smooth or baffled, in various finishes.

Color Mixing: Cree TrueWhite® Technology incorporates a color mixing scheme to generate white light, offering a higher efficacy while maintaining a high CRI. Color correcting technology also ensures color uniformity over the life of the LED.

THERMAL MANAGEMENT: Proprietary aluminum heat-sink conducts heat effectively away from LEDs to ensure optimum performance and lifetime. The module has been designed to efficiently transfer excessive heat through the trim and to the plenum space.

ELECTRICAL: Integral and highly efficient solid state LED driver is accessible from below ceiling plane. Luminaire accommodates input voltages of 120V at 60 Hz. Power factor > .90. Driver is equipped with a thermal reset in the event of over temperature or internal failure. Designed for dimming capability to 15% in normal operation with standard 120V LED-rated, electronic low voltage and incandescent dimmers. (Refer to dmflight.com for a list of DM compatible dimmers)

WARRANTY: dmFLIGHTING provides a five year limited warranty on the DM module.

QUALIFICATIONS / LISTINGS

- UL Listed
- UL Listed for wet locations
- LM-79 & LM-80 qualified
- IECC and CEC compliant
- DOE Energy Star qualified



Die-Casted Trims

For DM module



All trims are wet location qualified

- DMF LED source engineered to maintain continuous luminous output throughout Kelvin color temperature changes (2,700 through 4,000).
- Acceptable Dimmers for DM Series document available online at www.dmflight.com.

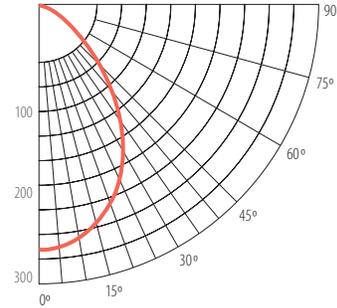
Photometrics

For DLEI3 with DM6 module/trims

Test Report #: 26226
 Catalog ID #: 3" DLEI Series
 Trim ID #: TL30W

Spacing Criteria: 1.05
 LPW: 56

CANDLEPOWER DISTRIBUTION (Candelas)



Degrees Vertical	0°
0	363.0
5	359.2
15	331.3
25	278.9
35	204.8
45	123.8
55	63.4
65	29.2
75	13.1
85	3.5
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	254.8	N/A	43.8%
0-40°	382.1	N/A	65.6%
0-60°	535.4	N/A	91.9%
0-90°	582.3	N/A	100.0%

LUMINANCE (Average cd/m2)

Degrees	Average 0° Luminance
45	45700
55	28840
65	18040
75	13250
85	10430

ORDERING INFORMATION

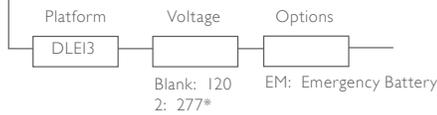
NOTE: LED Housing, Module & Trim Sold Separately

STEP 1: Choose Housing



3" LED New Construction Housing

ORDERING INFORMATION (Example: DLEI3-2)



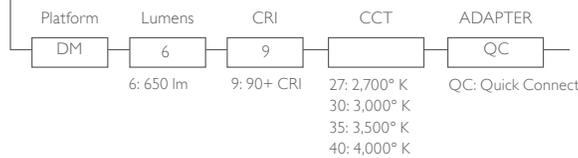
*Step down transformers included

STEP 2: Choose Module

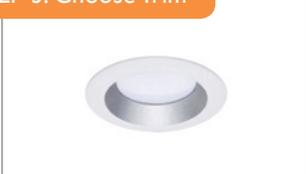


DM LED Module

ORDERING INFORMATION (Example: DM6-9-30-QC)



STEP 3: Choose Trim



Trims for DM Module

ORDERING INFORMATION (Example: TL30W)

