

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

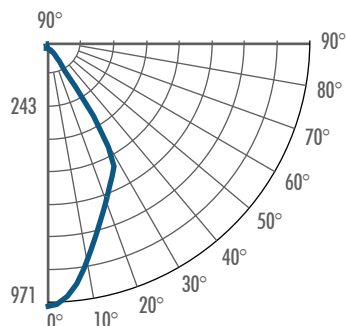
Multipliers

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

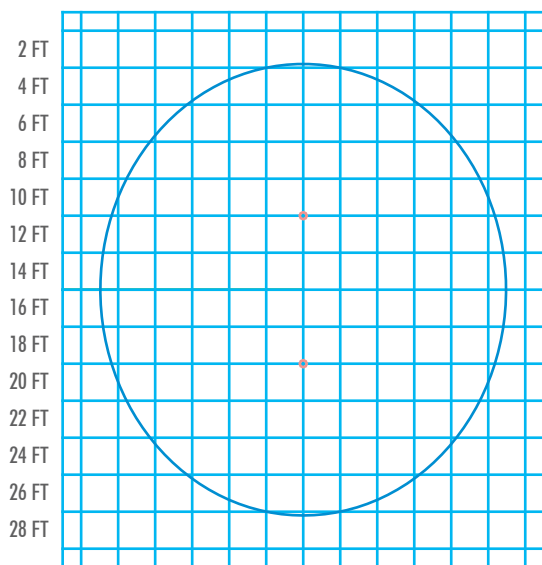
Height	Beam Diameter	FC
8.0'	9.7'	15.2
12.0'	14.6'	6.7
14.0'	17.1'	5.0
16.0'	19.5'	3.8
18.0'	21.9'	3.0

ISO FOOTCANDLE PLOTS

- Two Fixture

DLQ340BUE-DUN

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



1 Grid = 2 FT

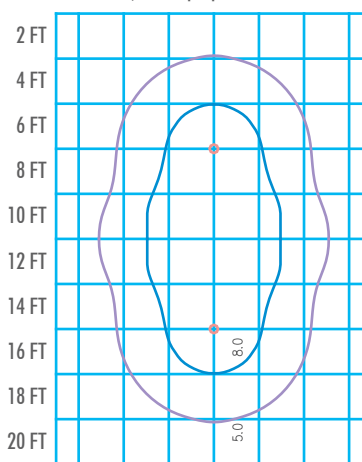
26 FT x 30 FT Surface Area to achieve (Avg) 1.1 FC 20% Reflectance Value on Surface

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

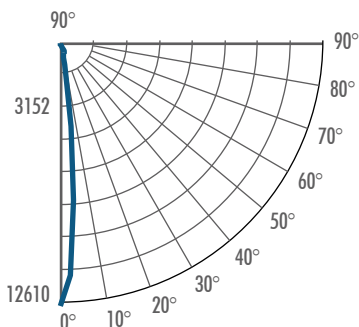
Multipliers

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 :

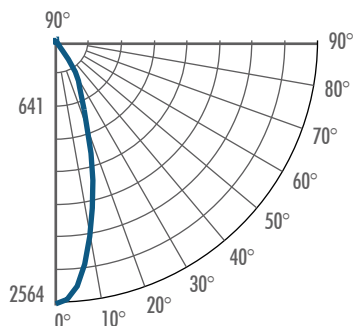
15W

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



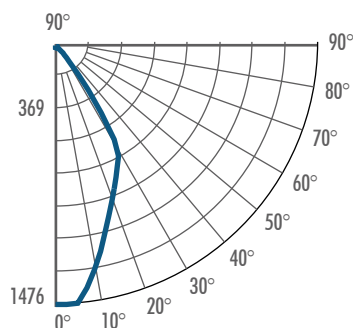
FOOTCANDLE DISTRIBUTION

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



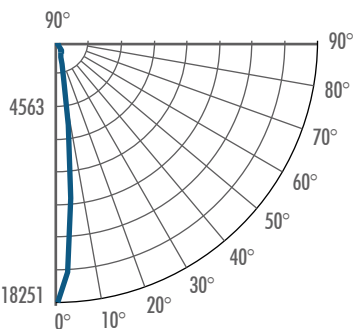
FOOTCANDLE DISTRIBUTION

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



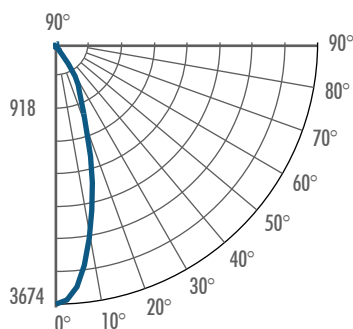
FOOTCANDLE DISTRIBUTION

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

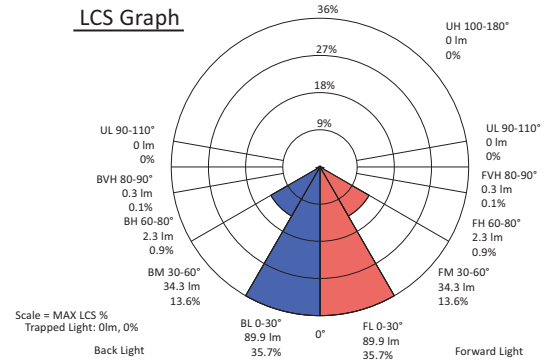


FOOTCANDLE DISTRIBUTION

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

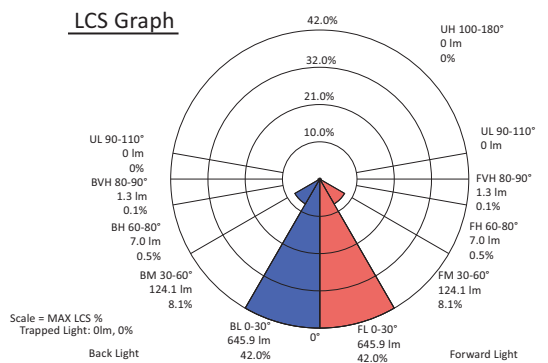
Fixture: DLQ340B-B02UE-DUN

LCS Table		
BUG Rating: B0 - U0 - G0		
Forward light	Lumens	Lumens %
Low (0-30):	89.9	35.7%
Medium (30-60):	34.3	13.6%
High (60-80):	2.3	0.9%
Very high (80-90):	0.3	0.1%
Back light		
Low (0-30):	89.9	35.7%
Medium (30-60):	34.3	13.6%
High (60-80):	2.3	0.9%
Very high (80-90):	0.3	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



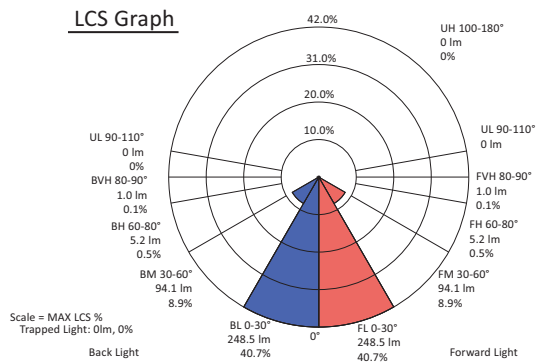
Fixture: DLQ340B-B10UE-D10

LCS Table		
BUG Rating: B2 - U0 - G0		
Forward light	Lumens	Lumens %
Low (0-30):	645.9	42.0%
Medium (30-60):	124.1	8.1%
High (60-80):	7.0	0.5%
Very high (80-90):	1.3	0.1%
Back light		
Low (0-30):	645.9	42.0%
Medium (30-60):	124.1	8.1%
High (60-80):	7.0	0.5%
Very high (80-90):	1.3	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



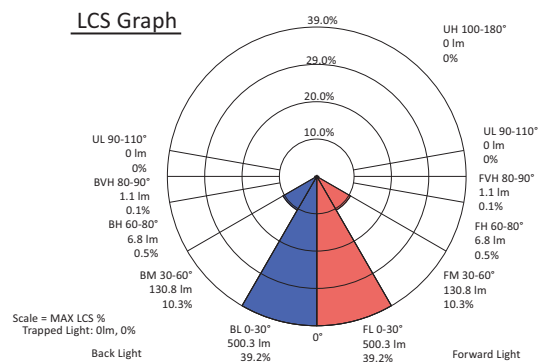
Fixture: DLQ340B-B20UE-DUN

LCS Table		
BUG Rating: B1 - U0 - G0		
Forward light	Lumens	Lumens %
Low (0-30):	428.5	40.7%
Medium (30-60):	94.1	8.9%
High (60-80):	5.2	0.5%
Very high (80-90):	1.0	0.1%
Back light		
Low (0-30):	428.5	40.7%
Medium (30-60):	94.1	8.9%
High (60-80):	5.2	0.5%
Very high (80-90):	1.0	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



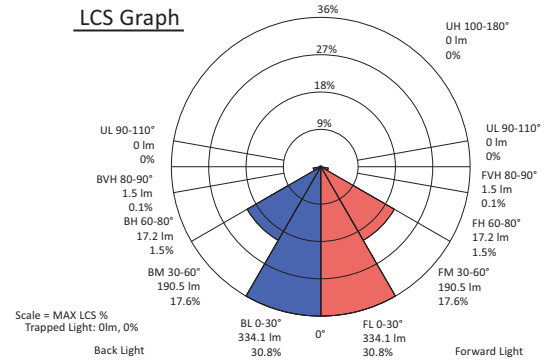
Fixture: DLQ340B-B45UE-DUN

LCS Table		
BUG Rating: B2 - U0 - G0		
Forward light	Lumens	Lumens %
Low (0-30):	500.3	39.2%
Medium (30-60):	130.8	10.3%
High (60-80):	6.8	0.5%
Very high (80-90):	1.1	0.1%
Back light		
Low (0-30):	500.3	39.2%
Medium (30-60):	130.8	10.3%
High (60-80):	6.8	0.5%
Very high (80-90):	1.1	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



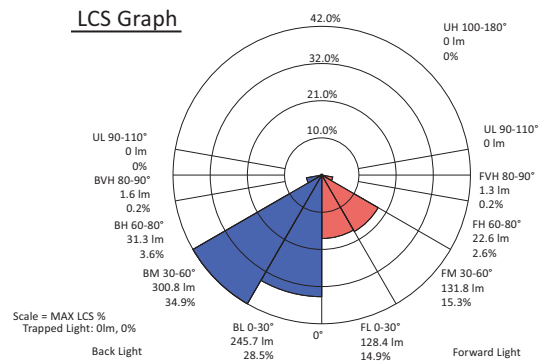
Fixture: DLQ340B-B60UE-DUN

LCS Table		
BUG Rating:	B1 - U0 - G0	
Forward light	Lumens	Lumens %
Low (0-30):	334.1	30.8%
Medium (30-60):	190.5	17.6%
High (60-80):	17.2	1.6%
Very high (80-90):	1.5	0.1%
Back light		
Low (0-30):	334.1	30.8%
Medium (30-60):	190.5	17.6%
High (60-80):	17.2	1.6%
Very high (80-90):	1.5	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



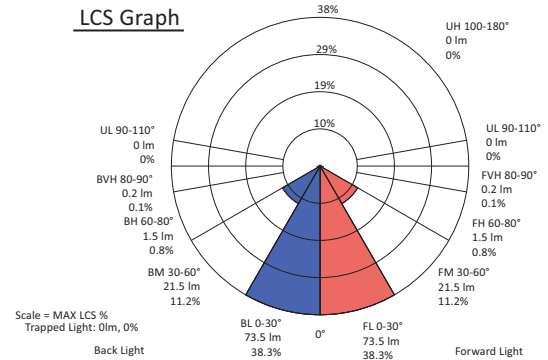
Fixture: DLQ340B-BWWUE-DUN

LCS Table		
BUG Rating:	B1 - U0 - G0	
Forward light	Lumens	Lumens %
Low (0-30):	128.4	14.9%
Medium (30-60):	131.8	15.3%
High (60-80):	22.6	2.6%
Very high (80-90):	1.3	0.2%
Back light		
Low (0-30):	245.7	28.5%
Medium (30-60):	300.8	34.9%
High (60-80):	31.3	3.6%
Very high (80-90):	1.6	0.2%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



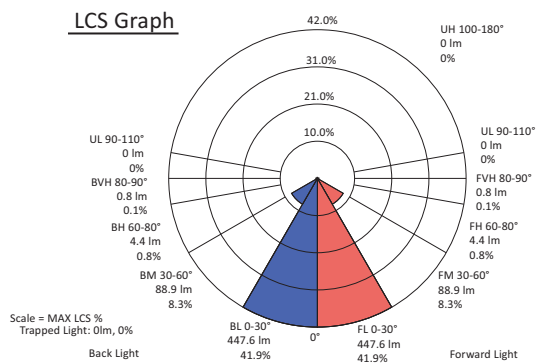
Fixture: DLQ340B-L15-B02UE-DUN

LCS Table		
BUG Rating:	B0 - U0 - G0	
Forward light	Lumens	Lumens %
Low (0-30):	73.5	38.3%
Medium (30-60):	21.5	11.2%
High (60-80):	1.5	0.8%
Very high (80-90):	0.2	0.1%
Back light		
Low (0-30):	73.5	38.3%
Medium (30-60):	21.5	11.2%
High (60-80):	1.5	0.8%
Very high (80-90):	0.2	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



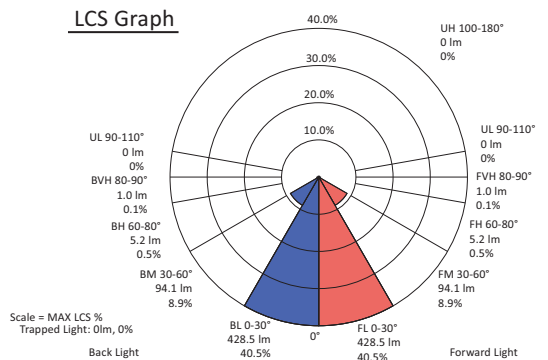
Fixture: DLQ340B-L15-B10UE-DUN

LCS Table		
BUG Rating:	B1 - U0 - G0	
Forward light	Lumens	Lumens %
Low (0-30):	447.6	41.9%
Medium (30-60):	88.9	8.3%
High (60-80):	4.4	0.4%
Very high (80-90):	0.8	0.1%
Back light		
Low (0-30):	447.6	41.9%
Medium (30-60):	88.9	8.3%
High (60-80):	4.4	0.4%
Very high (80-90):	0.8	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



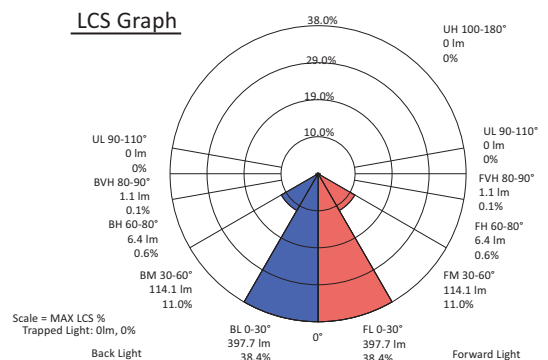
Fixture: DLQ340B-L15-B20UE-DUN

LCS Table		
BUG Rating:	B0 - U0 - G0	
Forward light	Lumens	Lumens %
Low (0-30):	428.5	40.5%
Medium (30-60):	94.1	8.9%
High (60-80):	5.2	0.5%
Very high (80-90):	1.0	0.1%
Back light		
Low (0-30):	428.5	40.5%
Medium (30-60):	94.1	8.9%
High (60-80):	5.2	0.5%
Very high (80-90):	1.0	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



Fixture: DLQ340B-L15-B45UE-DUN

LCS Table		
BUG Rating:	B1 - U0 - G0	
Forward light	Lumens	Lumens %
Low (0-30):	397.7	38.4%
Medium (30-60):	114.1	11.0%
High (60-80):	6.4	0.6%
Very high (80-90):	1.1	0.1%
Back light		
Low (0-30):	397.7	38.4%
Medium (30-60):	114.1	11.0%
High (60-80):	6.4	0.6%
Very high (80-90):	1.1	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%



Fixture: DLQ340B-L15-B60UE-DUN

LCS Table		
BUG Rating: B1 - U0 - G0		
Forward light	Lumens	Lumens %
Low (0-30):	273.7	32.2%
Medium (30-60):	140.2	16.5%
High (60-80):	10.8	1.3%
Very high (80-90):	1.0	0.1%
Back light		
Low (0-30):	273.7	32.2%
Medium (30-60):	140.2	16.5%
High (60-80):	10.8	1.3%
Very high (80-90):	1.0	0.1%
Uplight		
Low (90-100):	0.0	0.0%
High (100-180):	0.0	0.0%
Trapped light	0.0	0.0%

