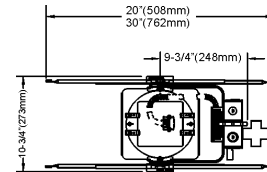
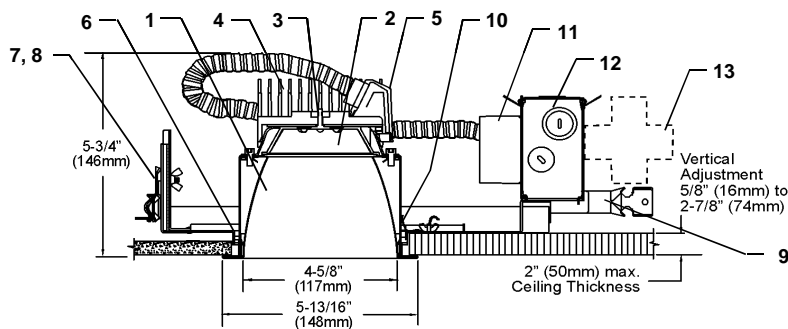


Downlight

Ceiling Opening: 5-3/8" (137mm) Square



For complete fixture order: Trim Kit + Frame-In Kit. Sold Separately.

Light Engine	Lumen*	CCT	Basic Finish	Frame-in Kit	Wattage	Input Voltage
C4X4L05DL27K	500lm	2700K	CCLW Comfort Clear /	C4X4L05N1	10W	120V
C4X4L05DL30K	500lm	3000K	White Painted Integral Flange	C4X4L05N2	10W	277V
C4X4L05DL35K	500lm	3500K		C4X4L05N1-347*	10W	347V*
C4X4L05DL40K	500lm	4000K		C4X4L10N1	20W	120V
C4X4L10DL27K	1000lm	2700K		C4X4L10N2	20W	277V
C4X4L10DL30K	1000lm	3000K	See Options for other finish	C4X4L10N1-347*	20W	347V*
C4X4L10DL35K	1000lm	3500K				
C4X4L10DL40K	1000lm	4000K				
ex: C4X4L05DL30KCLP	500lm	3000K	Comfort Clear / Polished Integral Flange			

Add "LD" for Lutron dimming available only for 20W frame
 ex: C4X4L10N1LD
 Add "Z10V" for 0-10V dimming ex: C4X4L05N1Z10V

* With Step-Down transformer

*Nominal value. Consult the photometry for the exact value.
 Note: Select Frame-in Kit and Light engine of the same wattage.

Features

- Reflector Trim:** 50° physical and reflected cutoff to source and source image Available with integral flange painted white or polished to match inside cone.
- Optical Mixing Chamber:** Patented remote phosphor technology provides increased efficiency and color stability. Phosphor lens assembly, positioned in front of LED array converts blue light to white and produces a wide even pattern of diffused light without bright spots created by individual LEDs. Uniform phosphor coating provides consistent, stable color with a shift of no more than +/- 100K over life. Mixing chamber redirects scattered light back out through the emitting aperture.
- LED Board:** Array of 16 high brightness royal blue LEDs 1000lm or 8 for 500lm.
- Thermal Management:** Proprietary heat sink design maintains junction temperature for consistent, reliable performance and 50,000 hour lifetime at 70% lumen maintenance.
- Socket:** Cast steel. Protects power connector and ensures a secure connection.
- Mounting Frame:** Stell, 0.074" (14 ga.).
- Frame Vertical Adjustment Mechanism:** Accommodates mounting to virtually any ceiling system using pre-installed mounting bars, or 1/2" (13mm) EMT tubing (by others). Single locking feature secures all adjustments. Alignment holes and markings allow fixture to be pre-set prior to installation. Final adjustments can be made below inside fixture.
- Frame Horizontal Adjustment Mechanism:** 20 ga. Galvanised steel rotating plate allows for 360° adjustment during installation prior to connection of power supply to trim. Adjusts and locks via (2) wing nuts accessed through aperture.
- Mounting Bars:** 0.048" (18 ga) pre-installed, telescoping bars extend to 30" long and lock securely into position. Built-in locking tabs provide positive attachment to common T-bar systems. Self-centering features simplifies installation in 24" O.C. grid systems. Attaches to steel or wood joists without accessories.
- Retaining Springs:** Rust resistant springs simplify reflector/housing removal for inspection and maintenance.
- Power Supply:** Die-cast aluminum PSU enclosure. Assembly snaps onto junction box without tools for inspection and replacement, accessible from below. Attaches to light engine via push-in connector on LED board, removable cover provides access.
- Junction Box:** 0.059" (16 ga) galvanised steel. UL listed for 8 No. 12 AWG, 90° C through branch circuit conductors. Allows inspection from below.

Markings

cULus Listed, suitable for wet locations. 5 years warranty.

13. Step-down Transformer: From 347V to 120V.

Electronic Driver: 120V or 277V 50/60 Hz.; overload and short circuit protected; thermal regulation to protect against overheating; sound rating "A"; -20°C (-4°F).

Nominal Wattage	Input Voltage	Input Frequency	Input Current	LED drive Current	Input Power ± 5%	THD	Power Factor
10W	120V	50/60Hz	0.083	350mA	10W	<5%	>0.9
	277V	50/60Hz	0.036	350mA	10W	<10%	>0.8
	347V*	60Hz	0.050	350mA	13W	<5%	>0.7
20W	120V	50/60Hz	0.167	350mA	20W	<5%	>0.9
	277V	50/60Hz	0.072	350mA	20W	<10%	>0.8
	347V*	60Hz	0.080	350mA	24W	<5%	>0.8

Options

Dimming- Capacity: See LED-DIM specification sheet.

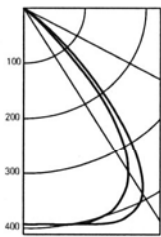
For availability, consult your Lightolier representative.

- CCDP** Comfort Clear Diffuse / Polished Integral Flange
- CCDW** Comfort Clear Diffuse / White Painted Integral Flange
- CCLP** Comfort Clear / Polished Integral Flange
- CCZP** Comfort Champagne Bronze / Polished Integral Flange
- CCZW** Comfort Champagne Bronze / White Painted Integral Flange
- WHW** White / White Painted Integral Flange

Job Information	Type:
Job Name:	
Cat. No.:	
Lamp(s):	
Notes:	

500lm, LED, 4000K, CL FINISH TRIM

Candlepower Distribution



ANGLE	0DEG	45DEG	LUMENS
0	387	387	37
5	388	388	
10	391	391	
15	396	400	113
20	391	409	
25	373	404	178
30	334	376	
35	262	303	171
40	132	195	
45	38	92	53
50	4	24	
55	1	4	3
60	1	1	
65	1	0	0
70	0	0	
75	0	0	0
80	0	0	
85	0	0	0
90	0	0	

Trim:

C4X4L05DL40KCLW

Output lumens: 573 lm
 Correlated Color Temp¹: 4000K
 Input Watts²: 8.7 w
 Efficacy: 65.9 lm/w
 CRI³: 76
 Spacing Criterion: 1.2

CEILING	80%		70%		50%		30%		0%		
WALL	70	50	30	10	50	10	50	10	50	10	0
RCR Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%											
0	119	119	119	119	116	116	111	111	106	106	100
1	113	110	108	105	108	104	104	100	100	97	93
2	107	102	97	94	100	93	97	91	94	89	85
3	101	94	89	84	93	84	90	82	88	81	78
4	95	87	81	76	86	76	84	75	82	74	72
5	90	81	74	70	80	69	78	69	76	66	66
6	85	75	68	64	74	63	72	63	71	63	61
7	80	70	63	58	69	58	68	58	66	58	56
8	75	65	58	54	64	54	63	53	62	53	52
9	71	61	54	50	60	50	59	49	58	49	48
10	67	57	50	46	56	46	55	46	55	46	44

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LUMINAIRE
0-30	333	58.1%
0-40	510	89.0%
0-60	573	99.9%
0-90	573	100.0%

Single Unit Data

Height to Lighted Plane	Initial Footcandles	Beam Diameter
5'	15	6"
6'	11	7"
7'	8	9"
8'	6	10"
9'	5	11"

Multiple Unit Data - RCR 2

Spacing	Initial Watts/On Ctr.	Footcandles	Sq. Ft.
5'	26	0.39	
6'	17	0.25	
7'	12	0.18	
8'	10	0.15	
9'	8	0.12	

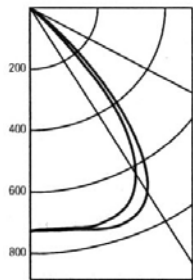
38'x38'x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. F09326¹

¹Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSI C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
²Wattage controlled to within 65%.
³Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
⁴Color Rendering Index within +/- 2%.

1000lm, LED, 3000K, CL FINISH TRIM

Candlepower Distribution	ANGLE	0DEG	45DEG	LUMENS
	0	727		727
	5	722		728
	10	727		733
	15	735		746
	20	724		756
	25	696		743
	30	624		693
	35	499		571
	40	285		385
	45	80		189
	50	12		55
	55	2		8
	60	1		0
	65	0		0
	70	0		0
	75	0		0
	80	0		0
	85	0		0
	90	0		0



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LUMINAIRE
0-30	609	58.0%
0-40	931	88.8%
0-60	1048	100.0%
0-90	1048	100.0%

Trim: **C4X4L10DL30KCLW**
 Output lumens: 1048 lm
 Correlated Color Temp¹: 3000K
 Input Watts²: 19.8 w
 Efficacy: 52.9 lm/w
 CRI³: 79
 Spacing Criterion: 1.2

CEILING	80%				70%				50%				30%				0%			
WALL	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%																			
0	119	119	119	119	116	116	111	111	106	106	100	100	106	106	100	100	106	106	100	100
1	113	110	108	105	108	103	104	100	100	97	91	94	89	85	85	81	87	81	81	78
2	107	102	97	94	100	93	97	91	84	75	82	74	72	68	66	66	68	66	66	66
3	101	94	89	84	93	84	90	82	87	81	78	72	68	66	66	66	68	66	66	66
4	95	87	81	76	86	76	84	75	82	74	72	68	66	66	66	66	68	66	66	66
5	90	81	74	70	80	69	78	69	76	68	66	66	66	66	66	66	68	66	66	66
6	85	75	68	64	74	64	72	63	71	63	61	61	61	61	61	61	68	66	66	66
7	80	70	63	58	69	59	68	58	66	58	56	56	56	56	56	56	68	66	66	66
8	75	65	58	54	64	54	63	53	62	53	51	51	51	51	51	51	68	66	66	66
9	71	61	54	50	60	50	59	49	58	49	48	48	48	48	48	48	68	66	66	66
10	67	57	50	46	56	46	55	46	54	46	46	46	46	46	46	46	68	66	66	66

Single Unit Data

Height to Lighted Plane	Initial Footcandles	Beam Diameter
5'	29	6'
6'	20	7'
7'	15	8'
8'	11	10'
9'	9	11'

Multiple Unit Data - RCR 2

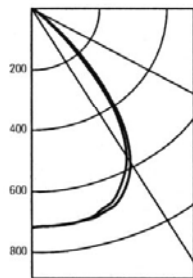
Spacing On Ctr.	Initial Footcandles	Watts/ Sq. Ft.
5'	47	0.88
6'	31	0.58
7'	22	0.41
8'	19	0.34
9'	15	0.27

38'x38'x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. 15738³

1000lm, LED, 3000K, CCD FINISH TRIM

Candlepower Distribution	ANGLE	0DEG	45DEG	LUMENS
	0	717		717
	5	715		715
	10	714		714
	15	705		710
	20	680		694
	25	629		652
	30	560		583
	35	446		474
	40	281		326
	45	136		178
	50	49		73
	55	26		26
	60	14		11
	65	8		6
	70	4		4
	75	2		2
	80	1		1
	85	0		0
	90	0		0



ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	%LUMINAIRE
0-30	561	55.9%
0-40	840	83.7%
0-60	993	99.0%
0-90	1003	100.0%

Trim: **C4X4L10DL30KCCDW**
 Output lumens: 1003 lm
 Correlated Color Temp¹: 3000K
 Input Watts²: 19.8 w
 Efficacy: 50.7 lm/w
 CRI³: 79
 Spacing Criterion: 1.1

CEILING	80%				70%				50%				30%				0%			
WALL	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR	Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%																			
0	119	119	119	119	116	116	111	111	106	106	100	100	106	106	100	100	106	106	100	100
1	113	110	107	105	108	103	104	100	100	97	92	93	88	84	84	80	87	81	81	78
2	106	101	97	93	99	92	96	90	93	88	84	84	80	77	77	77	87	81	81	78
3	100	93	88	85	92	82	89	81	86	80	77	77	77	77	77	77	87	81	81	78
4	94	86	80	75	85	74	82	74	80	73	70	70	70	70	70	70	87	81	81	78
5	89	79	73	68	78	68	77	67	75	66	64	64	64	64	64	64	87	81	81	78
6	83	74	67	62	73	62	71	61	70	61	59	59	59	59	59	59	87	81	81	78
7	79	68	62	57	68	57	66	56	66	56	54	54	54	54	54	54	87	81	81	78
8	74	64	57	52	63	52	62	52	61	52	50	50	50	50	50	50	87	81	81	78
9	70	59	53	48	59	48	58	48	57	48	46	46	46	46	46	46	87	81	81	78
10	66	56	49	45	55	45	54	45	53	44	44	44	44	44	44	44	87	81	81	78

Single Unit Data

Height to Lighted Plane	Initial Footcandles	Beam Diameter
5'	29	6'
6'	20	7'
7'	15	8'
8'	11	10'
9'	9	11'

Multiple Unit Data - RCR 2

Spacing On Ctr.	Initial Footcandles	Watts/ Sq. Ft.
5'	45	0.88
6'	29	0.58
7'	21	0.41
8'	18	0.34
9'	14	0.27

38'x38'x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. F09314³

1000lm, 4-1/2" (114mm) Square Aperture, Remote Phosphor LED

1000lm, LED, 3500K, CL FINISH TRIM

Candlepower Distribution table with columns: ANGLE, 0DEG, 45DEG, LUMENS. Includes a beam spread diagram.

ZONAL LUMENS AND PERCENTAGES table with columns: ZONE, LUMENS, %LUMINAIRE.

Trim: C4X4L10DL35KCLW. Output lumens: 1128 lm. Correlated Color Temp: 3500K. Input Watts: 19.8 w. Efficacy: 57.0 lm/w. CRI: 76. Spacing Criterion: 1.1.

CEILING WALL table showing RCR and Zonal Cavity Method data for various reflectance levels (80%, 70%, 50%, 30%, 0%) and cavity heights.

Single Unit Data table with columns: Height to Lighted Plane, Initial Footcandles, Beam Diameter.

Multiple Unit Data - RCR 2 table with columns: Spacing, Initial Watts, On Ctr. Footcandles, Sq. Ft.

38x38x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. F09956*

1000lm, LED, 3500K, CCL FINISH TRIM

Candlepower Distribution table with columns: ANGLE, 0DEG, 45DEG, LUMENS. Includes a beam spread diagram.

ZONAL LUMENS AND PERCENTAGES table with columns: ZONE, LUMENS, %LUMINAIRE.

Trim: C4X4L10DL35KCCWL. Output lumens: 1073 lm. Correlated Color Temp: 3500K. Input Watts: 19.8 w. Efficacy: 54.2 lm/w. CRI: 76. Spacing Criterion: 1.1.

CEILING WALL table showing RCR and Zonal Cavity Method data for various reflectance levels (80%, 70%, 50%, 30%, 0%) and cavity heights.

Single Unit Data table with columns: Height to Lighted Plane, Initial Footcandles, Beam Diameter.

Multiple Unit Data - RCR 2 table with columns: Spacing, Initial Watts, On Ctr. Footcandles, Sq. Ft.

38x38x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. F09957*

1000lm, LED, 3500K, CCD FINISH TRIM

Candlepower Distribution table with columns: ANGLE, 0DEG, 45DEG, LUMENS. Includes a beam spread diagram.

ZONAL LUMENS AND PERCENTAGES table with columns: ZONE, LUMENS, %LUMINAIRE.

Trim: C4X4L10DL35KCCDW. Output lumens: 1069 lm. Correlated Color Temp: 3500K. Input Watts: 19.8 w. Efficacy: 54.0 lm/w. CRI: 76. Spacing Criterion: 1.2.

CEILING WALL table showing RCR and Zonal Cavity Method data for various reflectance levels (80%, 70%, 50%, 30%, 0%) and cavity heights.

Single Unit Data table with columns: Height to Lighted Plane, Initial Footcandles, Beam Diameter.

Multiple Unit Data - RCR 2 table with columns: Spacing, Initial Watts, On Ctr. Footcandles, Sq. Ft.

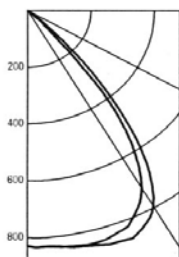
38x38x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. F09958*

*Correlated Color Temperature within specs as defined in ANSI NEMA ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

1000lm, LED, 4000K, CL FINISH TRIM

Candlepower Distribution



ANGLE	0DEG	45DEG	830	LUMENS
0	830	830	80	
5	832	833	80	
10	842	845	80	
15	846	855	241	
20	832	863	377	
25	796	850	377	
30	721	794	370	
35	572	654	370	
40	331	437	127	
45	88	212	127	
50	11	55	8	
55	3	9	8	
60	1	1	0	
65	1	0	0	
70	0	0	0	
75	0	0	0	
80	0	0	0	
85	0	0	0	
90	0	0	0	

Trim:
C4X4L10DL40KCLW

Output lumens: 1203 lm
 Correlated Color Temp¹: 4000K
 Input Watts²: 19.8 w
 Efficacy: 60.8 lm/w
 CRI³: 76
 Spacing Criterion: 1.2

CEILING WALL	80%				70%				50%				30%				0%			
	70	50	30	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10	50	10
RCR Zonal Cavity Method - Effective Floor Cavity Reflectance = 20%																				
0	119	119	119	119	116	116	111	111	106	106	100	100	106	106	100	100	106	106	100	100
1	113	110	108	105	108	104	104	100	97	94	88	85	100	97	91	84	88	85	85	85
2	107	102	97	94	100	93	97	91	94	88	85	85	94	88	85	85	85	85	85	85
3	101	94	89	84	93	84	90	82	87	81	78	78	87	81	78	81	78	81	78	78
4	95	87	81	76	86	76	84	75	82	74	72	72	82	74	72	74	72	72	72	72
5	90	81	74	70	80	69	78	69	76	68	66	66	76	68	66	66	66	66	66	66
6	85	75	68	64	74	63	72	63	71	63	61	61	71	63	61	61	61	61	61	61
7	80	70	63	58	69	58	68	58	66	58	56	56	66	58	56	56	56	56	56	56
8	75	65	58	54	64	54	63	53	62	53	51	51	62	53	51	51	51	51	51	51
9	71	61	54	50	60	50	59	49	58	49	48	48	58	49	48	48	48	48	48	48
10	67	57	51	46	56	46	55	46	55	46	44	44	55	46	44	44	44	44	44	44

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LUMINAIRE
0-30	697	58.0%
0-40	1068	88.8%
0-60	1203	100.0%
0-90	1203	100.0%

Single Unit Data

Height to Lighted Plane	Initial Footcandles	Beam Diameter
5'	33	6"
6'	23	7"
7'	17	9"
8'	13	10"
9'	10	11"

Multiple Unit Data - RCR 2

Spacing	Initial Watts/ Sq. Ft.
5'	0.88
6'	0.58
7'	0.41
8'	0.34
9'	0.27

36"x36"x10' Room, Workplane 2 1/2' above floor, 80/50/20% Reflectances

CERTIFIED TEST REPORT NO. F09325⁴

¹Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSI C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.
²Wattage controlled to within 65%.
³Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.
⁴Color Rendering Index within +/- 2%.