

Lumination™ LED Luminaires

LDX Round Series | New Construction Downlight



Project name _____

Date _____

Type _____

Product Description:

Lumination™ LDX Series LED downlights are powered by LED downlight modules. LDX downlights offer a wide range of options that create the ideal ambiance for any application.

Performance Summary:

Light Output Range: 1000-8000 lumens

CRI: Standard 82 CRI, TriGain™ 90

CCT: 3000K, 3500K, 4000K & 5000K

Input Voltage: 120V, 277V, 347V

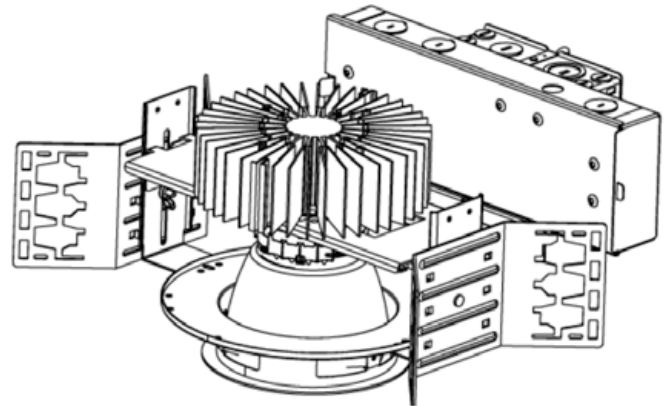
Rated Lumen Depreciation: L85 @ 50,000 hours

Limited Warranty: 5 years

System Efficacy: Up to 103 LPW

Rating: Damp Standard/Wet Option

Product Dimensions:



*See page 4 for detailed dimensional drawings



Ordering Information:

A complete fixture consists of a **Configured Housing + Reflector + Hanger Bars** -

1. Configured Housing

LDX		R		-		-		-		-		-	
FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	NOMINAL LUMENS	CRI	CCT	CONTROLS	OPTIONS					
LDX = Lumination LDX New Construction Downlight	4R = 4" Round 6R = 6" Round	A = 1st Generation W = Wall Wash	1 = 120V 4 = 277V D = 347V	10 = 1000 lm 15 = 1500 lm 20 = 2000 lm 30 = 3000 lm 40 = 4000 lm 50 = 5000 lm 60 = 6000 lm 80 = 8000 lm *80 not available in 347V or with CP option	8 = 82 CRI Standard T = TriGain™ (1000, 1500, 2000lm, and in 3500K and 4000K only)	35 = 3500K 40 = 4000K 50 = 5000K	VQ = 0-10V Dimming PQ = Phase Dimming (120V forward phase dimming up to 4000lm only) TS = Wireless ZigBee Daintree™ Enabled (no sensor)	(blank) = None EL = Emergency Battery Backup					

2. Reflector

R		DI		R		-		-		-	
REFLECTOR	HOUSING TYPE	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR	FLANGE COLOR	OPTIONS					
R = Reflector	DI4R ¹ = 4" Round DI6R = 6" Round	N = Narrow W = Wide V = Very Wide WW = Wall Wash	SD = Semi-Diffused DF = Diffused SP = Specular PT = Painted (white reflector color only)	(blank) = None WT ² = White Paint WE ³ = Wheat PW ³ = Pewter GO ³ = Gold BL ⁴ = Black	MR = Match Reflector WT = White Paint XT ⁵ = Trimless	(blank) = None WR ⁶ = Safe Wet Rated					

*See page 3 for additional reflector information

Reflector Ordering Notes:

- DI4R only available in W and WW beam spread
- White painted reflectors only available in PT reflector finish and WT or XT flange finish
- Wheat, pewter, and gold anodized reflector colors only available in SD reflector finish. Contact factory representative for quote.
- Black anodized reflectors only available in DF reflector finish. Contact factory representative for quote.
- Trimless only available in the following combinations: RD14RWSDXT, RD14RWPTWTXT, RD14RWDFBLXT, RD16RWSDXT, RD16RWPTWTXT, RD16RWDFBLXT
- Safe wet rated only available in the following combinations: RD14RWSDMRWR, RD14RWSWDTWR, RD14RWPTWTWTWR, RD16RWSDMRWR, RD16RWSWDTWR, RD16RWPTWTWTWR

3. Hanger Bars – BH3 (Ordered Separately)

MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
93110306	BH3 - 2 required per fixture	HANGER BAR, C-CHANNEL - 25 1/4" (BOXED PAIR)

current
powered by GE



Nominal Lumen Tables: Lumination™ LDX Series

Standard 82 CRI Performance Table

NOMINAL LUMENS	1000	1500	2000	3000	4000	5000	6000	8000
Fixture Delivered Lumens	1147	1600	2117	3300	4298	5150	6200	8200
System Input Power (W)	12.4	16.5	20.5	34.2	47.6	51.0	62.4	84.9
System Efficacy (LPW)	92.5	97	103	96	90	101	99	96.6

Configuration Notes:

1. Table based on 4000K CCT using semi-diffused finish with 120V Input

Standard 82 CRI Scaling Table

CCT	SCALING FACTOR
2700K	.91
3000K	.96
3500K	.99
4000K	1.00
5000K	1.03



Performance Table

NOMINAL LUMENS	1000	1500	2000
Fixture Delivered Lumens	1019	1520	2030
System Input Power (W)	12.4	17.2	20.9
System Efficacy (LPW)	82.2	88.4	97
CRI	90		
R9	96		

Configuration Notes:

1. Table based on 3500K/4000K CCT using semi-diffused finish with 120V Input

TriGain™ Scaling Table

CCT	SCALING FACTOR
3500K	1
4000K	1

Accessories: Lumination™ LDX Series

Hanger Bars

MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
93110306	BH3 - 2 required per fixture	HANGER BAR, C-CHANNEL - 25 1/4" (BOXED PAIR)



Stocked Reflector Options

MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
93984	RDI4RWSDMR	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM
93985	RDI4RWSDWT	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM
208944	RDI4RWWSDMR	4" ROUND WALL WASH REFLECTOR, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM
208945	RDI4RWWSDWT	4" ROUND WALL WASH REFLECTOR, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM
93027440	RDI4RWSDMRWR	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM, SAFE WET RATED
93027441	RDI4RWSDWTWR	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM, SAFE WET RATED
93988	RDI6RNSDMR	6" ROUND REFLECTOR, NARROW, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM
93989	RDI6RNSDWT	6" ROUND REFLECTOR, NARROW, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM
93990	RDI6RWSDMR	6" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM
93991	RDI6RWSDWT	6" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM
16181	RDI6RWWSDMR	6" ROUND WALL WASH REFLECTOR, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM
16182	RDI6RWWSDWT	6" ROUND WALL WASH REFLECTOR, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM
93027438	RDI6RWSDMRWR	6" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM, SAFE WET RATED
93027439	RDI6RWSDWTWR	6" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM, SAFE WET RATED

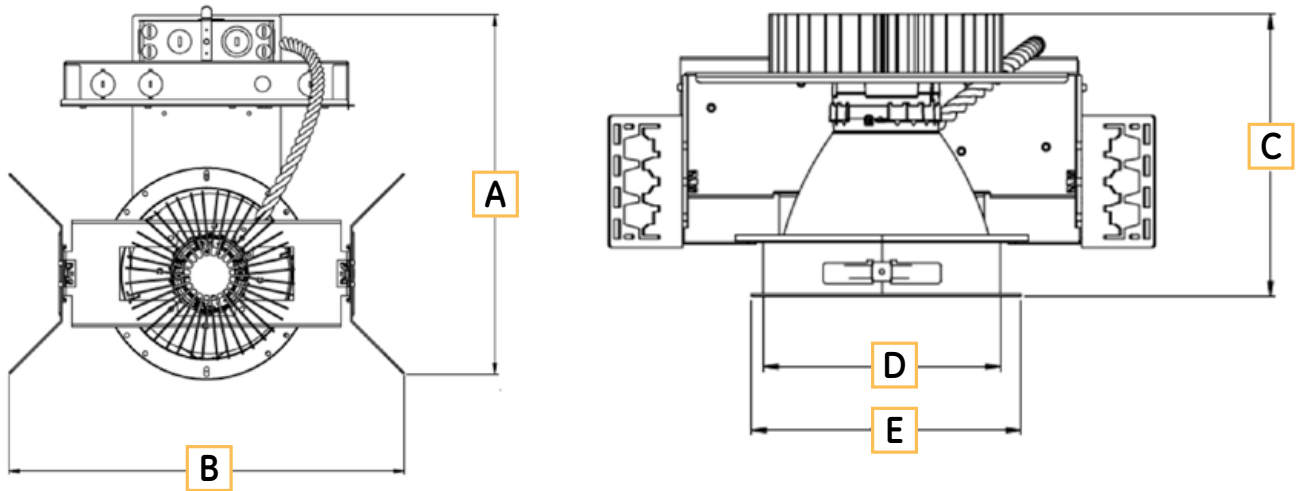
Trimless Reflector Options

MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
93055787	RDI4RWSDXT	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, FLANGELESS
93068237	RDI4RWPTWTXT	4" ROUND REFLECTOR, WIDE, PAINTED, WHITE REFLECTOR, FLANGELESS
93068243	RDI4RWDFBLXT	4" ROUND REFLECTOR, WIDE, DIFFUSED, BLACK REFLECTOR, FLANGELESS
93067885	RDI6RWSDXT	6" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, FLANGELESS
93068239	RDI6RWPTWTXT	6" ROUND REFLECTOR, WIDE, PAINTED, WHITE REFLECTOR, FLANGELESS
93068241	RDI6RWDFBLXT	6" ROUND REFLECTOR, WIDE, DIFFUSED, BLACK REFLECTOR, FLANGELESS

Frosted Decorative Drop-Ring Reflector Options

MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
93042011	RDI4RWSDMRAG	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM, FROSTED DECORATIVE DROP-RING
93042010	RDI4RWSDWTAG	4" ROUND REFLECTOR, WIDE, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM, FROSTED DECORATIVE DROP-RING
93042012	RDI4RWPTWTWTAG	4" ROUND REFLECTOR, WIDE, PAINTED, WHITE REFLECTOR AND TRIM, FROSTED DECORATIVE DROP-RING
93042014	RDI6RNSDMRAG	6" ROUND REFLECTOR, NARROW, SEMI-DIFFUSED, CLEAR REFLECTOR AND TRIM, FROSTED DECORATIVE DROP-RING
93042013	RDI6RNSDWTAG	6" ROUND REFLECTOR, NARROW, SEMI-DIFFUSED, CLEAR REFLECTOR, WHITE TRIM, FROSTED DECORATIVE DROP-RING
93042015	RDI6RNPTWTWTAG	6" ROUND REFLECTOR, NARROW, PAINTED, WHITE REFLECTOR AND TRIM, FROSTED DECORATIVE DROP-RING

Product Dimensions: Lumination™ LDX Series



4" ROUND LOW LUMEN LDX 1000, 1500, 2000 LM	4" ROUND MEDIUM LUMEN LDX 3000, 4000 LM	4" ROUND HIGH LUMEN LDX 5000, 6000, 8000 LM
A = 120V, 277V = 13.5" (343mm) 347V = 15" (380mm)	A = 120V, 277V = 13.5" (343mm) 347V = 15" (380mm)	A = 120V, 277V = 13.5" (343mm) 347V = 15" (380mm)
B = 14.8" (376mm)	B = 14.8" (376mm)	B = 14.8" (376mm)
C = 7" (177mm)	C = 7.6" (192mm)	C = 9.9" (252mm)
D = 4.4" (112mm)	D = 4.4" (112mm)	D = 4.4" (112mm)
E = 5.6" (142mm)	E = 5.6" (142mm)	E = 5.6" (142mm)

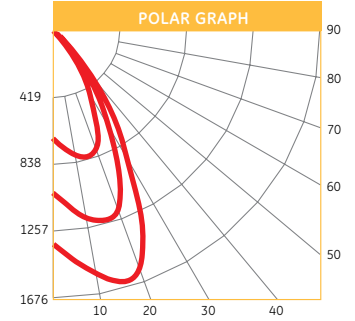
6" ROUND LOW LUMEN LDX 1000, 1500, 2000 LM	6" ROUND MEDIUM LUMEN LDX 3000, 4000 LM	6" ROUND HIGH LUMEN LDX 5000, 6000, 8000 LM
A = 120V, 277V = 13.5" (343mm) 347V = 15" (380mm)	A = 120V, 277V = 13.5" (343mm) 347V = 15" (380mm)	A = 120V, 277V = 13.5" (343mm) 347V = 15" (380mm)
B = 14.8" (376mm)	B = 14.8" (376mm)	B = 14.8" (376mm)
C = 7" (177mm)	C = 7.6" (192mm)	C = 9.9" (251mm)
D = 6.4" (162mm)	D = 6.4" (162mm)	D = 6.4" (162mm)
E = 7.2" (184mm)	E = 7.2" (184mm)	E = 7.2" (184mm)

Photometric Data: Lumination™ LDX Series

LDX4R Wide Distribution

RC	COEFFICIENTS OF UTILIZATION																		
	80%				70%				50%				30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	113	111	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93	
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	
3	102	95	90	86	100	94	89	86	91	87	84	89	86	83	87	84	82	80	
4	97	89	83	79	95	88	82	78	86	81	77	84	80	77	82	78	76	74	
5	91	83	77	73	90	82	76	72	80	75	72	78	74	71	77	73	70	69	
6	87	78	71	67	85	77	71	67	75	70	66	74	69	66	72	68	65	64	
7	82	73	66	62	81	72	66	62	71	65	62	69	65	61	68	64	61	60	
8	78	68	62	58	77	68	62	58	67	61	57	65	61	57	65	60	57	56	
9	74	64	58	54	73	64	58	54	63	57	54	62	57	54	61	57	53	52	
10	70	61	55	51	69	60	54	51	59	54	50	58	54	50	58	53	50	49	

NOTE: Floor Cavity Reflectance: 20%



Candlepower Summary

Angle	NOMINAL MODULE LUMENS		
	1000	1500	2000
0	697	1029	1394
5	730	1077	1459
10	782	1154	1563
15	825	1217	1649
20	817	1206	1634
25	703	1038	1406
30	515	760	1030
35	334	492	667
40	200	296	401
45	88	130	176
50	28	42	57
55	12	17	24
60	6	9	13

Cone of Light

Height	NOMINAL MODULE LUMENS			
	1000	1500	2000	Dia. (ft.)
6'	19	29	39	6.9
8'	11	16	22	9.2
10'	7	10	14	11.5
12'	5	7	10	13.9
14'	4	5	7	16.2
16'	3	4	5	18.5
18'	2	3	4	20.8
20'	2	3	4	23.1

Zonal Lumen Summary

Zone	NOMINAL MODULE LUMENS			
	1000	1500	2000	% of Fixture
0-30°	597	881	1194	69.1
0-40°	788	1163	1576	91.1
0-60°	860	1269	1719	99.4
0-90°	865	1277	1730	100

Application Reference (Open Space)

Spacing	NOMINAL MODULE LUMENS					
	1000		1500		2000	
	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²
4' x 4'	54.5	1.08	80.4	1.50	-	-
6' x 6'	25.5	0.50	37.6	0.70	50.9	0.90
8' x 8'	13.7	0.27	20.1	0.38	27.3	0.48
10' x 10'	9.1	0.18	13.4	0.25	18.2	0.32
10' ceiling, Open Space: 50' x 40' x 10'						

LLF: 1.0 Initial, 80/50/20 Reflectances, 2.5' workplane

Application Reference (Corridor)

Spacing	NOMINAL MODULE LUMENS					
	1000		1500		2000	
	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²
4' on ctr.	23.5	0.75	34.6	1.04	46.9	1.33
6' on ctr.	16.0	0.51	23.5	0.71	31.9	0.91
8' on ctr.	11.3	0.36	16.6	0.50	22.5	0.64
10' on ctr.	9.4	0.30	13.9	0.42	18.8	0.53
10' ceiling, Corridor: 6'W x 100'L						

LLF: 1.0 Initial, 80/50/20 Reflectances, Light levels on the ground

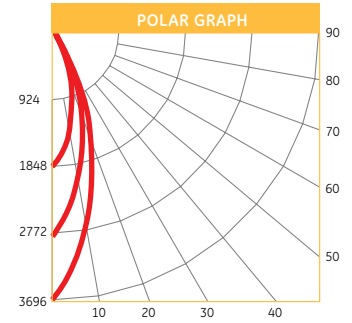
Spacing Criteria: DI4R - Wide = 1.14

Photometric Data: Lumination™ LDX Series

LDX6R Narrow Distribution

RC	COEFFICIENTS OF UTILIZATION																				
	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	95	95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85			
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	81			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76			
6	92	85	79	76	91	84	79	75	82	78	75	81	77	74	80	77	74	73			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	70	69			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	62	68	64	61	60			

NOTE: Floor Cavity Reflectance: 20%

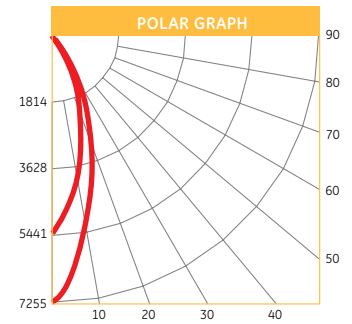


Candlepower Summary

Angle	NOMINAL MODULE LUMENS				
	1000	1500	2000	3000	4000
0	1841	2717	3682	5523	7227
5	1698	2507	3397	5095	6668
10	1389	2050	2777	4166	5452
15	1101	1625	2202	3303	4323
20	833	1229	1665	2498	3268
25	601	887	1202	1803	2359
30	347	512	694	1041	1362
35	148	218	295	443	580
40	56	83	113	169	222
45	17	26	35	52	68
50	9	14	18	27	36
55	5	8	11	16	21
60	3	5	7	10	14

Zonal Lumen Summary

Zone	NOMINAL MODULE LUMENS					% of Fixture
	1000	1500	2000	3000	4000	
0-30°	716	1057	1432	2148	2811	85.7
0-40°	812	1198	1623	2435	3186	97.2
0-60°	832	1227	1663	2495	3264	99.6
0-90°	835	1232	1670	2505	3278	100



Cone of Light

Height	NOMINAL MODULE LUMENS					
	1000	1500	2000	3000	4000	Dia. (ft.)
6'	51	75	102	153	201	3.9
8'	29	42	58	86	113	5.2
10'	18	27	37	55	72	6.5
12'	13	19	26	38	50	7.8
14'	9	14	19	28	37	9.1
16'	7	11	14	22	28	10.4
18'	6	8	11	17	22	11.7
20'	5	7	9	14	18	13.0

Application Reference (Open Space)

Spacing	NOMINAL MODULE LUMENS									
	1000		1500		2000		3000		4000	
	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²
4' x 4'	53.6	1.08	79.0	1.50	107.1	1.92	141.5	2.58	185.1	3.36
6' x 6'	25.0	0.50	36.9	0.70	50.0	0.90	66.0	1.20	86.4	1.57
8' x 8'	13.4	0.27	19.8	0.38	26.8	0.48	35.4	0.65	46.3	0.84
10' x 10'	8.9	0.18	13.1	0.25	17.8	0.32	23.6	0.43	30.8	0.56
10' ceiling, Open Space: 50' x 40' x 10'						20' ceiling, Open Space 50' x 40' x 20'				

LLF: 1.0 Initial, 80/50/20 Reflectances, 2.5' workplace

Application Reference (Corridor)

Spacing	NOMINAL MODULE LUMENS									
	1000		1500		2000		3000		4000	
	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²
4' on ctr.	25.8	0.75	38.1	1.04	51.6	1.33	55.2	1.79	72.2	2.33
6' on ctr.	17.6	0.51	25.9	0.71	35.1	0.91	37.5	1.22	49.1	1.59
8' on ctr.	12.4	0.36	18.3	0.50	24.8	0.64	26.4	0.86	34.5	1.12
10' on ctr.	10.3	0.30	15.2	0.42	20.6	0.53	22.1	0.72	28.9	0.93
10' ceiling, Corridor: 6'W x 100'L						20' ceiling, Corridor 6'W x 100'L				

LLF: 1.0 Initial, 80/50/20 Reflectances, Light levels on the ground

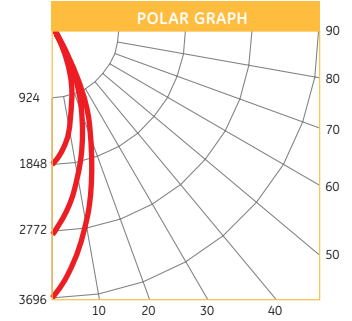
Spacing Criteria: DI6R - Narrow = 0.58

Photometric Data: Lumination™ LDX Series

LDX6R Wide Distribution

COEFFICIENTS OF UTILIZATION																					
RC	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	108	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	82			
4	98	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73			
6	89	81	75	71	88	80	75	71	79	74	71	77	73	70	76	72	70	68			
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64			
8	82	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61			
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57			
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54			

NOTE: Floor Cavity Reflectance: 20%

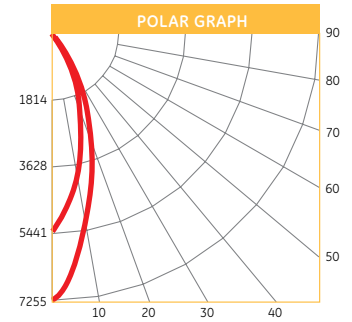


Candlepower Summary

Angle	NOMINAL MODULE LUMENS				
	1000	1500	2000	3000	4000
0	1088	1606	2177	3265	4273
5	1067	1574	2133	3200	4188
10	1007	1486	2014	3021	3953
15	925	1366	1850	2776	3632
20	818	1207	1636	2453	3211
25	670	989	1340	2010	2630
30	433	639	866	1299	1699
35	213	314	426	639	836
40	94	139	188	282	368
45	37	55	74	111	145
50	19	29	39	58	76
55	11	16	22	33	43
60	6	9	13	19	25

Zonal Lumen Summary

Zone	NOMINAL MODULE LUMENS					% of Fixture
	1000	1500	2000	3000	4000	
0-30°	651	961	1302	1953	2556	78.9
0-40°	782	1153	1563	2345	3068	94.8
0-60°	820	1210	1640	2460	3219	99.4
0-90°	825	1218	1650	2475	3239	100



Cone of Light

Height	NOMINAL MODULE LUMENS					Dia. (ft.)
	1000	1500	2000	3000	4000	
6'	30	45	60	91	119	6.2
8'	17	25	34	51	67	8.2
10'	11	16	22	33	43	10.3
12'	8	11	15	23	30	12.3
14'	6	8	11	17	22	14.4
16'	4	6	9	13	17	16.4
18'	3	5	7	10	13	18.5
20'	3	4	5	8	11	20.6

Application Reference (Open Space)

Spacing	NOMINAL MODULE LUMENS									
	1000		1500		2000		3000		4000	
	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²
4' x 4'	52.4	1.08	77.3	1.50	104.7	1.92	135.9	2.58	177.8	3.36
6' x 6'	24.5	0.50	36.1	0.70	48.9	0.90	63.5	1.20	83.0	1.57
8' x 8'	13.1	0.27	19.3	0.38	26.2	0.48	34.1	0.65	44.6	0.84
10' x 10'	8.8	0.18	12.9	0.25	17.5	0.32	22.7	0.43	29.6	0.56

10' ceiling. Open Space: 50' x 40' x 10'
20' ceiling. Open Space 50' x 40' x 20'

LLF: 1.0 Initial, 80/50/20 Reflectances, 2.5' workplace

Application Reference (Corridor)

Spacing	NOMINAL MODULE LUMENS									
	1000		1500		2000		3000		4000	
	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²	Avg. fc	W/ft²
4' on ctr.	23.9	0.75	35.2	1.04	47.7	1.33	48.0	1.79	62.8	2.33
6' on ctr.	16.2	0.51	23.9	0.71	32.4	0.91	32.6	1.22	42.6	1.59
8' on ctr.	11.5	0.36	16.9	0.50	22.9	0.64	23.0	0.86	30.0	1.12
10' on ctr.	9.6	0.30	14.1	0.42	19.1	0.53	19.2	0.72	25.1	0.93

10' ceiling. Corridor: 6'W x 100'L
20' ceiling. Corridor 6' W x 100'L

LLF: 1.0 Initial, 80/50/20 Reflectances, Light levels on the ground

Spacing Criteria: DI6R - Narrow = 0.58

Photometric Data: Lumination™ LDX Series

LDX6R Very Wide Distribution

COEFFICIENTS OF UTILIZATION																					
RC	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			
2	106	101	96	93	104	99	95	92	96	92	89	93	90	88	90	88	86	84			
3	100	93	87	82	98	91	86	82	89	84	81	86	82	79	84	81	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65	63			
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58			
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	54	53			
8	73	62	56	51	72	62	55	51	61	55	51	60	54	50	58	54	50	49			
9	69	58	51	47	68	58	51	47	57	51	47	56	50	46	55	50	46	45			
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41			

Typical Specification: Lumination™ LDX Series

LED & Optical Assembly

LDX Module: Replaceable, interchangeable light engine module affords ability to change CCT in the field. Glare-reducing polycarbonate engineered diffuser enhances ceiling aesthetics while maximizing efficiency

	STANDARD	TRIGAIN	INFUSION
CRI	82	90	90
R9	5	96	92

Color Consistency: 4-Step MacAdam Ellipse

Rated Lumen Depreciation:

Standard L85 = 50,000 hrs

TriGain™ L70 = 60,000 hrs

TM-21 Calculation at 25C:

Standard calculated L90 = 49,000 hours

Standard calculated L70 = 125,000 hours

Electrical

Input Voltage: 120V, 277V or 347V

Input Frequency: 50/60Hz

System Power Factor (PF): >0.9*

Total Harmonic Distortion (THD): <20%*

LED Driver Type: Class 2

Forward Voltage (Vf) Range: 36 VDC

* PF and THD may vary with options

Ratings & Evaluations

Operating Temperature: -20°C to +35°C

Storage Temperature: -40°C to +70°C

Surge Protection: ANSI C82.77 Compliant

Location: Damp Rated

Safety: UL/cUL Listed Non-IC  

Environmental: RoHS compliant

Construction & Finish

Housing: Galvanized steel and aluminum

Lensing: Safe wet rated lenses are tempered glass designed to resist shattering, breaking, & chipping even under turbulence.

Perfect for shower/bathroom applications

Paint: Powdercoat painted reflector options

Weight: 7.0 lbs. (3.2kg) Standard Option

Controls

Standard Dimming: 0-10VDC [ANSI C137.x] compliant

Minimum Dimming: Standard 0-10V dims down to 10%

Phase Dimming: 120V forward-phase dimming driver options available (dims to 10%)

Wireless Networking & Sensing: ZigBee Wireless Daintree enabled with No Sensor – Controls option “TQ”

Mounting

Typical Mounting: Hanger bars (BH3 - 94890) for T-grid

Wiring Access: ½” trade-size KOs on a removable access plate provided

Accessories & Options

Optional Chicago Plenum: Openings in recessed fixture sealed per requirements for CCEA.

Reflector Options

Safe Wet Rated: Lensed reflectors certified by UL for Wet Rating location. Lensed glass is secured by internal flange and sealed with silicone gasket, to seal interior from contaminants and water

Frosted Drop-Ring: Accents ceiling with decorative frosted ring adding an elegant option for lighting design

Trimless: Allows for seamless, clean ceiling look

Design Life & Warranty

Reliability Testing: Components and/or systems evaluation at extreme conditions such as extended exposure to high temperature and high humidity and monitored during production using GE best-in-class six sigma quality controls.

System Warranty: 5 Year

Luminaire Design Lifetime: 5 Years

Driver Design Lifetime: 5 Years

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