

6" Recessed LED Module and Trim for IC & Non-IC Applications

DESCRIPTION: Versatile light commercial recessed LED luminaire allows for installation in a variety of ceiling constructions. Engineered design maximizes LED source while offering unmatched efficacy and performance.

APPLICATIONS: Ideal for a wide variety of low-to-medium height installations including residential, commercial, hotel, restaurant, retail and hospitality spaces. The DLE series is designed for any space requiring an efficient, dimmable, instant-on light source with a high color rendering index.

OPTICS:

Primary: Proprietary integration systems 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: Engineered to control glare (cut off is 55°) while maximizing system efficiency. Trim options available: smooth or baffled, black or white baked enamel, specular or diffuse anodized and other finishes (consult factory). Dimmable down to 5% with quality incandescent dimmers. Please refer to "Acceptable Dimmers for DLE Series" document.

Color Mixing:

Cree Proprietary 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.

ELECTRICAL: Integral and highly efficient solid state LED Driver is accessible from below ceiling plane. Luminaire accommodates input voltages of 120v AC at 60 Hz. Power factor > .90. Supply connection is made through push in connectors standard. E27 socket adaptor, GU24 adaptor, blank hardwire and quick connector are also available (see accessory options.)

MOUNTING / INSTALLATION: Primary and secondary optics are supplied with 'V' Torsion Springs allowing assembly to install into virtually any 6" incandescent housing.

QUALIFICATIONS / LISTINGS:

- UL Listed
- UL Listed for damp locations. Wet location option must be specified when ordering trim
- LM-79 qualified
- Title 24 2008 high efficacy compliant
- US DOE Energy Star qualified
- IECC and CEC compliant

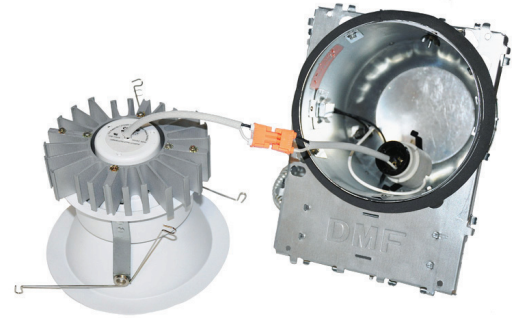
SPECS AT A GLANCE:

Lumen Maintenance: 70%			Rated Life: 50,000 hrs	
Dimmable: 5%			Warranty: 5 yrs	
CCT:	Delivered:	CRI:	Efficacy:	Watts:
2,700 K	616 lm	> 90	61 lm/w	< 12
3,000 K	616 lm	> 80	61 lm/w	< 12
3,500 K	616 lm	> 80	61 lm/w	< 12
4,000 K	616 lm	> 80	61 lm/w	< 12

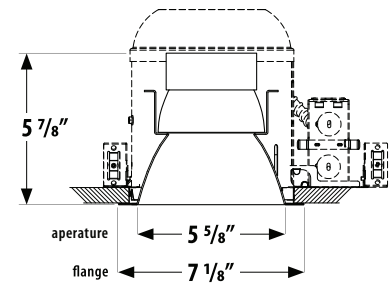
Type: _____

Catalog #: _____

Project: _____



side view in housing



ORDERING INFORMATION LED Platform (Example: DLER612-830-1-ES)

Platform	CRI	CCT	Voltage	Accessories
DLER612	8: 80+ CRI 9: 90+ CRI (1)	27: 2,700° K 30: 3,000° K 35: 3,500° K 40: 4,000° K	1: 120	ES: Medium based Edison screw-in adaptor (E27) GU: GU24 adaptor BH: Blank hardwire QC: Quick connector

1 - 90 CRI currently available in 2,700° K only.

Trim (Example: LED61350-WH)

Trim	Texture	Flange Type	Flange Color	Finish
LED61: Damp Location LED62: Wet Location	0: Smooth 3: Multi-groove baffle	0: Plastic 5: Metal (integral)	0: Cone Finish 1: White 2: Black	Anodized: SA: Specular BA: Black DA: Diffused Painted: BK: Black WH: White

PHOTOMETRIC REPORTS

Test Report #: 100209762CRT-004-PR1.103

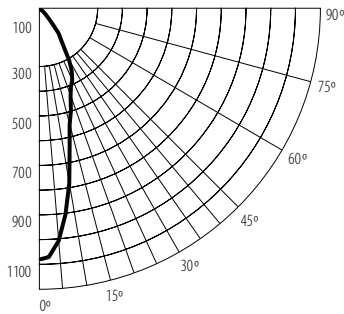
Platform: 6" DLE Series

Trim ID #: LED61050-SA (Specular Anodized Open Trim)

Spacing Criteria: 0.52

LPW: 61.65

CANDLEPOWER DISTRIBUTION (Candelas)



Degrees Vertical	0°
0	1078
5	1009
15	564
25	381
35	226
45	90
55	26
65	1
75	0
85	0
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	403.7	N/A	65.5
0-40°	533.1	N/A	86.5
0-60°	615.1	N/A	99.8
0-90°	616.5	N/A	100

LUMINANCE (Average cd/m²)

Degrees	Average 0° Luminance
45	6469
55	2304
65	120
75	0
85	0

Test Report #: 100209762CRT-002-PR1.03

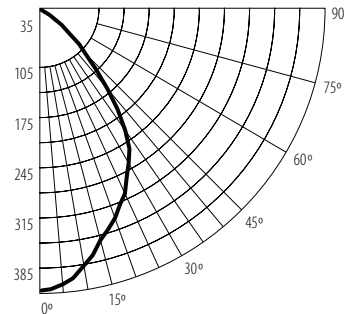
Platform: 6" DLE Series

Trim ID #: LED61050-WH (White Painted Open Trim)

Spacing Criteria: 1.02

LPW: 56.37

CANDLEPOWER DISTRIBUTION (Candelas)



Degrees Vertical	0°
0	415
5	408
15	359
25	302
35	229
45	111
55	49
65	21
75	11
85	3
90	0

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixture
0-30°	274.3	N/A	48.7
0-40°	407.9	N/A	72.4
0-60°	529.4	N/A	93.9
0-90°	563.7	N/A	100

LUMINANCE (Average cd/m²)

Degrees	Average 0° Luminance
45	7978
55	4342
65	2525
75	2160
85	1749

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

TRIMS



LED61051-SA

6" Aperature
Specular Clear Reflector Cone
White Painted Metal Flange



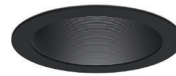
LED61050-WH

6" Aperature
White Reflector Cone
White Painted Metal Flange



LED61301-BK

6" Aperature
Black Ribbed Baffle Cone
White Plastic Flange



LED61350-BK

6" Aperature
Black Ribbed Baffle Cone
Black Painted Metal Flange



LED61350-WH

6" Aperature
White Ribbed Baffle Cone
White Painted Metal Flange



LED61050-DA

6" Aperature
Diffused Anodized Metal
Reflector Cone & Flange

- Please contact factory for custom finishes.