

LUMENTURE®

DL60 2" FIXED DOWNLIGHTS

TYPE: _____

PROJECT: _____

With a 2" aperture, knife-edge trim and excellent visual cutoff - Lumenture's DL60 blends discreetly in any environment. These recessed modules deliver high lumens without glare. The result is superior brightness and quality from an unobtrusive fixture. The DL60 is available both in remodel with an attached junction box or with optional rough-in housings to fit any construction needs.



DIMMING
Triac, ELV,
0-10V, DALI-2 &
LEDcode



WEIGHT
11 oz.
(module only)



WATTAGE
6.5W-17W



EFFICACY
up to 1600lm
up to 111lm/W



**AC DRIVER
INPUT**
120-277V



HOUSING
Closed, Open,
Pan, Remodel,
Chicago Plenum



FINISH
Aluminum module
& trim, Powdercoat



ACCESSORIES
Emergency Backup
Inverter & Accessories
available (pg. 4)

ORDERING

FIXTURE	CCT/CRI ¹	BEAM SPREAD ¹	CONE COLOR ¹	TRIM COLOR ¹	TRIM TYPE ²	DRIVER ^{3,4}	OUTPUT (mA) ¹	Housing Availability ⁵					HOUSING/ J-BOX
								C	N	P	R	CP	
DL60	22H - 2200K, CRI 90+	15 - 15° ⁷	W - White	W - White	R - Round	U - Universal Dimming Driver (Triac, ELV & 0-10V) D1 - EldoLED DALI-2/LEDcode (0.1% dimming) Z1 - EldoLED 0-10V (0.1% dimming)	150 - 6.5W	✓	✓	✓	✓	✓	C - Closed N - Open P - Pan R - Remodel CP - Chicago Plenum
	27H - 2700K, CRI 90+	25 - 25°	B - Black	B - Black	RF - Round Flangeless		200 - 8.5W	✓	✓	✓	✓	✓	
	27D - 2700K, CRI 90+ (Dim-to-Warm) ⁶	40 - 40°	S - Silver	S - Silver	RP - Round Pinhole		250 - 11W	✓	✓	✓	✓	✓	
	30H - 3000K, CRI 90+	60 - 60°			RW - Round Wet		300 - 12.5W	✓	x	x	✓	✓	
	30B - 3000K, CRI 95+				RFW - Round Flangeless Wet		350 - 15W	✓	x	x	✓	✓	
	30D - 3000K, CRI 90+ (Dim-to-Warm) ⁶				S - Square		400 - 17W	x	✓	x	x	x	
	35H - 3500K, CRI 90+				SF - Square Flangeless								
	40H - 4000K, CRI 90+				SW - Square Wet								
				SFW - Square Flangeless Wet									

NOTES

- Custom options available. Please consult factory.
 - When "wet" trim is added, the fixtures are Wet Location Rated. Above ceiling access is required for Flangeless Trim options. Flangeless Trim options are only available with C (Closed), N (Open), and CP (Chicago Plenum).
 - Emergency Backup Battery and Inverter options available. See page (4).
 - D1 EldoLED DALI-2 assumed DALI-2 protocol. Please consult factory if DALI-1 protocol is needed.
 - Housing availability chart is for informational purposes only. Do not include in ordering.
 - Full Dim-to-Warm range (3000K to 1800K) only applicable between 300-400mA. Range for other outputs: 150mA=2600K to 1800K; 200mA=2750K to 1800K; 250mA=2850K to 1800K.
 - 15° nominal Dim-to-Warm is 20° actual. Please see website for IES files.
- * Optional butterfly brackets available. See accessories on page (4).
Butterfly brackets and factory installed brackets are required for acoustical ceiling tile (ACT) ceilings.

KEY

- ✓ Available, Non-IC-Rated
- ✓ Available, IC-Rated, Title-24 Certified
- ✓ Available, IC-Rated
- x Not available

ORDERING EXAMPLE:

DL60 - 22H - 15 - W - W - R - U - 250 - P

LISTINGS

Certified to UL standard 1598 and CSA C22.2 No. 250.0-08 for damp locations. Airtight (AT) certified less than 2 cfm leakage @ 1.57PSI per ASTM E283.



DL60 2in Fixed Downlight Specifications p. 1/4
Custom options available, please consult factory
Product specifications are subject to change
info@lumenture.com P. 203.864.3333

LUMENTURE®

www.lumenture.com
version 20260515

DL60 2" FIXED DOWNLIGHTS

PHOTOMETRICS

LUMEN OUTPUT

Values fluctuate based on CCT and CRI. To estimate delivered lumen output of various CCT/CRI options, multiply nominal lumens by the multiplier below.

OUTPUT (mA)	WATTAGE	NOMINAL LUMENS	CODE	CCT	CRI	TECHNOLOGY	15°	25°	40°	60°
150	6.5W	700	22H	2200K	90+	Standard	0.65	0.70	0.70	0.65
200	8.5W	950	27H	2700K	90+	Standard	0.75	0.85	0.85	0.80
250	11W	1050	30H	3000K	90+	Standard	0.80	0.90	0.90	0.85
300	12.5W	1200	30B	3000K	95+	Standard	0.75	0.80	0.80	0.75
350	15W	1450	30D	3000K	90+	Dim-to-Warm	N/A	0.80	0.80	0.75
400	17W	1600	35H	3500K	90+	Standard	0.85	0.95	0.95	0.90
			40H	4000K	90+	Standard	0.85	0.95	0.95	0.90

Luminaire maintains a lumen output tolerance of +/-7.5%

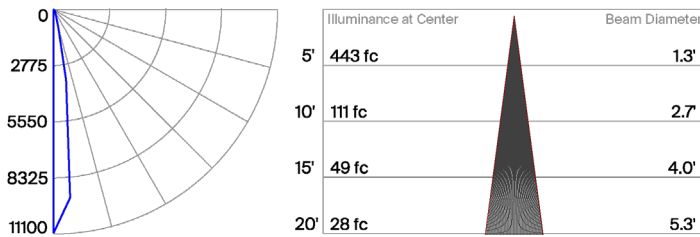
* Full Dim-to-Warm range of 3000K to 1800K only applicable between 300-400mA.

150mA dims 2600K to 1800K. 200mA dims 2750K to 1800K. 250mA dimd 2850K to 1800K.

*15° nominal Dim-to-Warm is 20° actual. Please see website for IES files.

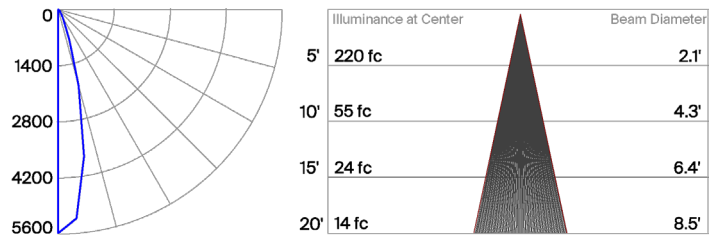
DL60 - 15 Degree

Delivered Light Output: 1159 Lumens
 Total Watts @120V: 13.5;
 Lumens Per Watt: 86
 Center Beam Candle Power: 10993
 Spacing Criteria: 0.26



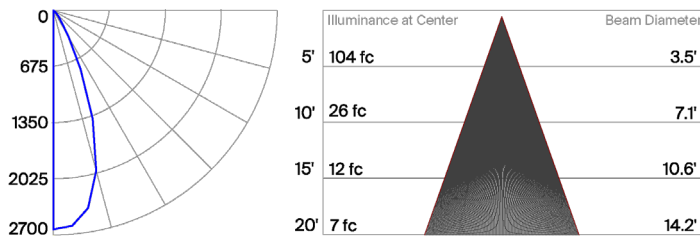
DL60 - 25 Degree

Delivered Light Output: 1248 Lumens
 Total Watts @120V: 12.5;
 Lumens Per Watt: 100
 Center Beam Candle Power: 5480
 Spacing Criteria: 0.42



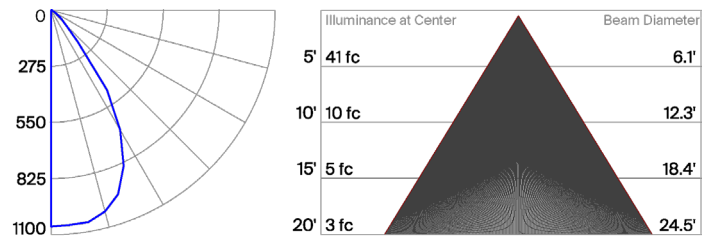
DL60 - 40 Degree

Delivered Light Output: 1225 Lumens
 Total Watts @120V: 12.5;
 Lumens Per Watt: 98
 Center Beam Candle Power: 2597
 Spacing Criteria: 0.62



DL60 - 60 Degree

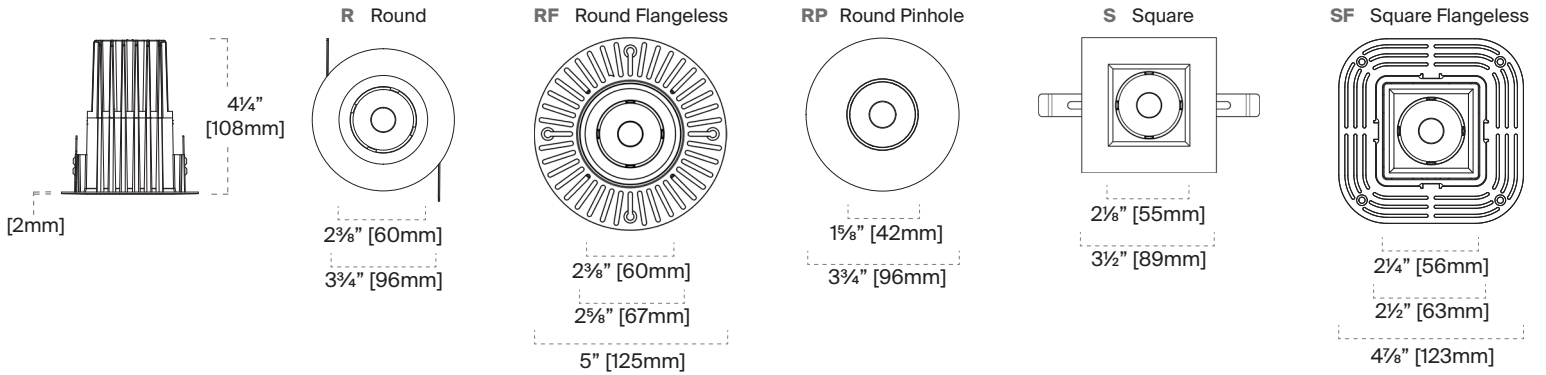
Delivered Light Output: 1100 Lumens
 Total Watts @120V: 12.5;
 Lumens Per Watt: 88
 Center Beam Candle Power: 1029
 Spacing Criteria: 0.92



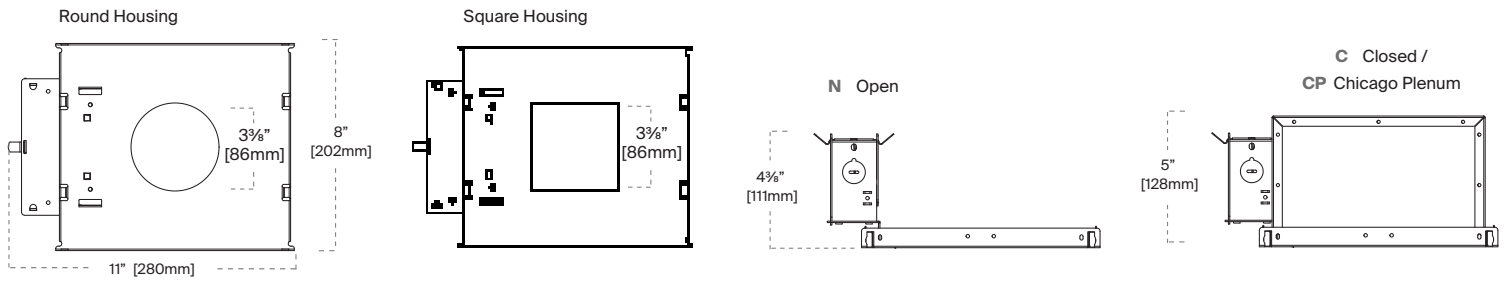
DL60 2" FIXED DOWNLIGHTS

Max Ceiling Thickness = 1"
Please consult factory for thicker ceiling options

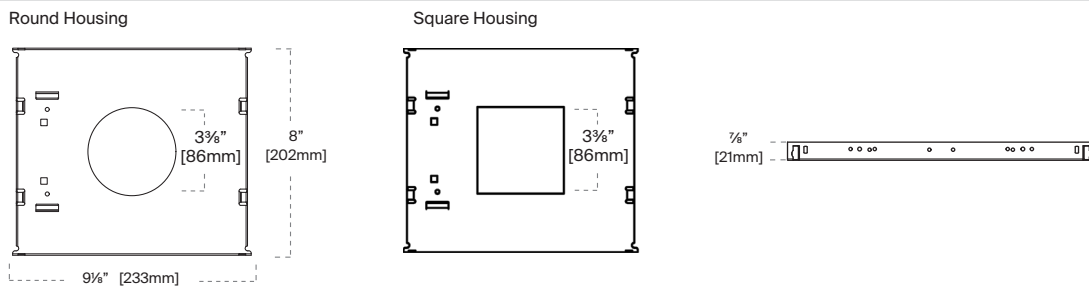
DIMENSIONS



OPEN (N), CLOSED (C), AND CHICAGO PLENUM (CP) HOUSING DIMENSIONS



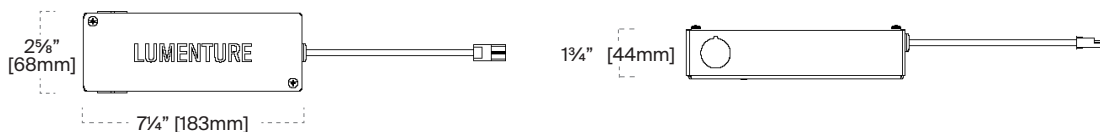
PAN (P) HOUSING DIMENSIONS



Supplied with (2) 24" adjustable hanger bars with nails. Butterfly brackets for C-Channel available upon request.

Supplied with (R) Remodel Housing (Loose Junction Box)

REMODEL (R) DIMENSIONS (Loose Junction Box)



DL60 2" FIXED DOWNLIGHTS

DIMMING

Dimming is standard and allows for smooth illumination below 0.1% with certain dimmer/driver combinations. The "U" (Universal) driver dims to 1%, accepts 120-277V AC Input and is compatible with 0-10V, Triac (forward phase) and ELV (reverse phase) dimmers. The "Z1" (0-10V) driver dims to 0.1%, accepts 120-277V AC Input and is compatible with 0-10V dimmers. The "D1" (DALI) driver dims to 0.1%, accepts 120-277V AC Input and is compatible with DALI dimmers. For dimmer compatibility, refer to the Dimming Compatibility document on our website.

ACCESSORIES

LENS ACCESSORIES

 **Lens-Yellow-50**

 **Lens-Green-50**

 **Lens-Blue-50**
(Light Blue)

 **Lens-Red-50**

 **Lens-Rose-50**

 **HL-50**
(Black Honeycomb Louver)

 **LS-50**
(Linear Spread)

 **SOL-50**
(Solite)

NOTES

Field replaceable optics and accessories available. Please consult factory.
Lens accessories can not be combined with any Wet Trim.



BUTTERFLY BRACKET KIT

Contains two (2) butterfly brackets and two (2) wing nuts
Butterfly brackets and factory installed brackets are required for acoustical ceiling tile (ACT) ceilings.

EMERGENCY BACKUP BATTERY AND LIGHTING INVERTERS

INVERTERS	ACI-H35-A1	ACI-H100-A1
Output Power:	35 Watts	100 Watts
Emergency Operation:	90 Min	90 Min
Battery Type:	LiFePO4	LiFePO4
Input Voltage:	120-277 Volts	120-277 Volts
Output Voltage:	120-277 Volts	120-277 Volts
Class 2 Output:	n/a	n/a
Diagnostic Type:	Test switch ¹	Test switch ¹
Title-20 Compliant:	Yes	Yes
Life Expectancy:	75k Hours	75k Hours
Dimensions:	20.67" x 2.24" x 2.05"	19.5" x 3.35" x 2.2"
Mounting Type:	In-Line / Remote	In-Line / Remote
Maximum Distance:	300ft (18AWG)	300ft (18AWG)
Weight:	4.85lbs	7.28lbs
Operating Ambient Temp	0-50° C	0-50° C

Small size and versatile mounting is suitable for plenum space mounting in close proximity to the luminaire or for remote mounting up to 300 ft. distance using 18 AWG wire. Further distances are possible with larger gauge wire. Two-wire universal input reduces wiring errors and reduces installation time and complexity.

NOTE:

1. Test switch wiring can be extended up to 50 feet.

BACKUP BATTERY	ACE EM ACEPHI01555CP
Output Power:	10W (Constant)
Emergency Operation:	90 Minutes
Battery Type:	Lithium iron phosphate
Input Voltage:	120-277 VAC
Output Voltage:	15-55 VDC
Class 2 Output:	Yes
Diagnostic Type:	Manual
Title-20 Compliant:	Yes
Life Expectancy:	7-10 Years
Dimensions:	9.5 x 1.7 x 1.2"
Mounting Type:	Inline (metal conduit)
Weight:	2.8lbs