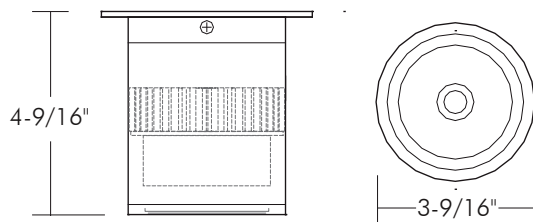


DL340 - 4" ROUND CEILING DOWNLIGHT (IP65) - 1000LM/1500LM SURFACE CEILING OR PENDANT MOUNT



SPECIFICATION

Application: This DL Series covered ceiling mount down light can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark Sky compliant.

Housing: Constructed from a round one piece high grade aluminum extrusion, die cast aluminum top plate, and faceplate with a powder coat finish. Includes COB LED, reflector, LED driver and a mounting plate. Top plate is secured to housing by threads. Mounting plate is secured to top plate with two (2) flat head phillips stainless steel screws and installs onto an electrical junction box. Consult factory for junction box mounting sizes.

Mounting: Fixture includes a mounting bracket for installation directly to a 3-1/2" or 4" octagonal electrical junction-box. Can also be mounted as a 12" - 48" pendant (LPCMDL4).

Faceplate: Round one piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

Reflector Construction: One piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Dimming: (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

Electrical: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Power Factor > 0.90. For cold weather applications (-22°C and above) use -DUN driver option.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch, plate cover and junction box included.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant.

Listing: ETL / cETL Listed. Suitable for wet location. Assembled in USA. (IP65).

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Standard finishes are White, Silver, Basic Bronze, Black. Special order finishes are Light Silver, Dark Grey, Metallic Gold and Metallic Black.

Beam Spread: Available in Wide Flood, 2° Pencil Beam, Narrow Spot, Spot, Flood and Wall Wash Optic.

LED: Energy efficient Chip-On-Board (COB) Singular LED Light Source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED Source products. Binned with 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 1700K*, 2500K*, 2700K, 2700K, 97CRI*, 3000K, 3000K, 97CRI*, 3500K, 5000K and 5600K.

Benefit:

- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and 2° Pencil Beam
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty
- Exclusive Wall Wash optics
- 90 CRI Standard

FEATURE:

ORDERING EXAMPLE : DL340B-B02-DIN-T17-EMAC

DL340	FINISH	LUMEN	BEAM SPREAD	DIMMING	LED	OPTIONS
DL340	W :White	Blank :1000lm (15W)	Blank :Wide Flood	Blank :Non-Dimming (120V)	Blank :4000K	Blank :None
	S :Silver	-L15 :1500lm (22W)	-B02 :2° Pencil Beam	UE-DUN :UniDim(120V/277V)	-T17 :1700K*	-EMAC :Emergency Back Up
	BZ :Basic Bronze		-B10 :Narrow Spot		-T25 :2500K*	-FR :Frosted Lens
	B :Black		-B20 :Spot		-T27 :2700K	
	LS :Light Silver*		-B45 :Flood		-T27-C97 :2700K, 97CRI*	
	DG :Dark Grey*		-BWW :Wall Wash Optic		-T30 :3000K	
	MG :Metallic Gold*				-T30-C97 :3000K, 97CRI*	
	MB :Metallic Black*				-T35 :3500K	
					-T50 :5000K	
					-T56 :5600K	

* Special Order. Minimum order, extended lead time may apply. Consult factory.

DL340 - PHOTOMETRY

4" ROUND CEILING DOWNLIGHT

LUMEN PACKAGE :

1000lm

1500lm

SYSTEM POWER :

15W

22W

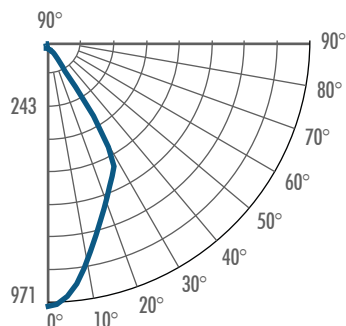
DL340BUE-DUN - 1000lm - Wide Flood - 4000K

CANDELA TABULATION

FOOTCANDLE DISTRIBUTION

System Power	: 14.5W
Test Date	: 11/15/2017
Beam Angle 50%	: 62.7°
Field Angle 10%	: 83.4°
Color Temperature	: 3997K
CRI	: 85.4
R9 Value	: 28.5
Lumens Delivered	: 863lm
CBCP	: 971cd
Power Factor	: 0.98

Multipliers	
5600K	1.40
5000K	1.25
3500K	0.87
3000K	0.75
2700K	0.67
2500K	0.62
1700K	0.42
CRI	
80CRI (Blank)	: 0.94
90CRI (-C90)	: 1.05
97CRI (-C97)	: 1.14



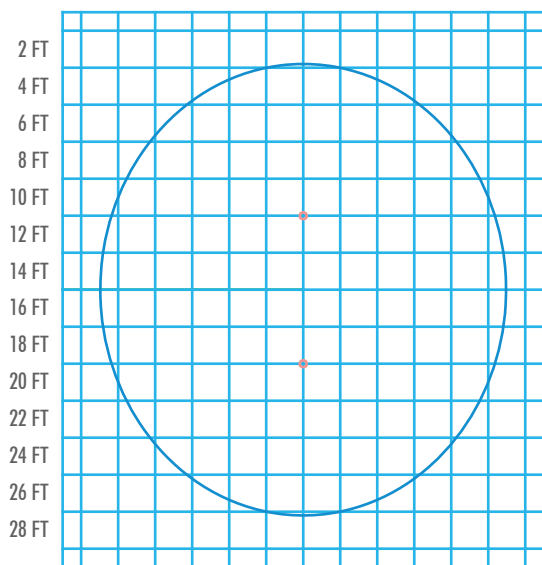
Height	Beam Diameter	FC
8.0'	9.7'	15.2
12.0'	14.6'	6.7
14.0'	17.1'	5.0
16.0'	19.5'	3.8
18.0'	21.9'	3.0

ISO FOOTCANDLE PLOTS

- Two Fixture

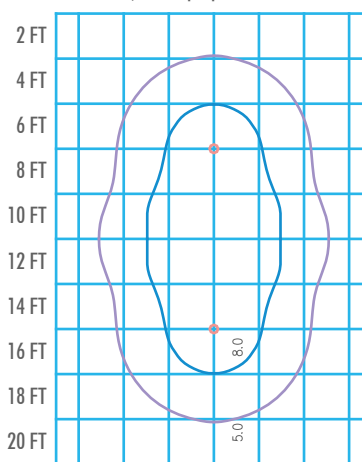
DL340BUE-DUN 33 Ft Mtg Ht. 8 Ft O.C. Spacing

DL340BUE-DUN 10 Ft Mtg Ht. 8 Ft O.C. Spacing



1 Grid = 2 FT
26 FT x 30 FT Surface Area to achieve (Avg) 1.1 FC 80% Reflectance Value on Ceiling
20% Reflectance Value on Surface

8fc = blue, 5fc = purple



1 Grid = 2 FT
14 FT x 20 FT Surface Area to achieve (Avg) 5.6 FC 80% Reflectance Value on Ceiling
20% Reflectance Value on Surface

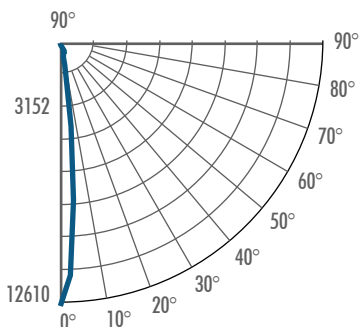
DL340B-B10UE-DUN - 1000lm - Narrow Spot - 4000K

CANDELA TABULATION

FOOTCANDLE DISTRIBUTION

System Power	: 14.5W
Test Date	: 11/15/2017
Beam Angle 50%	: 11.7°
Field Angle 10%	: 23.4°
Color Temperature	: 4012K
CRI	: 85.4
R9 Value	: 28.7
Lumens Delivered	: 1079lm
CBCP	: 12610cd
Power Factor	: 0.98

Multipliers	
5600K	1.37
5000K	1.23
3500K	0.86
3000K	0.73
2700K	0.66
2500K	0.61
1700K	0.42
CRI	
80CRI (Blank)	: 0.94
90CRI (-C90)	: 1.05
97CRI (-C97)	: 1.14



Height	Beam Diameter	FC
10.0'	2.0'	126.1
20.0'	4.1'	31.5
30.0'	6.1'	14.0
40.0'	8.2'	7.9
50.0'	10.2'	5.0

DL340 - PHOTOMETRY

4" ROUND CEILING DOWNLIGHT

LUMEN PACKAGE :

1000lm

SYSTEM POWER :

15W

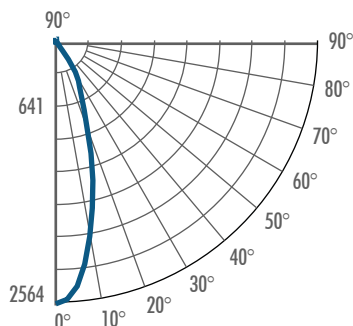
1500lm

22W

DL340B-L15-B45UE-DUN - 1000lm - Flood - 4000K

System Power	: 14.5W	Multipliers	
Test Date	: 11/15/2017	5600K	1.37
Beam Angle 50%	: 32.4°	5000K	1.22
Field Angle 10%	: 68.7°	3500K	0.85
Color Temperature	: 4016K	3000K	0.73
CRI	: 85.4	2700K	0.66
R9 Value	: 28.4	2500K	0.61
Lumens Delivered	: 1068lm	1700K	0.42
CBCP	: 2564cd	CRI	
Power Factor	: 0.98	80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.05
		97CRI (-C97)	: 1.14

CANDELA TABULATION



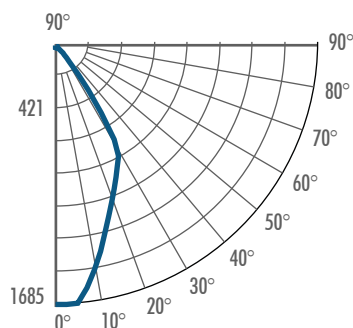
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	4.6'	40.1
12.0'	7.0'	17.8
16.0'	9.3'	10.0
20.0'	11.6'	6.4
25.0'	14.5'	4.1

DL340B-L15UE-DUN - 1500lm - Wide Flood - 4000K

System Power	: 20.1W	Multipliers	
Test Date	: 11/15/2017	5600K	1.38
Beam Angle 50%	: 58.5°	5000K	1.23
Field Angle 10%	: 82.7°	3500K	0.86
Color Temperature	: 4061K	3000K	0.74
CRI	: 85.4	2700K	0.66
R9 Value	: 24.8	2500K	0.62
Lumens Delivered	: 1418lm	1700K	0.42
CBCP	: 1685cd	CRI	
Power Factor	: 1.00	80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.05
		97CRI (-C97)	: 1.14

CANDELA TABULATION



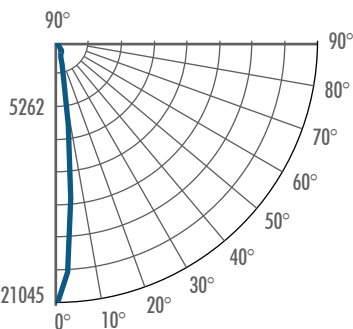
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	9.0'	26.3
10.0'	13.4'	11.7
20.0'	15.7'	8.6
40.0'	17.9'	6.6
60.0'	20.2'	5.2

DL340B-L15-B10UE-DUN - 1500lm - Narrow Spot - 4000K

System Power	: 20.1W	Multipliers	
Test Date	: 11/15/2017	5600K	1.37
Beam Angle 50%	: 11.7°	5000K	1.23
Field Angle 10%	: 23.4°	3500K	0.86
Color Temperature	: 4076K	3000K	0.73
CRI	: 85.4	2700K	0.66
R9 Value	: 28.7	2500K	0.61
Lumens Delivered	: 1730lm	1700K	0.42
CBCP	: 20228cd	CRI	
Power Factor	: 1.00	80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.05
		97CRI (-C97)	: 1.14

CANDELA TABULATION



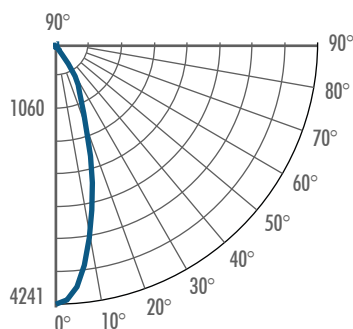
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	1.6'	316.1
10.0'	2.0'	202.3
20.0'	4.1'	50.6
40.0'	8.2'	12.6
60.0'	12.3'	5.6

DL340B-L15-B45UE-DUN - 1500lm - Flood - 4000K

System Power	: 20.1W	Multipliers	
Test Date	: 11/15/2017	5600K	1.37
Beam Angle 50%	: 32.4°	5000K	1.22
Field Angle 10%	: 68.7°	3500K	0.85
Color Temperature	: 4080K	3000K	0.73
CRI	: 85.4	2700K	0.66
R9 Value	: 28.4	2500K	0.61
Lumens Delivered	: 1714lm	1700K	0.42
CBCP	: 4115cd	CRI	
Power Factor	: 1.00	80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.05
		97CRI (-C97)	: 1.14

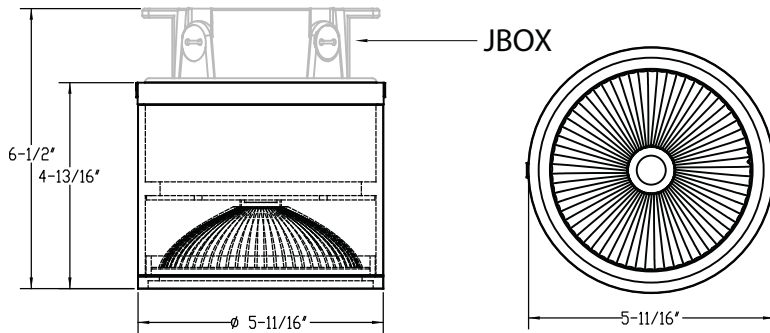
CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	4.6'	64.3
10.0'	7.0'	28.6
20.0'	9.3'	16.1
40.0'	11.6'	10.3
60.0'	14.5'	6.6

DL360 - 6" ROUND CEILING DOWNLIGHT (IP65) - 1000LM/1500LM/2200LM/2600LM SURFACE CEILING OR PENDANT MOUNT



SPECIFICATION

Application: This DL Series covered ceiling mount down light can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark Sky compliant.

Housing: Constructed from a round one piece high grade aluminum extrusion, die cast aluminum top plate, and faceplate with a powder coat finish. Includes COB LED, reflector, LED driver and a mounting plate. Top plate is secured to housing by threads. Mounting plate is secured to top plate with two (2) flat head phillips stainless steel screws and installs onto an 4" octagonal electrical junction box.

Mounting: Fixture includes a mounting bracket for installation directly to a 4" octagonal electrical junction-box. Can also be mounted as a 12" - 48" pendant (LPCMDL6).

Faceplate: Round one piece extruded aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by threads.

Reflector Construction: One piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Dimming: (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

Electrical: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Power Factor > 0.90. For cold weather applications (-22°C and above) use -DUN driver option.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch, plate cover and junction box included.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Optional: Integral Surface Mounted Junction Box – The surface mounted, weatherproof junction box provides a clean finished look in situations where a recessed junction box is not an option. This feature includes four (4) conduit ports along with two (2) closure plugs.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant.

Listing: ETL / cETL Listed. Suitable for wet location. (IP65) when installed with -JB (Integral Junction Box) or Flat Covered Surface. Assembled in USA.

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation Standard finishes are White, Silver, Basic Bronze, Black. Special order finishes are Light Silver, Dark Grey, Metallic Gold and Metallic Black.

Beam Spread: Available in Wide Flood, 2° Pencil Beam, Narrow Spot, Spot, Flood and Wall Wash Optics.

LED: Energy efficient Chip-On-Board (COB) Singular LED Light Source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED Source products. Binned with 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 1700K*, 2500K*, 2700K, 2700K, 97CRI*, 3000K, 3000K, 97CRI*, 3500K, 5000K, 5600K and 590nm AMBER*.

Benefit:

- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and 2° Pencil Beam
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty
- Exclusive Wall Wash optics

FEATURE:

ORDERING EXAMPLE : DL360B-L15-B02-T27-EMAC

DL360	FINISH	LUMEN	BEAM SPREAD	DIMMING	LED	OPTIONS
DL360	W :White	Blank :1000lm (15W)	Blank :Wide Flood	Blank nNon-Dimming (120V)	Blank :4000K	Blank :None
	S :Silver	-L15 :1500lm (22W)	-B02 :2° Pencil Beam	UE-DUN:UniDim™ (120V/277V)	-T17 :1700K*	-EMAC :Emergency Back Up
	BZ :Basic Bronze	-L20 :2200lm (22W)	-B10 :Narrow Spot		-T25 :2500K*	-LVR :Hex-Cell Louver*
	B :Black	-L26 :2600lm (30W)	-B20 :Spot		-T27 :2700K	-FR :Frosted Lens
	LS :Light Silver*		-B45 :Flood		-T27-C97 :2700K, 97CRI*	-JB :Integral Junction Box
	DG :Dark Grey*		-BWW :Wall Wash Optics		-T30 :3000K	
	MG :Metallic Gold*				-T30-C97 :3000K, 97CRI*	
	MB :Metallic Black*				-T35 :3500K	
					-T50 :5000K	
					-T56 :5600K	
					-TAM :590nm AMBER*	

* Special Order. Minimum order, extended lead time may apply. Consult factory.

DL360 - PHOTOMETRY

6" ROUND CEILING DOWNLIGHT

LUMEN PACKAGE :

1000lm

SYSTEM POWER :

15W

1500lm

22W

2200lm

22W

2600lm

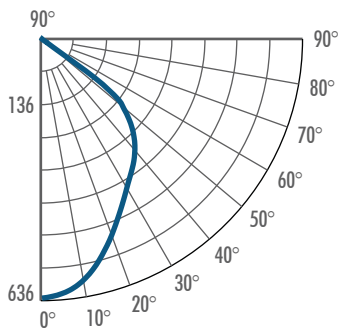
30W

DL360UE-DUN - 1000lm - Wide Flood - 4000K

CANDELA TABULATION

FOOTCANDLE DISTRIBUTION

System Power	: 15.1W	Multipliers	
Test Date	: 9/2016	5600K	1.43
Beam Angle 50%	: 92.6°	5000K	1.28
Field Angle 10%	: 111.1°	3500K	0.90
Color Temperature	: 3903K	3000K	0.77
CRI	: 84.0	2700K	0.69
R9 Value	: 21.0	2500K	0.64
Lumens Delivered	: 1113lm	1700K	0.44
CBCP	: 636cd	Lumen Multipliers	
Power Factor	: 0.99	1500lm	1.35
		2200lm	1.98
		2600lm	2.34
		CRI	
		80CRI (Blank)	: 0.95
		90CRI (-C90)	: 1.07
		97CRI (-C97)	: 1.15

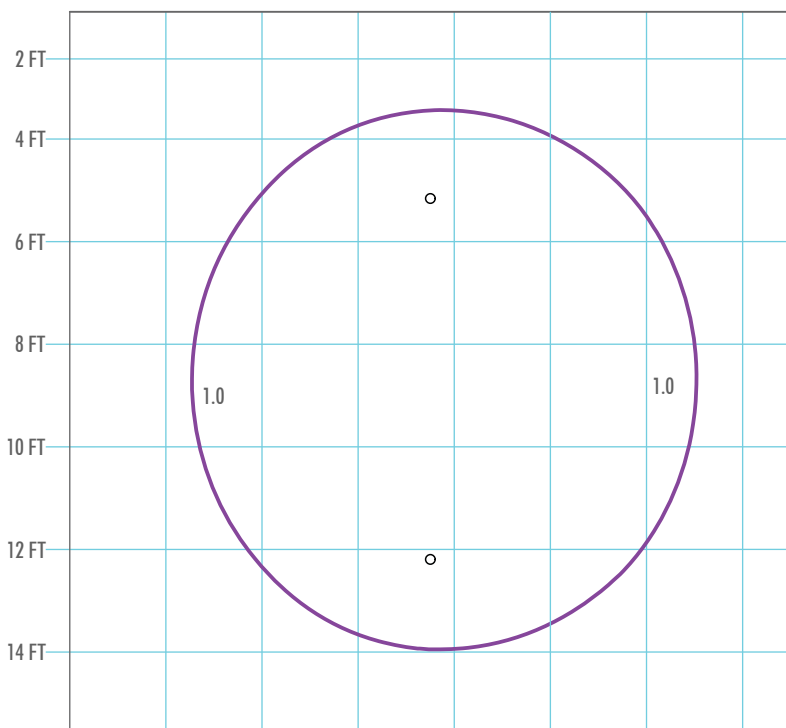


Height	Beam Diameter	FC
6.0'	12.6'	17.7
8.0'	16.7'	9.9
10.0'	20.9'	6.4
12.0'	25.1'	4.4
14.0'	29.3'	3.2

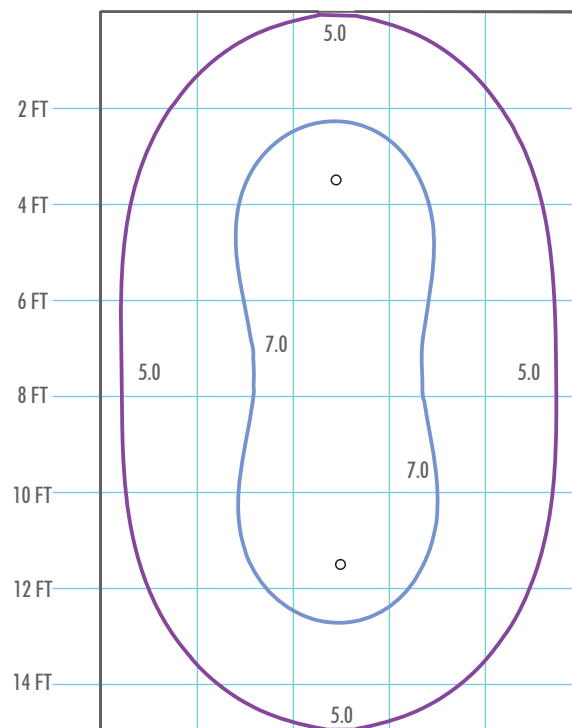
ISO FOOTCANDLE PLOTS - Two Fixture

DL360BUE-DUN 32 Ft Mtg Ht. 8 Ft O.C. Spacing

DL360BUE-DUN 10 Ft Mtg Ht. 8 Ft O.C. Spacing



1 Grid = 2 FT
15 FT x 15 FT Surface Area to achieve (Avg) 1.0 FC
80% Reflectance Value on Ceiling
20% Reflectance Value on Surface



1 Grid = 2 FT
10 FT x 15 FT Surface Area to achieve (Avg) 5.9 FC
80% Reflectance Value on Ceiling
20% Reflectance Value on Surface

DL360 - PHOTOMETRY

6" ROUND CEILING DOWNLIGHT

LUMEN PACKAGE :

1000lm

1500lm

2200lm

2600lm

SYSTEM POWER :

15W

22W

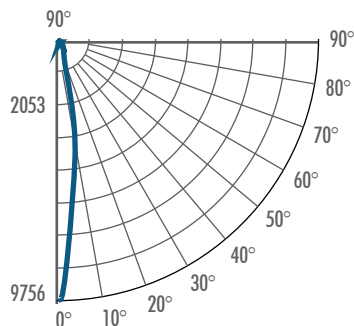
22W

30W

DL360-B10 - 1000lm - Narrow Spot - 4000K

System Power	: 15.3W	Multipliers	
Test Date	: 5/2017	5600K	1.39
Beam Angle 50%	: 12.6°	5000K	1.25
Field Angle 10%	: 28.9°	3500K	0.87
Color Temperature	: 4016K	3000K	0.75
CRI	: 85.3	2700K	0.67
R9 Value	: 26.6	2500K	0.62
Lumens Delivered	: 1038lm	1700K	0.42
CBCP	: 10651cd	Lumen Multipliers	
Power Factor	: 0.99	1500lm	1.45
		2200lm	2.12
		2600lm	2.50
		CRI	
		80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.06
		97CRI (-C97)	: 1.14

CANDELA TABULATION



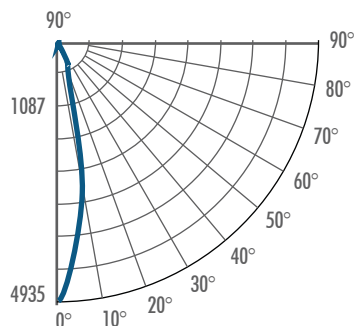
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	0.7'	906.4
6.6'	1.4'	226.6
9.8'	2.2'	100.7
13.1'	2.9'	56.6
16.4'	3.6'	36.6

DL360-B20 - 1000lm - Spot - 4000K

System Power	: 15.3W	Multipliers	
Test Date	: 5/2017	5600K	1.39
Beam Angle 50%	: 21.5°	5000K	1.24
Field Angle 10%	: 47.0°	3500K	0.87
Color Temperature	: 4021K	3000K	0.75
CRI	: 85.4	2700K	0.67
R9 Value	: 27.4	2500K	0.62
Lumens Delivered	: 1050lm	1700K	0.42
CBCP	: 5062cd	Lumen Multipliers	
Power Factor	: 0.99	1500lm	1.43
		2200lm	2.10
		2600lm	2.48
		CRI	
		80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.05
		97CRI (-C97)	: 1.14

CANDELA TABULATION



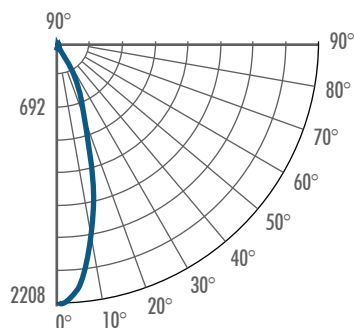
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	1.2'	458.5
6.6'	2.5'	114.6
9.8'	3.7'	50.9
13.1'	5.0'	28.7
16.4'	6.2'	18.3

DL360-B45 - 1000lm - Flood - 4000K

System Power	: 15.2W	Multipliers	
Test Date	: 5/2017	5600K	1.38
Beam Angle 50%	: 34.9°	5000K	1.24
Field Angle 10%	: 67.5°	3500K	0.86
Color Temperature	: 4048K	3000K	0.74
CRI	: 85.4	2700K	0.67
R9 Value	: 26.8	2500K	0.62
Lumens Delivered	: 980lm	1700K	0.42
CBCP	: 2215cd	Lumen Multipliers	
Power Factor	: 0.99	1500lm	1.53
		2200lm	2.24
		2600lm	2.65
		CRI	
		80CRI (Blank)	: 0.94
		90CRI (-C90)	: 1.05
		97CRI (-C97)	: 1.14

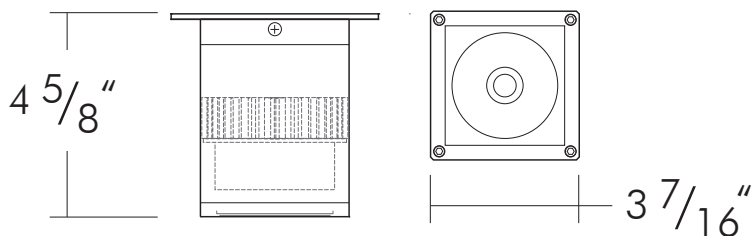
CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	2.1'	205.2
6.6'	4.1'	51.3
9.8'	6.2'	22.8
13.1'	8.3'	12.8
16.4'	10.3'	8.2

DLQ340 - 4" SQUARE CEILING DOWNLIGHT (IP65) - 850LM/1300LM SURFACE CEILING OR PENDANT MOUNT



SPECIFICATION

Application: This DL Series covered ceiling mount down light can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark Sky compliant.

Housing: Constructed from a square one piece high grade aluminum extrusion, die cast aluminum top plate, faceplate and a mounting plate with a powder coat finish. Includes COB LED, reflector, and LED driver. Top plate is secured to housing by four (4) tamper resistant, stainless steel screws. Mounting plate is secured to top plate with four (4) flat head phillips stainless steel screws and installs onto an electrical junction box. Consult factory for junction box mounting sizes.

Mounting: Fixture includes a mounting bracket for installation directly to a 3-1/2" or 4" octagonal electrical junction-box. Can also be mounted as a 12" - 48" pendant (LPCMDLQ4).

Faceplate: Square one piece die cast aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by four (4) tamper resistant, stainless steel screws.

Reflector Construction: One piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Dimming: (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

Electrical: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Power Factor > 0.90. For cold weather applications (-22°C and above) use -DUN driver option.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch, plate cover and junction box included.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant.

Listing: ETL / cETL Listed. Suitable for wet location. Assembled in USA. (IP65).

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation. Standard finishes are White, Silver, Basic Bronze, Black. Special order finishes are Light Silver, Dark Grey, Metallic Gold and Metallic Black.

Beam Spread: Available in Wide Flood, 2° Pencil, Narrow Spot, Spot, Flood and Wall Wash Optics.

LED: Energy efficient Chip-On-Board (COB) Singular LED Light Source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED Source products. Binned with 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 1700K*, 2500K*, 2700K, 2700K, 97CRI*, 3000K, 3000K, 97CRI*, 3500K, 5000K and 5600K.

Benefit:

- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and 2° Pencil Beam
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty
- Exclusive Wall Wash optics

FEATURE:

ORDERING EXAMPLE : DLQ340B-B02-T17-LVR

DLQ340	FINISH	LUMENS	BEAM SPREAD	DIMMING	LED	OPTIONS
DLQ340	W :White	Blank :850lm (15W)	Blank :Wide Flood	Blank :Non-Dimming (120V)	Blank :4000K	Blank :None
	S :Silver	-L13 :1300lm (22W)	-B02 :2° Pencil	UE-DUN:UniDim™(120V/277V)	-T17 :1700K*	-EMAC :Emergency
	BZ :Basic Bronze		-B10 :Narrow Spot		-T25 :2500K*	-LVR :Hex-Cell Louver*
	B :Black		-B20 :Spot		-T27 :2700K	-FR :Frosted Lens
	LS :Light Silver*		-B45 :Flood		-T27-C97 :2700K, 97CRI*	
	DG :Dark Grey*		-BWW :Wall Wash Optics		-T30 :3000K	
	MG :Metallic Gold*				-T30-C97 :3000K, 97CRI*	
	MB :Metallic Black*				-T35 :3500K	
					-T50 :5000K	
					-T56 :5600K	

* Special Order. Minimum order, extended lead time may apply. Consult factory.

DLQ340 - PHOTOMETRY

4" SQUARE CEILING DOWNLIGHT

LUMEN PACKAGE :

850lm

1300lm

SYSTEM POWER :

15W

22W

DLQ340BUE-DUN - 850lm - Wide Flood - 4000K

System Power : 14.5W

Test Date : 11/15/2017

Beam Angle 50% : 62.7°

Field Angle 10% : 83.4°

Color Temperature : 3997K

CRI : 85.4

R9 Value : 28.5

Lumens Delivered : 863lm

CBCP : 971cd

Power Factor : 0.98

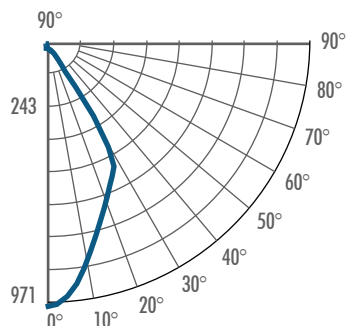
Multipliers

5600K	1.40
5000K	1.25
3500K	0.87
3000K	0.75
2700K	0.67
2500K	0.62
1700K	0.42

CRI

80CRI (Blank)	:0.94
90CRI (-C90)	:1.05
97CRI (-C97)	:1.14

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

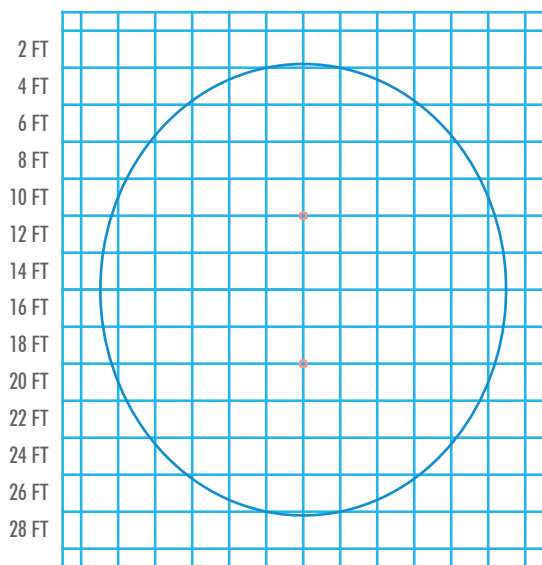
Height	Beam Diameter	FC
8.0'	9.7'	15.2
12.0'	14.6'	6.7
14.0'	17.1'	5.0
16.0'	19.5'	3.8
18.0'	21.9'	3.0

ISO FOOTCANDLE PLOTS

- Two Fixture

DLQ340BUE-DUN

33 Ft Mtg Ht. 8 Ft O.C. Spacing



1 Grid = 2 FT

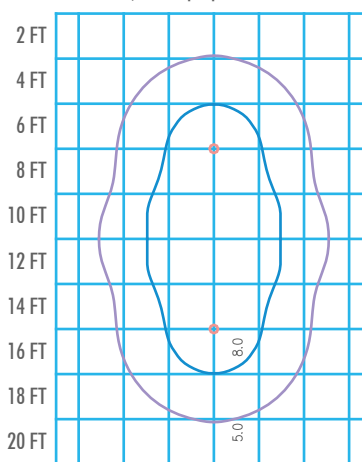
26 FT x 30 FT Surface Area to achieve (Avg) 1.1 FC 20% Reflectance Value on Surface

80% Reflectance Value on Ceiling

DLQ340BUE-DUN

10 Ft Mtg Ht. 8 Ft O.C. Spacing

8fc = blue, 5fc = purple



1 Grid = 2 FT

14 FT x 20 FT Surface Area to achieve (Avg) 5.6 FC 20% Reflectance Value on Surface

80% Reflectance Value on Ceiling

DLQ340B-B10UE-DUN - 850lm - Narrow Spot - 4000K

System Power : 14.5W

Test Date : 11/15/2017

Beam Angle 50% : 11.7°

Field Angle 10% : 23.4°

Color Temperature : 4012K

CRI : 85.4

R9 Value : 28.7

Lumens Delivered : 1079lm

CBCP : 12610cd

Power Factor : 0.98

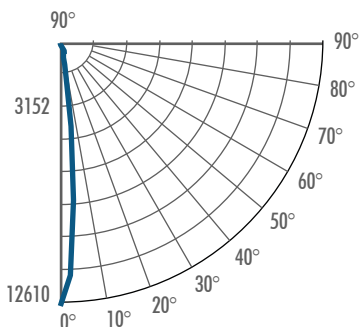
Multipliers

5600K	1.37
5000K	1.23
3500K	0.86
3000K	0.73
2700K	0.66
2500K	0.61
1700K	0.42

CRI

80CRI (Blank)	:0.94
90CRI (-C90)	:1.05
97CRI (-C97)	:1.14

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
10.0'	2.0'	126.1
20.0'	4.1'	31.5
30.0'	6.1'	14.0
40.0'	8.2'	7.9
50.0'	10.2'	5.0

DLQ340 - PHOTOMETRY

4" SQUARE CEILING DOWNLIGHT

LUMEN PACKAGE :

850lm

1300lm

SYSTEM POWER :

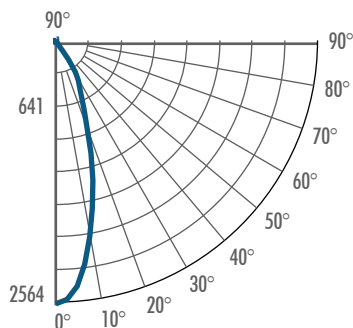
15W

22W

DLQ340B-B45UE-DUN - 850lm - Flood - 4000K

System Power	:14.5W	Multipliers	
Test Date	:11/15/2017	5600K	1.37
Beam Angle 50%	:32.4°	5000K	1.22
Field Angle 10%	:68.7°	3500K	0.85
Color Temperature	:4016K	3000K	0.73
CRI	:85.4	2700K	0.66
R9 Value	:28.4	2500K	0.61
Lumens Delivered	:1068lm	1700K	0.42
CBCP	:2564cd	CRI	
Power Factor	:0.98	80CRI (Blank)	:0.94
		90CRI (-C90)	:1.05
		97CRI (-C97)	:1.14

CANDELA TABULATION



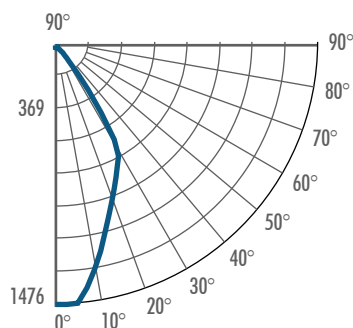
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	4.6'	40.1
12.0'	7.0'	17.8
16.0'	9.3'	10.0
20.0'	11.6'	6.4
25.0'	14.5'	4.1

DLQ340B-L13UE-DUN - 1300lm - Wide Flood - 4000K

System Power	:20.1W	Multipliers	
Test Date	:11/15/2017	5600K	1.38
Beam Angle 50%	:58.5°	5000K	1.23
Field Angle 10%	:82.7°	3500K	0.86
Color Temperature	:4061K	3000K	0.74
CRI	:85.4	2700K	0.66
R9 Value	:24.8	2500K	0.62
Lumens Delivered	:1229lm	1700K	0.42
CBCP	:1460cd	CRI	
Power Factor	:1.00	80CRI (Blank)	:0.94
		90CRI (-C90)	:1.05
		97CRI (-C97)	:1.14

CANDELA TABULATION



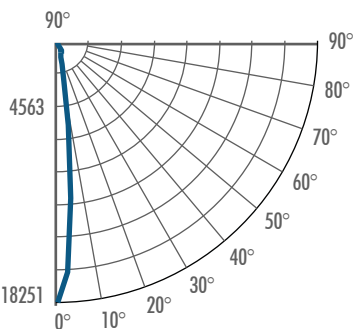
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	9.0'	22.8
12.0'	13.4'	10.1
14.0'	15.7'	7.4
16.0'	17.9'	5.7
18.0'	20.2'	4.5

DLQ340B-L13-B10UE-DUN - 1300lm - Narrow Spot - 4000K

System Power	:20.1W	Multipliers	
Test Date	:11/15/2017	5600K	1.37
Beam Angle 50%	:11.7°	5000K	1.23
Field Angle 10%	:23.4°	3500K	0.86
Color Temperature	:4076K	3000K	0.73
CRI	:85.4	2700K	0.66
R9 Value	:28.7	2500K	0.61
Lumens Delivered	:1500lm	1700K	0.42
CBCP	:17542cd	CRI	
Power Factor	:1.00	80CRI (Blank)	:0.94
		90CRI (-C90)	:1.05
		97CRI (-C97)	:1.14

CANDELA TABULATION



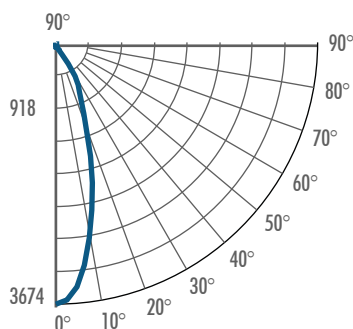
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	1.6'	274.1
10.0'	2.0'	175.4
20.0'	4.1'	43.9
40.0'	8.2'	11.0
60.0'	12.3'	4.9

DLQ340B-L13-B45UE-DUN - 1300lm - Flood - 4000K

System Power	:20.1W	Multipliers	
Test Date	:11/15/2017	5600K	1.37
Beam Angle 50%	:32.4°	5000K	1.22
Field Angle 10%	:68.7°	3500K	0.85
Color Temperature	:4080K	3000K	0.73
CRI	:85.4	2700K	0.66
R9 Value	:28.4	2500K	0.61
Lumens Delivered	:1485lm	1700K	0.42
CBCP	:3565cd	CRI	
Power Factor	:1.00	80CRI (Blank)	:0.94
		90CRI (-C90)	:1.05
		97CRI (-C97)	:1.14

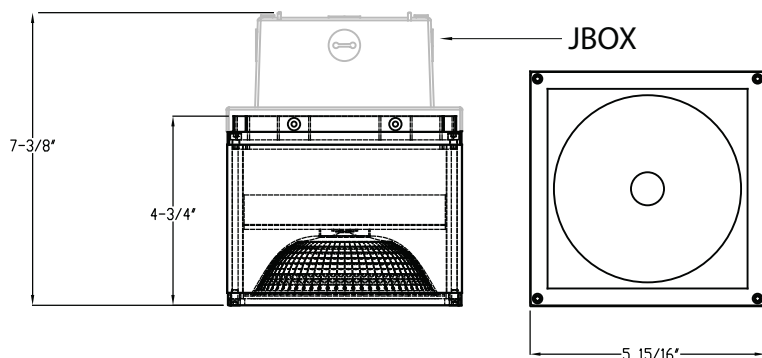
CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
8.0'	4.6'	55.7
12.0'	7.0'	24.8
16.0'	9.3'	13.9
20.0'	11.6'	8.9
25.0'	14.5'	5.7

DLQ360 - 6" SQUARE CEILING DOWNLIGHT (IP65) - 1000LM/1500LM/2200LM/2600LM SURFACE CEILING OR PENDANT MOUNT



SPECIFICATION

Application: This DL Series covered ceiling mount down light can be used in both interior and outdoor settings. Typical locations are in commercial and retail spaces that require lighting from above. Dark Sky compliant.

Housing: Constructed from a square one piece high grade aluminum extrusion, die cast aluminum top plate, and faceplate with a powder coat finish. Includes COB LED, reflector, LED driver and a mounting plate. Top plate is secured to housing by four (4) tamper resistant, stainless steel screws. Mounting plate is secured to top plate with four (4) flat head phillips stainless steel screws and installs onto an 4" octagonal electrical junction box.

Mounting: Fixture includes a mounting bracket for installation directly to a 4" octagonal electrical junction-box. Can also be mounted as a 12" - 48" pendant (LPCMDLQ6).

Faceplate: Square one piece die cast aluminum with powder coat finish, clear tempered glass lens, and silicone o-ring. Faceplate is secured to the housing by four (4) tamper resistant, stainless steel screws.

Reflector Construction: One piece, heavy-gauge aluminum reflector prevents ugly dents during shipping and installation. Deeply mounted singular LED provides 50 degree visual cutoff for a glare-free appearance.

Lumen Maintenance: Minimum 50,000 hours L70 life based on ANSI TM-21 calculations from LM80 standardized test results. See ordering guide for delivered lumens.

Dimming: (-DUN) option is a universal dimming system that works with most 3-Wire ELV, 2-Wire Incandescent and 5-Wire 0-10V fluorescent dimmers.

Electrical: AC 50/60Hz Electronic Direct Current Class 2 driver integrally mounted. Power Factor > 0.90. For cold weather applications (-22°C and above) use -DUN driver option.

Emergency Options: Emergency LED Battery Back-up available, remotely mounted adjacent to housing by installer. When AC power fails, the device immediately switches to the emergency mode, operating the LEDs for a minimum of 90 minutes. Remote test switch, plate cover and junction box included.

Caution: LITON recommends use of surge protectors on the power entering LED Housings. Surge damage is not covered by warranty.

Optional: Integral Surface Mounted Junction Box – The surface mounted, weatherproof junction box provides a clean finished look in situations where a recessed junction box is not an option. This feature includes four (4) conduit ports along with two (2) closure plugs.

Warranty: Covered by a 5 Year Warranty to be free of defects in materials and craftsmanship. Fixture should not be installed in applications with ambient temperature above 60 degrees C. Doing so will result in reduced lamp life and voided warranty.

Note: Dark Sky compliant.

Listing: ETL / cETL Listed. Suitable for wet location. (IP65) when installed with -JB (Integral Junction Box) or Flat Covered Surface. Assembled in USA.

Finish: A 7-stage electrostatic, polymer process provides a finish that delivers outstanding durability, superior anti-aging, resistance to corrosion and UV-degradation. Standard finishes are White, Silver, Basic Bronze, Black. Special order finishes are Light Silver, Dark Grey, Metallic Gold and Metallic Black.

Beam Spread: Available in Wide Flood, 2° Pencil, Narrow Spot, Spot, Flood and Wall Wash Optics.

LED: Energy efficient Chip-On-Board (COB) Singular LED Light Source provides for smooth uniform light output, eliminating the multiple shadow effect seen by multiple LED Source products. Binned with 4-step MacAdam ellipses as recommended by ANSI Standard. Available in 4000K, 1700K*, 2500K*, 2700K, 2700K, 97CRI*, 3000K, 3000K, 97CRI*, 3500K, 5000K, 5600K* and 590nm AMBER*.

Benefit:

- Daylight sensor available
- Energy efficient, low glare LED Chip-On-Board light engine
- Beam spreads include NS, SP, FL, WFL and 2° Pencil Beam
- Emergency back up available
- Singular COB Light Source
- 5 year limited warranty
- Exclusive Wall Wash Optics

FEATURE:

ORDERING EXAMPLE : DLQ360B-L15-BWW-T30-EMAC

DLQ360	FINISH	LUMEN	BEAM SPREAD	DIMMING	LED	OPTIONS
DLQ360	W :White	Blank :1000lm (15W)	Blank :Wide Flood	Blank nNon-Dimming (120V)	Blank :4000K	Blank :None
	S :Silver	-L15 :1500lm (22W)	-B02 :2° Pencil	UE-DUN :UniDim™ (120V/277V)	-T17 :1700K*	-EMAC :Emergency
	BZ :Basic Bronze	-L20 :2200lm (22W)	-B10 :Narrow Spot		-T25 :2500K*	-SDL :Daylight Sensor*
	B :Black	-L26 :2600lm (30W)	-B20 :Spot		-T27 :2700K	-LVR :Hex-Cell Louver*
	LS :Light Silver*		-B45 :Flood		-T27-C97 :2700K, 97CRI*	-FR :Frosted Lens
	DG :Dark Grey*		-BWW :Wall Wash Optics		-T30 :3000K	-JB :Integral Junction Box
	MG :Metallic Gold*				-T30-C97 :3000K, 97CRI*	
	MB :Metallic Black*				-T35 :3500K	
					-T50 :5000K	
					-T56 :5600K	
					-TAM :590nm AMBER*	

* Special Order. Minimum order, extended lead time may apply. Consult factory.

DLQ360 - PHOTOMETRY

6" SQUARE CEILING DOWNLIGHT

LUMEN PACKAGE :

1000lm

1500lm

2200lm

2600lm

SYSTEM POWER :

15W

22W

22W

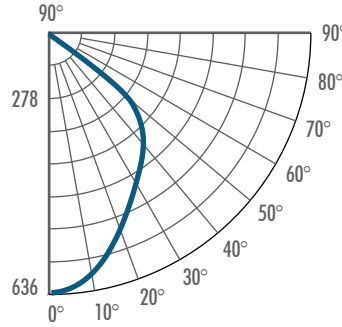
30W

DLQ360WUE-DUN - 1000lm - Wide Flood - 4000K

CANDELA TABULATION

FOOTCANDLE DISTRIBUTION

System Power	: 15.1W	Multipliers	
Test Date	: 9/2016	5600K	1.21
Beam Angle 50%	: 92.6°	5000K	1.19
Field Angle 10%	: 111.1°	3500K	0.99
Color Temperature	: 3903K	3000K	0.97
CRI	: 84.0	2700K	0.95
R9 Value	: 21.0	2500K	0.45
Lumens Delivered	: 1113lm	1700K	0.42
CBCP	: 636cd	Lumen Multipliers	
Power Factor	: 0.99	1500lm	0.80
		2200lm	0.54
		2600lm	0.46
		CRI	
		80CRI (Blank)	: 1.00
		90CRI (-C90)	: 0.71
		97CRI (-C97)	: 0.73



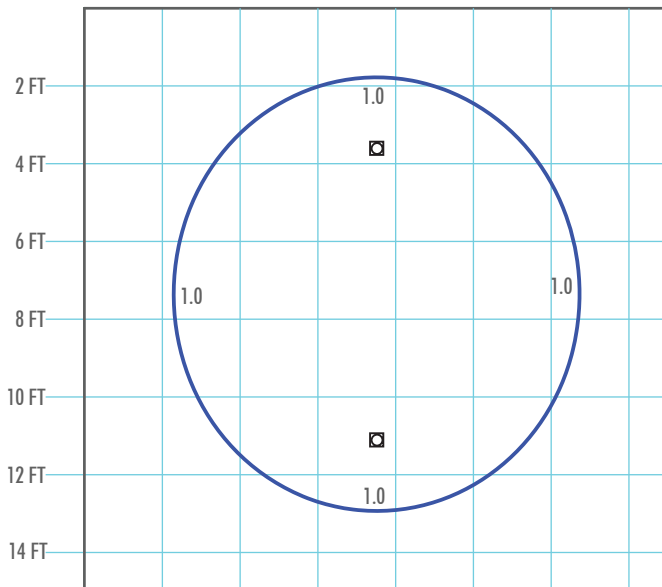
Height	Beam Diameter	FC
6.0'	12.6'	17.7
8.0'	16.7'	9.9
10.0'	20.9'	6.4
12.0'	25.1'	4.4
14.0'	29.3'	3.2

ISO FOOTCANDLE PLOTS

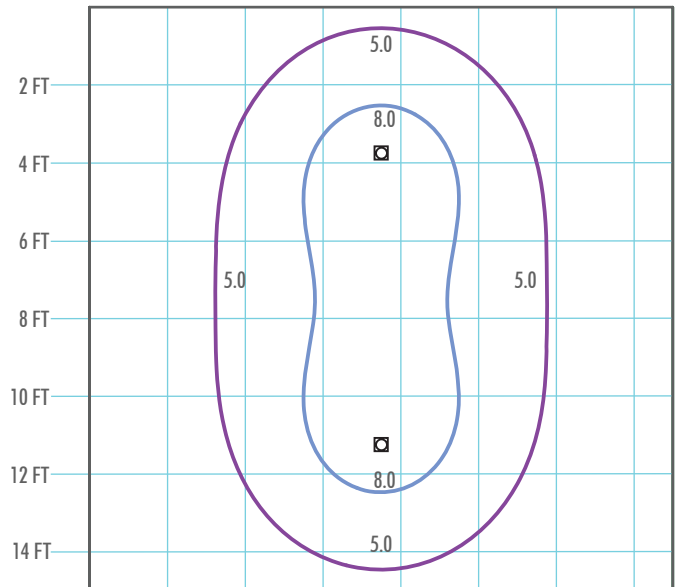
- Two Fixture

DLQ360BUE-DUN 32 Ft Mtg Ht. 8.0 Ft O.C. Spacing

DLQ360BUE-DUN 10 Ft Mtg Ht. 8 Ft O.C. Spacing



1 Grid = 2 FT
15 FT x 15 FT Surface Area to achieve (Avg) 1.0 FC
80% Reflectance Value on Ceiling
20% Reflectance Value on Surface



1 Grid = 2 FT
15 FT x 15 FT Surface Area to achieve (Avg) 4.9 FC
80% Reflectance Value on Ceiling
20% Reflectance Value on Surface

DLQ360 - PHOTOMETRY

6" SQUARE CEILING DOWNLIGHT

LUMEN PACKAGE :

1000lm

1500lm

2200lm

2600lm

SYSTEM POWER :

15W

22W

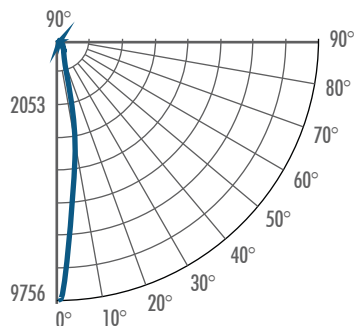
22W

30W

DLQ360-B10-T40 - 1000lm - Narrow Spot - 4000K

System Power	: 15.3W	Multipliers	
Test Date	: 5/2017	5600K	1.21
Beam Angle 50%	: 12.6°	5000K	1.19
Field Angle 10%	: 28.9°	3500K	0.99
		3000K	0.97
Color Temperature	: 4016K	2700K	0.95
CRI	: 85.3	2500K	0.45
R9 Value	: 26.6	1700K	0.42
Lumens Delivered	: 1038lm	Lumen Multipliers	
CBCP	: 10651cd	1500lm	0.80
Power Factor	: 0.99	2200lm	0.54
		2600lm	0.46
		CRI	
		80CRI (Blank)	: 1.00
		90CRI (-C90)	: 0.71
		97CRI (-C97)	: 0.73

CANDELA TABULATION



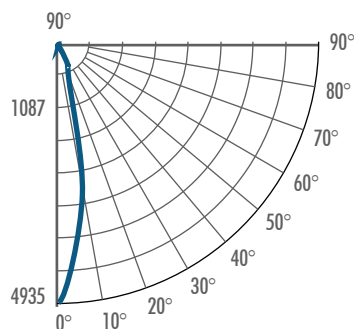
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	0.7'	906.4
6.6'	1.4'	226.6
9.8'	2.2'	100.7
13.1'	2.9'	56.6
16.4'	3.6'	36.6

DLQ360-B20-T40 - 1000lm - Spot - 4000K

System Power	: 15.3W	Multipliers	
Test Date	: 5/2017	5600K	1.21
Beam Angle 50%	: 21.5°	5000K	1.19
Field Angle 10%	: 47.0°	3500K	0.99
		3000K	0.97
Color Temperature	: 4021K	2700K	0.95
CRI	: 85.4	2500K	0.45
R9 Value	: 27.4	1700K	0.42
Lumens Delivered	: 1050lm	Lumen Multipliers	
CBCP	: 5062cd	1500lm	0.80
Power Factor	: 0.99	2200lm	0.54
		2600lm	0.46
		CRI	
		80CRI (Blank)	: 1.00
		90CRI (-C90)	: 0.71
		97CRI (-C97)	: 0.73

CANDELA TABULATION



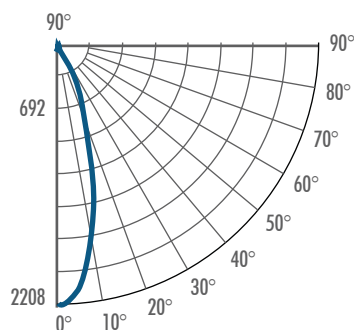
FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	1.2'	458.5
6.6'	2.5'	114.6
9.8'	3.7'	50.9
13.1'	5.0'	28.7
16.4'	6.2'	18.3

DLQ360-B45-T40 - 1000lm - Flood - 4000K

System Power	: 15.2W	Multipliers	
Test Date	: 5/2017	5600K	1.21
Beam Angle 50%	: 34.9°	5000K	1.19
Field Angle 10%	: 67.5°	3500K	0.99
		3000K	0.97
Color Temperature	: 4048K	2700K	0.95
CRI	: 85.4	2500K	0.45
R9 Value	: 26.8	1700K	0.42
Lumens Delivered	: 980lm	Lumen Multipliers	
CBCP	: 2215cd	1500lm	0.80
Power Factor	: 0.99	2200lm	0.54
		2600lm	0.46
		CRI	
		80CRI (Blank)	: 1.00
		90CRI (-C90)	: 0.71
		97CRI (-C97)	: 0.73

CANDELA TABULATION



FOOTCANDLE DISTRIBUTION

Height	Beam Diameter	FC
3.3'	2.1'	205.2
6.6'	4.1'	51.3
9.8'	6.2'	22.8
13.1'	8.3'	12.8
16.4'	10.3'	8.2