

GD4WS / ISW400

4" Gravity LED Square Wall Wash

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA: (Data Based On 3000K/82CRI Configuration)

LED Light Engine	Nominal Delivered Lumens*	System Wattage**	Efficacy	LED Light Engine	Nominal Delivered Lumens*	System Wattage**	Efficacy
L1	1200lm	19W	63 lm/W	L4	2600lm	46W	57 lm/W
L2	1400lm	24W	58 lm/W	L5	2900lm	56W	52 lm/W
L3	2000lm	34W	59 lm/W				

* Delivered lumen output will vary depending on CCT, CRI, optic and reflector finish. | ** System Wattage include driver and LED Module consumption.

FEATURES

- High performance wall wash provides even illumination
- Fixed collar accepts up to 1 1/4" ceiling via hanger bar notches

LED LIGHT ENGINE

- 82/92 CRI at 2700K, 3000K, 3500K, & 4000K
- 2 Step MacAdam (2 SDCM)
- Rated life of >50,000 hours L70 based on LED testing per LM-80-08 and projected values using IESNA TM21-11

DIMMING

- Phase Dimming 120V only, Forward 1% / Reverse 5%
- 0-10V Dimming 1%
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- DMX512 RDM 0.1%

FRAME CONSTRUCTION

Constructed from 16 and 18 gauge heavy duty powder coated cold rolled steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

ELECTRICAL SYSTEM

- 120V/277V Power factor >.9, 50/60Hz (347V available, consult factory for options.)
- This product complies with IEEE C62.41 for surge endurance up to 2.5KV. Additional surge protection recommended. Damage from power surge is not covered by warranty.

REFLECTOR

Subtle diffuse spread lens provides uniform illumination and distribution. Specification grade reflector with 1.5mm thickness. Reflector available in haze, white, clear or black finish. Consult factory for other colors. Architectural, discrete polished self flange standard. Optional painted white flange is available.

INSTALLATION

The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Accommodates ceiling thickness from 1/2" to 1 1/4". Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Max. ambient temperature: 95°F (35°C).

EMERGENCY BACKUP

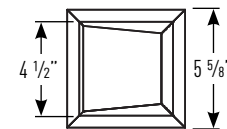
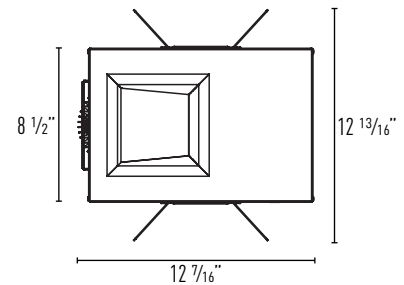
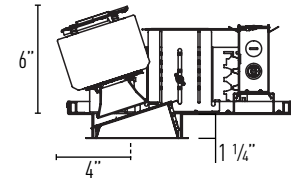
Emergency driver operates LED load of up to 7 Watts at a nominal 650 lumens for a minimum of 90 minutes.

LISTING / WARRANTY

- ETL Listed to US and Canadian standards for damp locations
- 5-Year Intense LED Limited Warranty



GRAVITY™



Ceiling Cut Out: 5 1/4" x 5 1/4"

Maximum Ceiling Thickness: 1 1/4"

Minimum Ceiling Thickness: 1/2"

Housing Part Number: (Example: GD4WSL230-D101EM7)

Housing	Wattage	CCT / CRI	Dimming	Voltage	Options
GD4WS	L1 (19W)	27 (2700K / 82 CRI)	-DIM ¹ (Phase Dimming)	blank (120V)	EM7 (7W Emergency Backup IOTA part #ILB-CP07-A)
	L2 (24W)	279 (2700K / 92 CRI)	-D101 (0-10V Dimming 1%)	27 (277V)	
	L3 (34W)	30 (3000K / 82 CRI)	-ED10V1 (eldoLED 0-10V 1%)	34 ² (347V)	EM20 (20W Emergency Backup w/ Remote Test Switch IOTA ILB-CP20-HE-S)
	L4 (46W)	309 (3000K / 92 CRI)	-ED10V01 (eldoLED 0-10V 0.1%)		
	L5 (56W)	35 (3500K / 82 CRI)	-LUT (Lutron® LDE1 EcoSystem 1%)		
		359 (3500K / 92 CRI)	-DMXR (DMX512 RDM 0.1%)		
		40 (4000K / 82 CRI)			
		409 (4000K / 92 CRI)			

Reflector Part Number: (Example: ISW400HZ-SF)

Reflector	Reflector Finish	Trim
ISW400	HZ (Haze)	-SF (Self Flanged)
	W (White)	-SFW ³ (Self Flanged White)
	C (Clear)	
	B ² (Black)	

Accessories

- I100 (C-Channel Bar Hangers)
- I200 (Flat Bar Hangers)
- I400 (Wood Joist Bar Hangers)

Notes:

- Available in 120V only; not available with L9
- Consult factory for lead times
- Self Flanged White (-SFW) not available with White or Black Reflector Finish

GD4WS / ISW400

4" Gravity LED Square Wall Wash

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

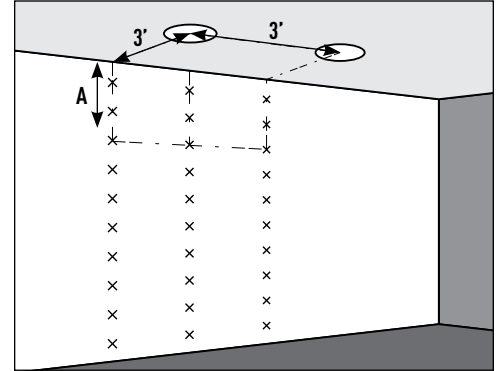
GD4WSL130 / IRW400HZ

Report #: ILL-06202016-01.4
 Reflector Finish: Haze
 Luminaire Watts: 19W
 Luminaire Lumens: 1154lm
 Lumens Per Watt: 61
 Color Temperature: 3000K
 Color Rendering Index: 82

Emergency Multipliers:
 7W Emergency (x 0.60)
 20W Emergency (x 1.66)

(A) Distance From Ceiling	3' From Wall On 3' Centers	3' From Wall On 4' Centers	4' From Wall On 4' Centers
	□ 3' □	□ 4' □	□ 4' □
1'	9 8 9	8 5 8	2 2 2
2'	28 27 28	23 19 23	11 11 11
3'	31 31 31	24 23 24	17 17 17
4'	25 25 25	20 20 20	17 17 17
5'	19 19 19	15 15 15	15 15 15
6'	14 15 14	12 12 12	12 13 12
7'	11 11 11	9 9 9	10 10 10
8'	8 8 8	7 7 7	8 8 8
9'	6 6 6	5 6 5	6 7 6
10'	5 5 5	4 4 4	5 5 5

Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 9fc beneath units and 11fc between units



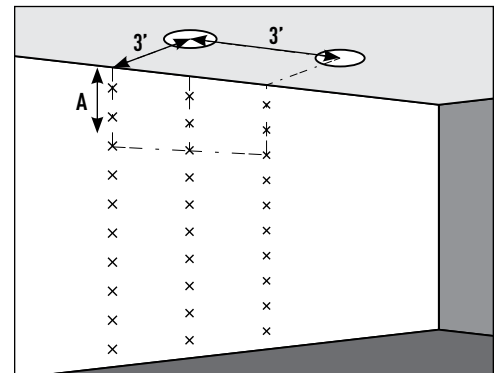
GD4WSL230 / IRW400HZ

Report #: ILL-06202016-01.3
 Reflector Finish: Haze
 Luminaire Watts: 24W
 Luminaire Lumens: 1432lm
 Lumens Per Watt: 60
 Color Temperature: 3000K
 Color Rendering Index: 82

Emergency Multipliers:
 7W Emergency (x 0.30)
 20W Emergency (x 0.83)

(A) Distance From Ceiling	3' From Wall On 3' Centers	3' From Wall On 4' Centers	4' From Wall On 4' Centers
	□ 3' □	□ 4' □	□ 4' □
1'	11 10 11	9 6 9	3 2 3
2'	35 34 35	28 23 28	14 13 14
3'	38 38 38	30 29 30	21 21 21
4'	31 32 31	24 24 24	21 22 21
5'	24 24 24	19 19 19	19 19 19
6'	18 18 18	14 15 14	15 16 15
7'	13 14 13	11 11 11	12 13 12
8'	10 10 10	9 9 9	10 10 10
9'	8 8 8	7 7 7	8 8 8
10'	6 6 6	5 5 5	7 7 7

Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 18fc beneath units and 22fc between units



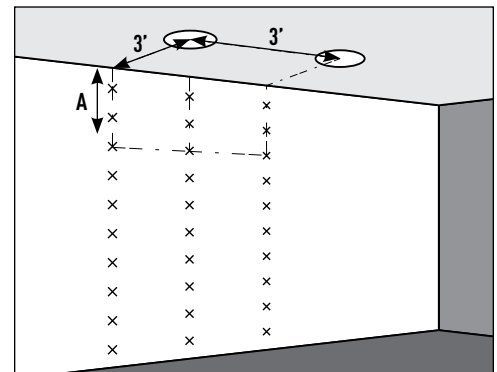
GD4WSL330 / IRW400HZ

Report #: ILL-06202016-01.2
 Reflector Finish: Haze
 Luminaire Watts: 34W
 Luminaire Lumens: 2016lm
 Lumens Per Watt: 59
 Color Temperature: 3000K
 Color Rendering Index: 82

Emergency Multipliers:
 7W Emergency (x 0.21)
 20W Emergency (x 0.59)

(A) Distance From Ceiling	3' From Wall On 3' Centers	3' From Wall On 4' Centers	4' From Wall On 4' Centers
	□ 3' □	□ 4' □	□ 4' □
1'	15 13 15	13 8 13	4 3 4
2'	49 48 49	40 32 40	19 18 19
3'	54 54 54	42 40 42	30 29 30
4'	44 44 44	34 34 34	30 30 30
5'	33 34 33	27 27 27	26 27 26
6'	25 25 25	20 21 20	22 22 22
7'	19 19 19	16 16 16	18 18 18
8'	14 14 14	12 12 12	14 14 14
9'	11 11 11	9 10 9	11 12 11
10'	8 9 8	7 8 7	9 9 9

Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 26fc beneath units and 31fc between units



CCT / CRI Multipliers: 2700K / 82 CRI (x 0.93); 2700K / 92 CRI (x 0.74); 3000K / 82 CRI (x 1.00); 3000K / 92 CRI (x 0.79); 3500K / 82 CRI (x 1.03); 4000K / 82 CRI (x 1.04)

GD4WS / ISW400

4" Gravity LED Square Wall Wash

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

GD4WSL430 / IRW400HZ

Report #: ILL-06202016-01.1

Reflector Finish: Haze

Luminaire Watts: 46W

Luminaire Lumens: 2586lm

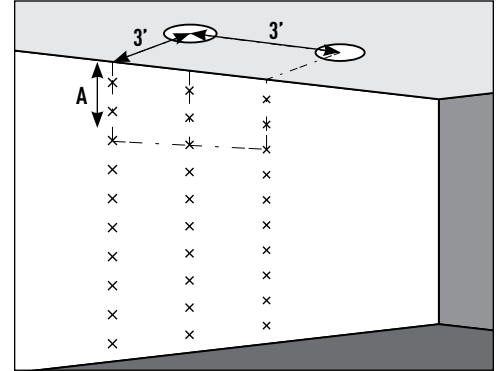
Lumens Per Watt: 56

Color Temperature: 3000K

Color Rendering Index: 82

(A) Distance From Ceiling	3' From Wall On 3' Centers	3' From Wall On 4' Centers	4' From Wall On 4' Centers
1'	19 17 19	17 11 17	5 4 5
2'	62 61 62	51 41 51	25 24 25
3'	69 69 69	54 51 54	38 38 38
4'	57 57 57	44 44 44	39 39 39
5'	43 44 43	34 34 34	34 34 34
6'	32 33 32	26 26 26	28 28 28
7'	24 24 24	20 20 20	22 23 22
8'	18 19 18	15 16 15	18 18 18
9'	14 14 14	12 12 12	14 15 14
10'	11 11 11	10 10 10	12 12 12

Example: Two luminaires located 3' from wall and spaced 3' on center, the illumination on the wall 3' down from ceiling will be 34fc beneath units and 41fc between units



CCT / CRI Multipliers: 2700K / 82 CRI (x 0.93); 2700K / 92 CRI (x 0.74); 3000K / 82 CRI (x 1.00); 3000K / 92 CRI (x 0.79); 3500K / 82 CRI (x 1.03); 4000K / 82 CRI (x 1.04)