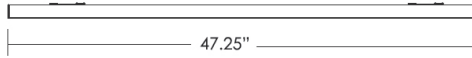
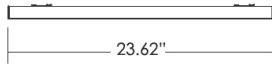
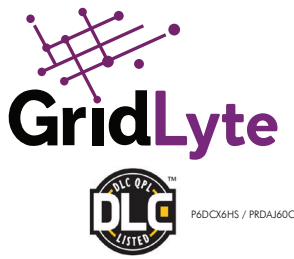


PROJECT NAME: _____ DATE: _____
 CATALOG#: _____ TYPE: _____

DCG 3,4,5 GridLyte Pro (15W/30W)



HOUSING: Continuous 6063-T5 extruded aluminum profile available in 1" profiles wide and 23 5/8" & 47 1/2" standard lengths. For custom lengths see Dalume's GridLyte Spec series. LEED compliant. 65% recycled materials. 120/277V, or 347V input, TRIAC, ELV, 0-10V dimming protocols options.

GRID MOUNTING: Universal mounting to acoustic 9/16", 15/16" T-Bar Grid systems with low profile 1mm spring metal clips for Square Edge panels. Optional Clips for Screw-slot grid (TS), Tegular Edge panels (TE), Surface/Di

INDIVIDUAL REMOTE POWER SUPPLY: 120-277V, or 347V input, ELV (Electronic Low Voltage), TRIAC Dimming or 0-10V Protocol (1% Dim or Dim to Off.), 0-10V protocols. Surface mount remote electrical enclosure clips onto Grid with (2) 3/4" knockouts & removable access plate for maintenance. Branch-thru wiring with In/Out wiring terminals for clean and easy installation. Recommended 15' or less distance to luminaire w/16 AWG wire. See Power Source Specifications.

SHIELDING/OPTICS: LED lumen delivered up to 3672lm with quality binned 80+CRI and multiple Color Temperature options. LED chips are protected from the dust and moisture with either with PVC snap-in or clear focal lens.

DCG3: Asymmetric Frosted Lens 115° Beam for Wall Wash.

DCG4: Symmetric Frosted Lens softens the glare 25-UGR and 110° Beam for General Ambient Areas.

DCG5: White Louver Cell 19-UGR 72° Beam average eye tasks.

DCG5B: Black Louver Cell 16-UGR 72° Beam for accurate eye tasks.

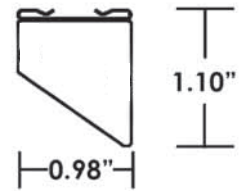
FINISHES: Standard interior white (Smooth Matte: Cardinal WH121/ RAL9003). For custom RAL colors (CC) available, please specify RAL# or Cardinal Paint#.

WEIGHT: 4' Length 3/4 lbs, 2' Length 1/3 lbs

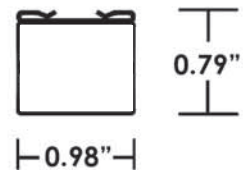
LISTINGS: DLC Listed (DCG3 & DCG4 only).
 c/ETL Listed to UL Standards for damp or dry locations.

Warranty: 5-Year Factory Warranty, see website for details

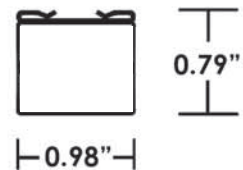
DCG3: Asymmetric Lens Optics



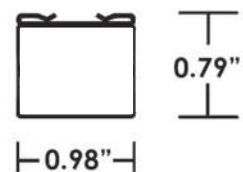
DCG4: Frosted Lens Optics



DCG5: White Louver Cell



DCG5B: Black Louver Cell



Ordering

Example: DCG44-30W35K-UND

ORDERING	LENGTH /WATTAGE ¹	COLOR TEMP	DIMMING DRIVER (Input Voltage)	OPTIONS
DCG3 :Wall Wash	2-15W² :2 Ft. 15W	35K :3500K	-(blank) :Non Dimming (120/277V)	-EM :Emergency
DCG4 :Frosted Lens	4-30W² :4 Ft. 30W	40K :4000K	-ELV :Electronic Low Voltage (120/277V)	-CC :Custom Color
DCG5² :White Louver	For reduced lumen output packages, consult Factory	RGBW* :Color Changing	-TRI :TRIAC Dimming (120V)	-TS :Screw Slot
DCG5B² :Black Louver			-UND :0-10V 1% Dimming (120/277V)	-TE :Tegular Edge
			-UNDF :0-10V Dimming to Off (120/277V)	-SM :Surface / Display Case Mount
			-34V :0-10V Diming (347V)	
			-POE :Power Over Ethernet (Consult Factory)	

*Special Order Item, Consult Factory for Lead-time.

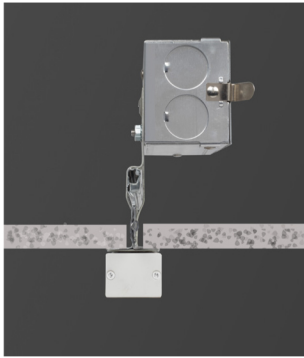
¹For reduced lumen output packages, consult factory.

²DLC Premium Certified (pending approval)

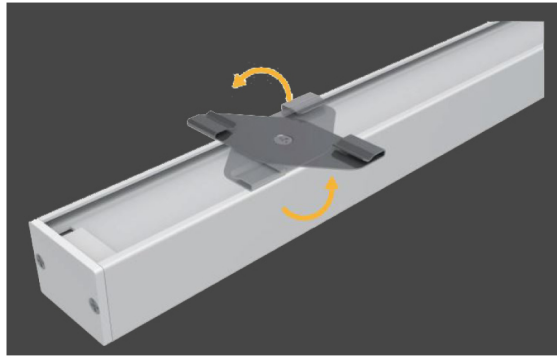
DCG 3,4,5 Grid-Lyte



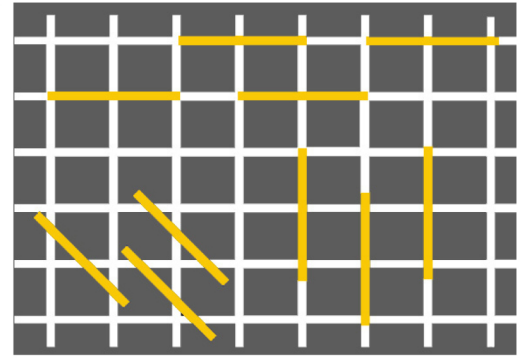
MOUNTING DETAIL:



Individual Remote Power Supply included, JBox is clip mounted above T-Grid with 6" Clearance recommended.



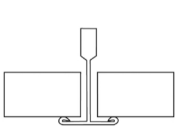
Universal T-Bar Clip can be mounted on main and mini T-Bar without tools.



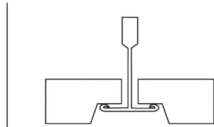
Luminaires can be mounted in various patterns to meet many design schemes.

Ceiling Panel Types:

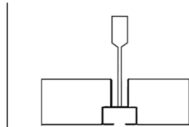
Standard Clips height designed.
 For a gapless appearance with Square Edge ceiling tiles.
 For Tegular Edge Tiles, specify TE.
 For Tegular Edge Tiles, specify TE.



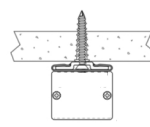
SQUARE EDGE



TEGULAR EDGE (TE)

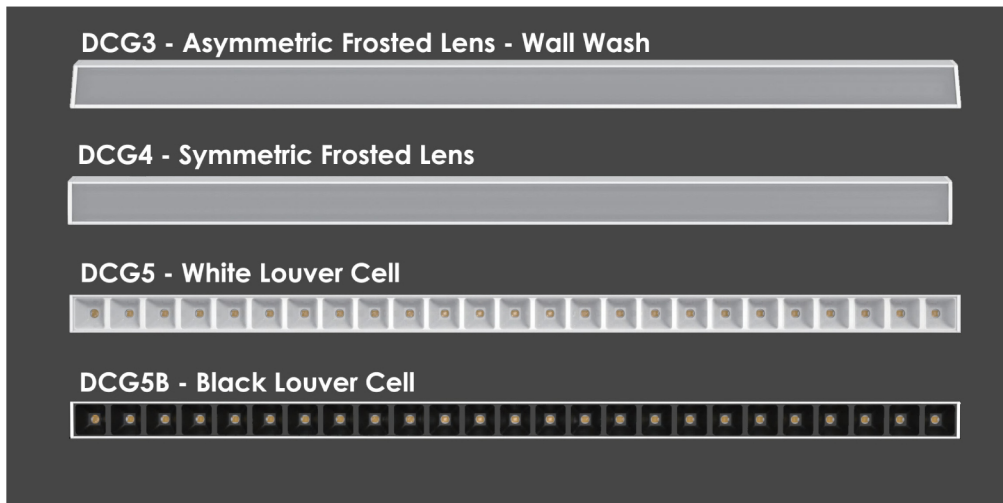


SCREW SLOT (TS)



SURFACE / DISPLAY CASE MOUNT (SM)

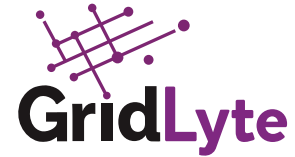
LIGHT DISTRIBUTION OPTIONS: Various Spec Grade Luminaire options to enhance any Commercial space.



2022.10.26

Dalume - DCG 1" Grid-Lyte Pro

PERFORMANCE DATA



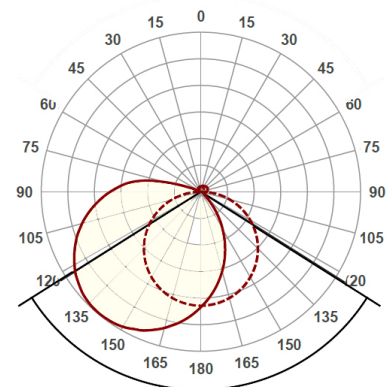
FOOTCANDLE APPLICATION

DISTANCE FROM CEILING	SINGLE LUMINAIRE - 3' FROM WALL						SINGLE LUMINAIRE - 4' FROM WALL					
	Distance From Fixture Center						Distance From Fixture Center					
	0'	1'	2'	3'	4'	5'	0'	1'	2'	3'	4'	5'
1'	67.5	61.3	45.2	27.5	15.0	8.0	40.9	37.9	30.3	21.3	13.6	8.4
2'	57.0	52.3	40.2	26.4	15.6	9.0	39.3	36.7	30.0	21.8	14.6	9.4
3'	39.1	36.4	29.3	20.9	13.6	8.5	31.6	29.8	25.0	19.1	13.5	9.1
4'	25.2	23.7	20.0	15.2	10.8	7.3	23.3	22.1	19.1	15.2	11.4	8.1
5'	16.2	15.5	13.5	10.8	8.2	6.0	16.6	15.9	14.1	11.7	9.1	6.9
6'	10.7	10.3	9.2	7.8	6.2	4.7	11.8	11.4	10.3	8.8	7.2	5.6
7'	7.3	7.1	6.5	5.6	4.7	3.7	8.4	8.2	7.6	6.6	5.6	4.6
8'	5.1	5.0	4.7	4.1	3.6	2.9	6.2	6.0	5.6	5.0	4.4	3.7
9'	3.7	3.7	3.4	3.1	2.7	2.3	4.6	4.5	4.3	3.9	3.4	3.0
10'	2.8	2.7	2.6	2.4	2.1	1.9	3.5	3.4	3.3	3.0	2.7	2.4

DCG34-30W-35K-UND
4' Wall Wash Asymmetrical

LER: 105 Lm/W 3325 Lm
 31.86W (7.75 W/ft.)
 Peak Candela: 1155 @ 0°
 CRI: 80 / CCT: 3500K LM79

CANDELA DISTRIBUTION



115.4°

DISTANCE FROM CEILING	SINGLE LUMINAIRE - 5' FROM WALL						SINGLE LUMINAIRE - 6' FROM WALL					
	Distance From Fixture Center						Distance From Fixture Center					
	0'	1'	2'	3'	4'	5'	0'	1'	2'	3'	4'	5'
1'	26.8	25.3	21.4	16.4	11.7	8.0	18.7	17.9	15.7	12.8	9.8	7.3
2'	27.4	26.0	22.2	17.4	12.7	8.9	19.7	18.9	16.8	13.8	10.8	8.1
3'	24.3	23.2	30.3	16.2	12.2	8.9	18.6	17.9	16.0	13.4	10.7	8.2
4'	19.7	18.9	16.8	13.9	10.9	8.2	16.2	15.6	14.2	12.1	9.9	7.7
5'	15.3	14.8	13.3	11.3	9.2	7.2	13.4	13.0	11.9	10.4	8.7	7.0
6'	11.6	11.3	10.3	9.0	7.5	6.1	10.8	10.5	7.8	8.6	7.4	6.1
7'	8.8	8.6	8.0	7.1	6.1	5.0	8.5	8.4	9.7	7.1	6.1	5.2
8'	6.7	6.5	6.1	5.6	4.9	4.1	6.8	6.6	6.3	5.7	5.1	4.4
9'	5.1	5.0	4.8	4.4	3.9	3.4	5.4	5.3	5.0	4.6	4.2	3.7
10'	4.0	3.9	3.8	3.5	3.2	2.8	4.3	4.2	4.0	3.8	3.4	3.1

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0			
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93						
1	104	98	93	88	101	95	90	86	90	86	82	84	81	78	79	77	75	72						
2	94	84	77	70	90	82	75	69	77	71	66	73	68	63	68	64	61	58						
3	85	73	64	57	82	71	63	56	67	60	54	63	57	52	60	55	51	48						
4	78	65	55	48	75	63	54	47	59	52	46	56	50	44	53	47	43	40						
5	71	58	48	41	69	56	47	40	53	45	39	50	43	38	48	42	37	35						
6	66	52	42	36	63	50	42	35	48	40	34	45	39	33	43	37	32	30						
7	61	47	38	31	59	46	37	31	43	36	30	41	34	29	39	33	29	26						
8	57	43	34	28	55	42	33	27	40	32	27	38	31	26	36	30	26	24						
9	53	39	31	25	51	38	30	25	36	29	24	35	28	24	33	27	23	21						
10	50	36	28	22	48	35	27	22	34	27	22	32	26	21	31	25	21	19						

ADJUSTMENT MULTIPLIERS

Luminaire	Value
4' - 30W 4000K	0.9092
2' - 15W 3500K	0.5066
2' - 15W 4000K	0.5675

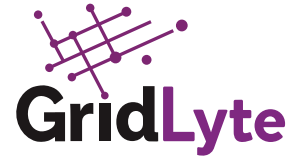
ROOM TYPE	LIGHT LEVEL (FOOT CANDLES)	POWER DENSITY (W/SF)*
Bedroom - Dormitory	20-30 FC	0.38
Cafeteria - Eating	20-30 FC	0.65
Classroom - General	30-50 FC	1.24
Conference Room	30-50 FC	1.23
Corridor	5-10 FC	0.66
Gymnasium	20-30 FC	0.72
Kitchen / Food Prep	30-75 FC	1.21
Lab (Classroom)	50-75 FC	1.43
Library - Stacks	20-50 FC	1.71
Library - Reading	30-50 FC	1.06
Loading Dock	10-30 FC	0.47
Lobby	20-30 FC	0.9
Locker Room	10-30 FC	0.75
Lounge / Breakroom	10-30 FC	0.73
Office - Open	30-50 FC	0.98
Office - Closed	30-50 FC	1.11
Restroom / Toilet	10-30 FC	0.98
Retail Sales	20-50 FC	1.59
Stairway	5-10 FC	0.69
Storage Room	5-20 FC	0.63
Workshop	30-75 FC	1.59

* Source: IECC 2015 LIGHTING

PERFORMANCE DATA

Example Room Foot Candle Layout: Fixture spacing 8 ft on center (X) & 6 ft (Y)

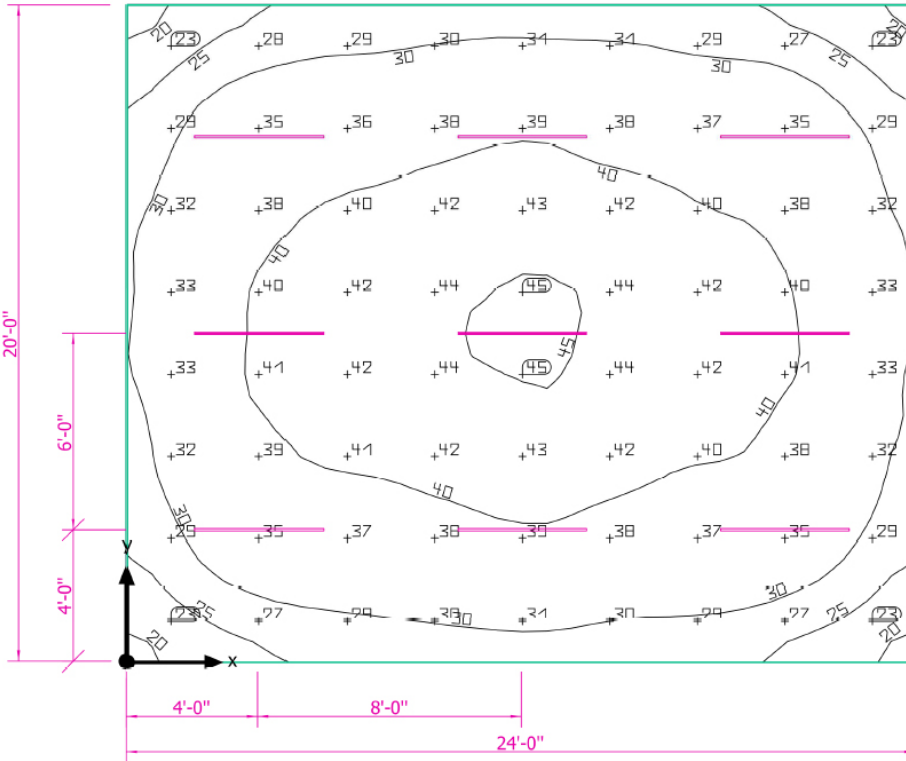
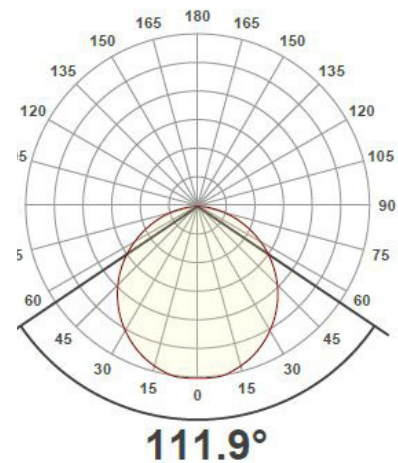
Ground area: 20'x24 = 480 sqft | Reflection: 70 % / 50 % / 20 %,
 Light loss: 0.80 (fixed) Workplane height: 2.5 ft | Mounting height: 10 ft
 Room Lightina power densitv 0.60 W/sa ft



**DCG44-30W-35K-UND
 4' Symmetrical Lens**

LER: 95 Lm/W 3022 Lm
 31.82W (7.55 W/ft.)
 Peak Candela: 1048 @ 0°
 CRI: 80 / CCT: 3500K LM79

CANDELA DISTRIBUTION



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
 Effective Floor Cavity Reflectance 0.20

RC	80				70				50				30				10				0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83	83	83	83	83	83	
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69	69	69	69	69	69	
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58	58	58	58	58	
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	50	50	50	50	50	
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	43	43	43	43	43	
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37	37	37	37	37	37	
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33	33	33	
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29	29	29	29	29	29	
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26	26	26	26	26	26	
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24	24	24	24	

ADJUSTMENT MULTIPLIERS

Luminare	Value
4' - 30W 4000K	0.904
2' - 15W 3500K	0.5182
2' - 15W 4000K	0.4484

ROOM TYPE	LIGHT LEVEL (FOOT CANDLES)	POWER DENSITY (W/SF)*
Bedroom - Dormitory	20-30 FC	0.38
Cafeteria - Eating	20-30 FC	0.65
Classroom - General	30-50 FC	1.24
Conference Room	30-50 FC	1.23
Corridor	5-10 FC	0.66
Gymnasium	20-30 FC	0.72
Kitchen / Food Prep	30-75 FC	1.21
Lab (Classroom)	50-75 FC	1.43
Library - Stacks	20-50 FC	1.71
Library - Reading	30-50 FC	1.06
Loading Dock	10-30 FC	0.47
Lobby	20-30 FC	0.9
Locker Room	10-30 FC	0.75
Lounge / Breakroom	10-30 FC	0.73
Office - Open	30-50 FC	0.98
Office - Closed	30-50 FC	1.11
Restroom / Toilet	10-30 FC	0.98
Retail Sales	20-50 FC	1.59
Stairway	5-10 FC	0.69
Storage Room	5-20 FC	0.63
Workshop	30-75 FC	1.59

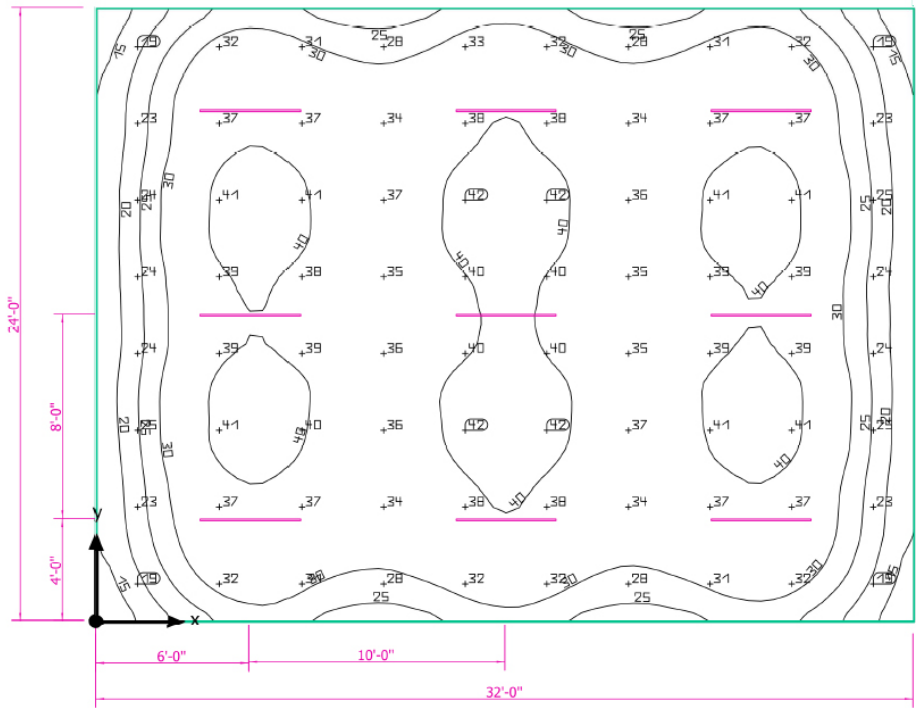
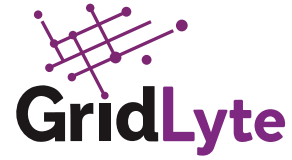
* Source: IECC 2015 LIGHTING

2022.10.26

PERFORMANCE DATA

Example Room Foot Candle Layout: Fixture spacing 8 ft on center (X) & 6 ft (Y)

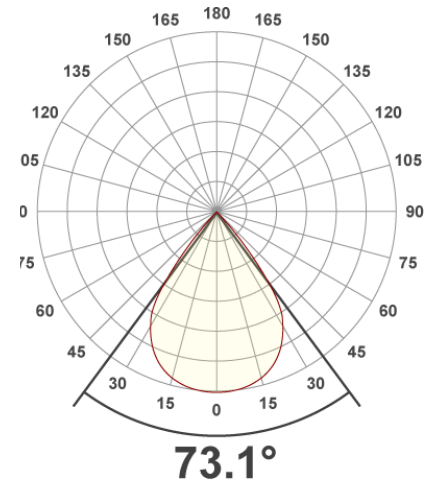
Ground area: 32'x24 = 768 sqft | Reflection: 70 % / 50 % / 20 %,
 Light loss: 0.80 (fixed) Workplane height: 2.5 ft | Mounting height: 10 ft
 Room Lighting power density 0.60 W/sq ft



**DCG54-30W-35K-UND
4' White Louver**

LER: 130 Lm/W 3647 Lm
 28.26W (7.06 W/ft.)
 Peak Candela: 2323 @ 0°
 CRI: 80 / CCT: 3500K LM79

CANDELA DISTRIBUTION



COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
 Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50				30				10				0			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100	
1	111	108	104	101	109	105	102	100	101	99	97	97	96	94	94	92	91	89	89	89	89	89	89	
2	104	98	92	88	101	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79	79	79	79	
3	97	89	82	77	95	87	81	77	84	79	75	82	78	74	79	76	73	71	71	71	71	71	71	
4	91	81	74	69	89	80	73	68	77	72	67	75	70	66	73	69	66	64	64	64	64	64	64	
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58	58	58	58	58	58	
6	79	68	61	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52	52	52	52	52	52	
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48	48	48	48	48	48	
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44	44	44	44	44	44	
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	40	40	40	40	40	
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37	37	37	37	37	37	

ROOM TYPE	LIGHT LEVEL (FOOT CANDLES)	POWER DENSITY (W/SF)*
Bedroom - Dormitory	20-30 FC	0.38
Cafeteria - Eating	20-30 FC	0.65
Classroom - General	30-50 FC	1.24
Conference Room	30-50 FC	1.23
Corridor	5-10 FC	0.66
Gymnasium	20-30 FC	0.72
Kitchen / Food Prep	30-75 FC	1.21
Lab (Classroom)	50-75 FC	1.43
Library - Stacks	20-50 FC	1.71
Library - Reading	30-50 FC	1.06
Loading Dock	10-30 FC	0.47
Lobby	20-30 FC	0.9
Locker Room	10-30 FC	0.75
Lounge / Breakroom	10-30 FC	0.73
Office - Open	30-50 FC	0.98
Office - Closed	30-50 FC	1.11
Restroom / Toilet	10-30 FC	0.98
Retail Sales	20-50 FC	1.59
Stairway	5-10 FC	0.69
Storage Room	5-20 FC	0.63
Workshop	30-75 FC	1.59

ADJUSTMENT MULTIPLIERS
White Louver DG5x

Luminaire	Value
4' - 25W 3500K	0.7988
4' - 30W 4000K	0.904
2' - 15W 3500K	0.5097
2' - 15W 4000K	0.6473

ADJUSTMENT MULTIPLIERS
Black Louver DG5Bx

Luminaire	Value
4' - 25W 3500K	0.7466
4' - 30W 4000K	0.8533
2' - 15W 3500K	0.5097
2' - 15W 4000K	0.5753

* Source: IECC 2015 LIGHTING

2022.10.26