

Lumination™ LED Luminaires

LED Architectural Downlight
DI 6" Round Wall Wash Series



Project name _____

Date _____

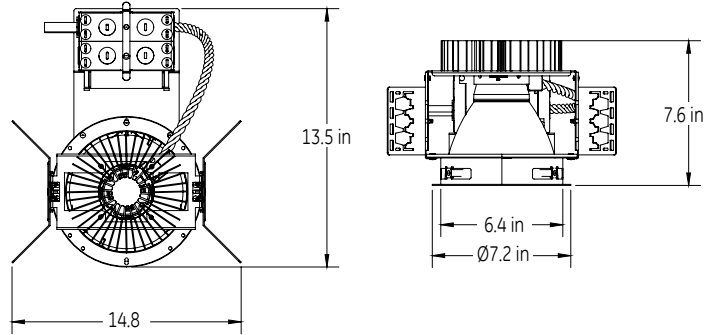
Type _____

Product Description:

Lumination™ DI Series LED downlights are designed for exceptional efficacy and color rendering. Custom engineered wall wash reflectors optimize uniformity horizontally on the wall. The DI6R wall wash is available in four color temperatures and five lumen packages, all with 90+ CRI.

Product Dimensions:

DI6R



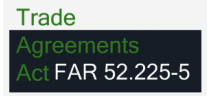
Performance Summary:

- Distribution Patterns:** Wall Wash
- Input Voltage:** 120V, 277V, 347V
- Standard Dimming Controls:** 0-10V or Phase Dimming to 10%
- CCT:** 3500K, 4000K
- CRI:** 90
- Color Consistency:** 4 Step MacAdam Ellipse
- Lifetime Rating:** L85 @ 50,000 hours; TriGain™ L70 @ 60,000 hrs (MLT modules)
- Input Frequency (Hz):** 60Hz
- Power Factor:** >0.9
- Mounting Options:** Hanger bars for grid or drywall ceilings (ordered separately under Accessories)
- Weight:** 6.1 lb
- IC Rating:** Non-IC Rated
- Limited Warranty:** 5 years system
- Files Available:** LM79, LM80, IES, Revit

nominal Module Lumens	1000	1500	2000	3000	4000
Delivered Lumen Output	870	1290	1750	2620	3426
System Input Power (W)	14	20	25	38	51
System Efficacy (LPW)	62	66	70	69	67
Emergency Mode Lumens	630	630	630	630	630

Daintree driver adds 1.4 Watts to System Input Power (W).

Listings: • UL and cUL Listed.
• Suitable for damp locations.



Ordering Information: A complete fixture consists of a Housing + Reflector

1. Housing + Module

LUMINAIRE SKU							
INTERNAL CODE	FIXTURE TYPE	MODULE LUMEN OUTPUT	CRI/CCT	VOLTAGE	DRIVER	OPTIONS	GENERATION
DI	6R = 6" Round Downlight	10 = 1000 LM* 15 = 1500 LM* 20 = 2000 LM* 30 = 3000 LM* 40 = 4000 LM*	935 = 90CRI, 3500K 940 = 90CRI, 4000K	1V = 120V 2V ^a = 277V 3V = 347V	10 = 0-10V Dimming Driver PH ^b = Phase Dimming TQ ^{a,6,9} = Daintree	(blank) = None EL ^{4,5} = Emergency Light (only available with 0-10 dimming) H = CCEA Chicago Plenum	(blank) = None g2 = Gen 2 fixture* *NOTE: 1000lm, 2000lm, 4000lm with 4000K must order G2 Option 3000lm is (blank).

*NOTE: 1000lm, 2000lm, 4000lm with 3500K must order G2 option.

2. Reflector

REFLECTOR SKU						
REFLECTOR	HOUSING TYPE	BEAM SPREAD	REFLECTOR FINISH	REFLECTOR COLOR	FLANGE FINISH	LENS OPTIONS
R = Reflector	DI6R = 6" Round	WW = Wall Wash	SD = Semi-diffused DF = Diffused SP = Specular PT = Painted	(blank) = Clear (no color) WE ¹ = Wheat PW ¹ = Pewter gO ¹ = Gold BL ² = Black WT ³ = White Paint	WT = White Paint Reflector MR = Match Reflector	(blank) = No Lens

Ordering notes:

- Wheat, pewter, and gold anodized reflector colors available in SD = Semi-Diffused reflector finish only. Contact factory representative for quote.
- Black anodized reflectors available in DF = Diffused finish only. Contact factory representative for quote.
- White painted reflectors only available in PT = Painted reflector finish and WT = White Paint flange finish.
- The 277V input, 1000lm version, and Daintree, and all EL options are not Energy Star certified.
- EL option not available with 347V input voltage, phase dimming, Daintree, and G2 options.
- Contact manufacturer representative for quote.
- Contact manufacturer representative for quote.
- Phase dimming only available with 1000, 1500, and 2000 lumen packages, and is not available on any G2 options. Only available for 120V.
- Daintree driver adds 1.4 Watts to System Input Power (W)

current
powered by GE



Housing-only option

Lumination™ DI series fixtures without LED modules are stocked in GE distribution centers for quick shipment. These fixtures can be shipped directly to job sites for rough-in, and then later fitted with the appropriate LED module and trim kit to complete the installation.

With the Housing-Only option, distributors can:

- Order just the housings for stock, and then complete the order with the appropriate LED module and reflector at a later date
- Order the stocked housing, module, and reflector all at once for a complete fixture in under 2 weeks

For the housing-only option: A complete fixture consists of a **Housing + LED Module + Reflector**



6" Round Housing-Only Fixtures & LED Modules



QUICKSHIP available on selected products.
Contact factory representative for complete listing.

Downlight Housing-Only			Compatible LED Modules		
PRODUCT CODE	DESCRIPTION CODE	PRODUCT DESCRIPTION	PRODUCT CODE	DESCRIPTION CODE	PRODUCT DESCRIPTION
93079196 93079197	DI6RLL101V10HOG2 DI6RLL102V10HOG2	6" Round Housing-Only, 120V, 1000lm, 0-10V Gen2 6" Round Housing-Only, 277V, 1000lm, 0-10V Gen2	93064853 93064854	MLT35A MLT40A	1000lm, 90 CRI, 3500K 1000lm, 90 CRI, 4000K
93079186 93079187	DI6RLL11V10HO DI6RLL2V10HO	6" Round Housing-Only, 120V, 1500lm, 0-10V 6" Round Housing-Only, 277V, 1500lm, 0-10V	19485 93115560	DLM1500/935 DLM1500/940/G3	1500 LM, 90 CRI, 3500K 1500 LM, 90 CRI, 4000K
93104623 93104624	DI6RLL151V10ELHOG2 DI6RLL152V10ELHOG2	6" Round Housing-Only, 120V, 1500lm, Gen2, EL option 6" Round Housing-Only, 277V, 1500lm, Gen2, EL option	93064853 93064854	MLT35A MLT40A	1500 LM, 90 CRI, 3500K 1500 LM, 90 CRI, 4000K
93079200 93079201	DI6RLL201V10HOG2 DI6RLL202V10HOG2	6" Round Housing-Only, 120V, 2000lm, 0-10V Gen2 6" Round Housing-Only, 277V, 2000lm, 0-10V Gen2	93064853 93064854	MLT35A MLT40A	2000 LM, 90 CRI, 3500K 2000 LM, 90 CRI, 4000K
83633 83638	DI6RHL1V10HO DI6RHL2V10HO	6" Round Housing-Only, 120V, 3000lm, 0-10V 6" Round-Housing-Only, 277V, 3000lm, 0-10V	19595 34178	DLM3000/935 DLM3000/940	3000 LM, 90 CRI, 3500K 3000 LM, 90 CRI, 4000K
93103511 93103512	DI6RHL401V10HOG2 DI6RHL402V10HOG2	6" Round Housing-Only, 120V, 4000lm, 0-10V Gen2 6" Round Housing-Only, 277V, 4000lm, 0-10V Gen2	93104259 93104260	MH935A MH940A	4000 LM, 90 CRI, 3500K 4000 LM, 90 CRI, 4000K

6" Round Wall Wash Stocked Reflectors

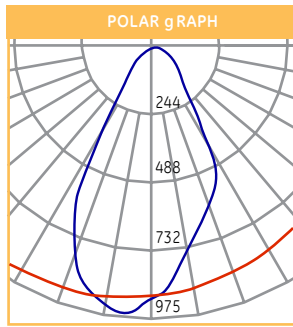
MATERIAL	MATERIAL DESCRIPTION	PRODUCT DESCRIPTION
16181 16182	RDI6RWWSDMR RDI6RWWSDWT	6" Wall Wash Round Reflector, Wide Distribution, Semi-Diffuse, Polished Flange 6" Wall Wash Round Reflector, Wide Distribution, Semi-Diffuse, White Flange

Accessories (ordered separately)

PRODUCT DESCRIPTION	MATERIAL DESCRIPTION	MATERIAL
ENLIGHTENED SENSOR KIT	LCACBAVQUNGALV	93029451
DAINTREE SENSOR KIT	LCACBAVTQUNGALV	93057194
HANGER BAR, C-CHANNEL - 25 1/4" (BOXED PAIR)	BH3	93110306

Photometric Data: Lumination™ DI6R Wall Wash Series Downlights

1000 Lumen LED Module



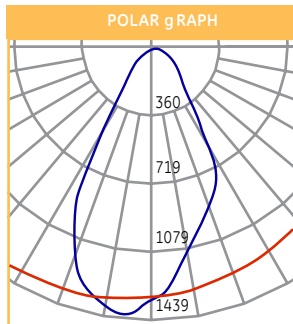
Candlepower Summary

Angle	Candela	Zone Lumens
0	621	
5	652	
10	647	57
20	546	149
30	232	175
40	30	90
50	5	40
60	4	25
70	2	10
80	0	1
90	0	-

Multiple unit Foot-Candles

Distance from ceiling in feet	2' from wall						3' from wall					
	2'			3'			3'			4'		
	1	2	3	1	2	3	1	2	3	1	2	3
1	18	18	18	13	12	13	5	5	5	4	4	4
2	24	24	24	17	16	17	10	10	10	8	8	8
3	22	22	22	16	16	16	11	11	11	9	9	9
4	19	20	19	14	14	14	11	11	11	9	8	9
5	15	16	15	12	12	12	10	11	10	8	8	8
6	12	13	12	10	10	10	9	10	9	7	8	7
7	10	10	10	8	8	8	8	9	8	7	7	7
8	8	8	8	6	6	6	7	8	7	6	7	6
9	7	7	7	6	6	6	7	7	7	6	6	6
10	6	6	6	5	5	5	6	6	6	5	5	5

1500 Lumen LED Module



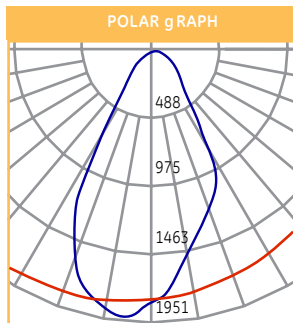
Candlepower Summary

Angle	Candela	Zone Lumens
0	927	
5	973	
10	966	85
20	815	223
30	346	261
40	44	134
50	8	59
60	6	38
70	2	15
80	0	2
90	0	-

Multiple unit Foot-Candles

Distance from ceiling in feet	2' from wall						3' from wall					
	2'			3'			3'			4'		
	1	2	3	1	2	3	1	2	3	1	2	3
1	26	27	26	19	17	19	7	7	7	6	5	6
2	35	36	35	25	24	25	15	15	15	12	11	12
3	32	33	32	24	23	24	17	17	17	13	13	13
4	28	29	28	21	21	21	16	16	16	13	13	13
5	23	24	23	17	18	17	15	16	15	12	12	12
6	18	19	18	14	14	14	14	14	14	11	12	11
7	14	15	14	11	12	11	13	13	13	10	10	10
8	11	12	11	10	10	10	11	11	11	9	9	9
9	10	10	10	8	8	8	10	10	10	8	8	8
10	9	9	9	8	8	8	9	9	9	8	8	8

2000 Lumen LED Module



Candlepower Summary

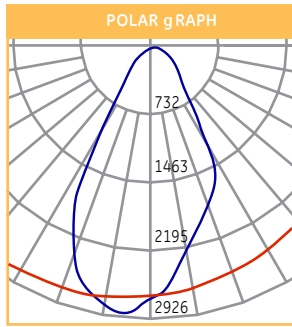
Angle	Candela	Zone Lumens
0	927	
5	973	
10	966	85
20	815	223
30	346	261
40	44	134
50	8	59
60	6	38
70	2	15
80	0	2
90	0	-

Multiple unit Foot-Candles

Distance from ceiling in feet	2' from wall						3' from wall					
	2'			3'			3'			4'		
	1	2	3	1	2	3	1	2	3	1	2	3
1	36	36	36	26	24	26	10	9	10	8	7	8
2	47	48	47	34	33	34	20	20	20	16	16	16
3	43	45	43	33	31	33	23	23	23	18	18	18
4	38	40	38	28	29	28	22	22	22	18	17	18
5	31	32	31	23	24	23	21	21	21	17	17	17
6	24	26	24	19	19	19	19	20	19	15	16	15
7	20	21	20	16	16	16	17	18	17	14	14	14
8	16	17	16	13	13	13	15	16	15	13	13	13
9	13	14	13	11	12	11	13	14	13	11	12	11
10	12	12	12	10	11	10	12	13	12	10	11	10

Photometric Data: Lumination™ DI6R Wall Wash Series Downlights

3000 Lumen LED Module



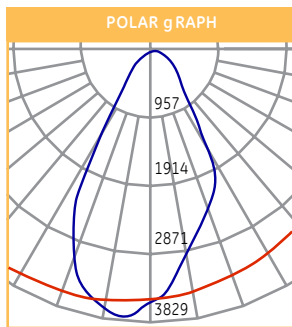
Candlepower Summary

Angle	Candela	Zone Lumens
0	927	
5	973	
10	966	85
20	815	223
30	346	261
40	44	134
50	8	59
60	6	38
70	2	15
80	0	2
90	0	-

Multiple unit Foot-Candles

Distance from ceiling in feet	2' from wall						3' from wall					
	2'		3'		3'		3'		4'			
	1	2	1	2	1	2	1	2	1	2	1	2
1	54	54	54	40	36	40	14	14	14	12	11	12
2	72	72	72	51	49	51	30	31	30	24	23	24
3	65	67	65	48	47	48	34	35	34	27	27	27
4	58	60	58	42	43	42	32	33	32	27	26	27
5	47	49	47	53	36	35	31	32	31	25	26	25
6	37	38	37	29	29	29	29	30	29	23	24	23
7	29	31	29	24	24	24	26	26	26	21	22	21
8	24	24	24	20	20	20	23	23	23	19	19	19
9	20	21	20	17	18	17	20	21	20	17	17	17
10	18	19	18	15	16	15	18	19	18	16	16	16

4000 Lumen LED Module



Candlepower Summary

Angle	Candela	Zone Lumens
0	927	
5	973	
10	966	85
20	815	223
30	346	261
40	44	134
50	8	59
60	6	38
70	2	15
80	0	2
90	0	-

Multiple unit Foot-Candles

Distance from ceiling in feet	2' from wall						3' from wall					
	2'		3'		3'		3'		4'			
	1	2	1	2	1	2	1	2	1	2	1	2
1	70	72	70	51	46	51	19	19	19	16	14	16
2	93	95	93	67	64	67	40	40	40	32	31	32
3	85	88	85	64	61	64	44	45	44	36	35	36
4	75	78	75	56	57	56	42	43	42	35	34	35
5	61	63	61	46	48	46	40	42	40	33	33	33
6	47	50	47	37	38	37	38	39	38	30	31	30
7	38	40	38	31	32	31	34	35	34	27	28	27
8	31	32	31	26	27	26	30	31	30	25	25	25
9	26	27	26	22	23	22	26	27	26	22	22	22
10	23	24	23	20	22	20	24	25	24	21	21	21

Product Specifications:

Ratings:

- Operating temperature: -20°C to +35°C
- Storage temperature: -40°C to +70°C
- Surge protection: ANSI C82.77-5 compliant
- Environmental: RoHS compliant

Construction:

- 16 gauge galvanized steel housing
- 0.032" thick ribs resist dents during transportation and installation
- Custom engineered heat sinks for passive cooling at all lumen options
- Galvanized steel junction box with multiple 1/2" trade-size knockouts

Installation:

- Universal mounting brackets with over 3" of vertical adjustment accommodate several types of hanger bars
- Accommodates ceilings up to 1.5" thick
- Mount in T-bar grid or drywall ceilings
- LED module twists in at time of trim installation, preventing damage to module during ceiling installation. Refer to Installation Guide for proper installation procedures if self-installing.

Optical System:

- Custom engineered reflectors for precise beam distributions and 45° cutoff to light source and source image
- Self-flanged design with white painted or reflector-matching trim
- Standard semi-diffuse finish for ideal combination of optical efficiency and low glare

Electrical System:

- Class 2 LED Drivers
- ILED module for exceptional performance and tool-free upgradeability
- Standard 0-10V dimming, high efficiency drivers
- Thermal protection feature in module protects LEDs from overheating in abnormal conditions
- Wireless networking & sensing: ZigBee Wireless Daintree-enabled with no sensor - Controls Option TQ

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