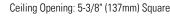
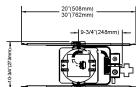
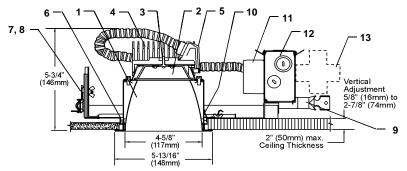
Page 1 of 9

Downlight







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

Light Engine	Lumen*	CCT	Basic F	inish	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		5 5	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			Add "LD" for Lutron dim	nming available onl	y for 20W frame
					ex: C4X4L10N1LD		
ex: C4X4L05DL30KCCLP	500lm	3000K	Comfort (Clear / Polished Integral Flange	Add "Z10V" for 0-10V d	imming <i>ex: C4X4L</i>	.05N1Z10V

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

Features

- 1. Reflector Trim: 50° physical and reflected cutoff to source and source image Available with integral flange painted white or polished to match inside cone.
- 2. 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.
- 3. LED Board: Array of 16 high brightness royal blue LEDs 1000lm or 8 for 500lm
- **4. Thermal Management:** Proprietary heat sink design maintains junction temperature for consistent, reliable performance and 50,000 hour lifetime at 70% lumen maintenance.
- 5. Socket: Cast steel. Protects power connector and ensures a secure connection.
- 6. Mounting Frame: Stell, 0.074" (14 ga.).
- 7. 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.
- 8. 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.
- 9. 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.
- 10. Retaining Springs: Rust resistant springs simplify reflector/housing removal for inspection and maintenance.
- 11. 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.
- 12. Junction Box: 0.059" (16 ga) glavanised 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 warrenty.

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

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

* With Step-Down transformer

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

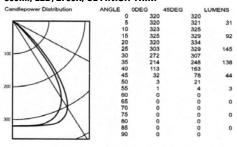
CCZP Comfort Champagne Bronze / Polished Integral Flange **CCZW** Comfort Champagne Bronze / White Painted Integral Flange

WHW White / White Painted Integral Flange

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

PHILIPS LIGHTOLIER





Trim:		CEILING		80%			701	6	509	6	309	%	0%
C4X4L05DL27KCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
		RCR	Zonal Cavit	y Method - I	Effective	Floor C	avity Re	flectance	= 20%				
Output lumens:	455 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	93
Correlated Color Temp1:	2700K	2	107	102	97	94	100	93	97	91	94	89	85
		3	101	94	89	85	93	84	90	82	88	81	78
Input Watts ² :	8.7 w	4	95	87	81	77	86	76	84	75	82	74	72
		5	90	81	74	70	80	70	78	69	76	68	66
Efficacy:	52.3 lm/w	6	85	75	69	64	74	64	73	63	71	63	61
		7	80	70	63	59	69	59	68	58	67	58	56
CRI*:	80	8	75	65	59	54	65	54	63	54	62	54	52
		9	71	61	54	50	60	50	59	50	58	50	48
Spacing Criterion:	1.2	10	67	57	51	46	57	46	56	46	55	46	45

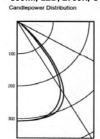
ZONE	LUMENS	%LUMINAIRE
0-30	268	59.0%
0-40	407	89.6%
0-60	454	99.9%
0-90	455	100.0%

Spacing	Initial	Watts
On Ctr.	Footcandles	Sq. Ft.
5	21	0.39
6	14	0.25
7	10	0.18
8	8	0.15
9	6	0.12

CERTIFIED TEST REPORT NO.

F09943³

500Im, LED, 2700K, CCL FINISH TRIM



GLE	0DEG	45DEG	LUMENS
	307	307	
	307	307	30
10	307	308	
15	304	306	86
20	293	302	
25	273	287	128
30	241	259	
35	189	209	121
40	107	141	
45	45	73	47
50	16	26	
55	9	8	9
60) 5	3	
65	3	2	3
70) 1	1	
75	5 1	- 1	1
80	0	0	
85	. 0	0	0
90	0	0	

Trim:		CEILING		80%			709	6	509	6	309	6	0%
C4X4L05DL27KCCLW		WALL	70	50	30	10	50	10	. 50	. 10	50	10	0
		RCR	Zonal Cavi	ty Method - I	Effective	Floor C	avity Ref	flectano	e = 20%				
Output lumens:	425 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	92
Correlated Color Temp1:	2700K	2	107	101	97	93	100	92	96	90	93	88	85
		3	100	93	88	84	92	83	89	82	87	80	77
Input Watts ² :	8.7 w	4	95	86	80	76	85	75	83	74	81	73	71
		5	89	80	73	69	79	68	77	68	75	67	65
Efficacy:	48.9 lm/w	6	84	74	68	63	73	63	72	62	70	62	60
		7	79	69	62	58	68	57	67	57	66	57	55
CRI*:	80	8	75	64	58	53	64	53	62	53	61	52	51
		9	71	60	53	49	59	49	58	49	58	49	47
Spacing Criterion:	1.2	10	67	56	50	46	56	45	55	45	54	45	44

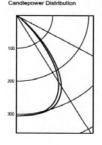
ZONE	LUMENS	%LUMINAIRE
0-30	244	57.3%
0-40	365	85.9%
0-60	421	99.2%
0-90	425	100.0%

Spacing On Ctr.	Initial Footcandles	Watts/ Sq. Ft.
5'	19	0.39
6"	13	0.25
7	9	0.18
8°	7	0.15
9.	6	0.12

CERTIFIED TEST REPORT NO.

F09944³

500lm, LED, 2700K, CCD FINISH TRIM



11141	on ini	IVI	
GLE	0DEG	45DEG	LUMENS
0	305	5 305	
5	304	305	30
10	305	5 305	i
15	301	303	85
20	290	297	
25	268	3 280	125
30	234	250)
35	181	201	117
40	111	1 136	
45	54	1 72	51
50	20	28	3
55	10	10	10
60		5 4	
65		3 3	3
70	- 2	2 2	!
75		1 1	1
80) (
85	() (0
90) (

Trim:		CEILING		80%			709	%	50%	6	30%	6	0%
C4X4L05DL27KCCDW		WALL	70	50	30	10	50	10	50	10	50	10	- (
		RCR	Zonal Car	vity Method -	Effective	Floor C	Cavity Re	flectanc	e = 20%				
Output lumens:	423 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	92
Correlated Color Temp1:	2700K	2	106	101	97	93	99	92	96	90	93	88	84
		3	100	93	88	83	92	83	89	81	87	80	77
nput Watts ² :	8.7 w	4	94	86	80	75	85	75	83	74	81	73	70
		5	89	80	73	68	79	68	77	67	75	67	64
Efficacy:	48.6 lm/w	6	84	74	67	62	73	62	71	62	70	61	59
		7	79	69	62	57	68	57	66	57	65	56	54
CRI*:	80	8	74	64	57	53	63	53	62	52	61	52	50
		9	70	60	53	49	59	49	58	48	57	48	47
Spacing Criterion:	1.1	10	66	56	49	45	55	45	54	45	54	45	43

ZONE	LUMENS	%LUMINAIRE
0-30	240	56.7%
0-40	357	84.5%
0-60	418	99.0%
0-90	423	100.0%

Spacing	Initial Footcandles	Watts/
6	10	0.39
0	10	
0.	12	0.25
7	9	0.18
8"	7	0.15
9"	6	0.12

CERTIFIED TEST REPORT NO.

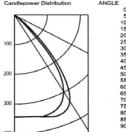
F09945³

Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG_C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

²Wattage controlled to within 65%
³Tested using absolute photomet

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lightling Product Color Rendering Index within +/- 2%.

500lm, LED, 3000K, CL FINISH TRIM



MENS	LU	45DEG	ODEG	ANGLE
	340		340	0
33	341		342	5
	344		344	10
99	351		349	15
	358		345	20
157	357		331	25
	337		299	30
155	276		240	35
	183		135	40
53	89		38	45
	25		5	50
	4		1	55
	1		1	60
(0		0	65
	0		0	70
(0		0	75
	0		0	80
	0		0	85
	0		0	90

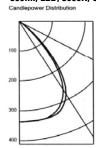
Trim:		CEILING		80%			709		509		309		0%
C4X4L05DL30KCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
C4X4LU3DL3UKGLVV		RCR	Zonal Ca	vity Method -	Effective	Floor (Cavity Re	flectand	xe = 20%				
Output lumens:	500 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	108	105	108	103	104	100	100	97	93
Correlated Color Temp1:	3000K	2	107	102	97	94	100	93	97	91	94	89	85
		3	101	94	89	84	93	84	90	82	87	81	78
Input Watts ² :	8.7 w	4	95	87	81	76	86	76	84	75	81	74	72
		5	90	81	74	69	80	69	78	69	76	68	66
Efficacy:	57.5 lm/w	6	84	75	68	63	74	63	72	63	71	62	60
		7	80	69	63	58	69	58	67	58	66	57	56
CRI*:	79	8	75	65	58	54	64	54	63	53	62	53	51
		9	71	60	54	50	60	49	59	49	58	49	47
Spacing Criterion:	1.2	10	67	56	50	46	56	46	55	46	54	46	44

ZONE	LUMENS	%LUMINAIRE
0-30	289	57.7%
0-40	444	88.8%
0-60	500	99.9%
0-90	500	100.0%

CERTIFIED TEST REPORT NO.

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

500Im, LED, 3000K, CCD FINISH TRIM



IGLE	0DEG	45	DEG	LUMENS
() 3	141	341	
		140	340	32
10) 3	141	341	
15	5 3	38	338	96
20) :	128	335	
25	5 3	806	318	143
30) :	73	288	
35	5 2	19	236	138
40) 1	41	163	l.
45	5	70	89	64
50)	26	37	•
55	5	13	13	
60)	7	5	
65	5	4	3	4
70)	2	2	
75	5	1	1	1
80)	1	1	
85	5	0	0	0
90)	0	0	

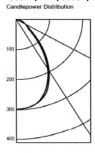
Trim:		CEILING		. 80%			701	%	509
C4X4L05DL30KCCDW		WALL	70	50	30	10	50	10	50
C4X4LU3DL3UKGGDVV		RCR	Zonal Cavity	Method -	Effective	Floor	Cavity Re	flectane	ce = 20%
Output lumens:	491 lm	0	119	119	119	119	116	116	111
		1	113	110	107	105	108	103	103
Correlated Color Temp1:	3000K	2	106	101	96	93		92	96
		3	100	93	87	83		82	89
Input Watts ² :	8.7 w	4	94	86	79	75		74	82
		5	88	79	73	68		67	76
Efficacy:	56.4 Im/w	6		73	67	62		61	71
		7	78	68	61	56	67	56	66
CRI*:	79	8		63	57	52		52	61
		9		59	52	48		48	57
Spacing Criterion:	1.1	10	66	55	49	44	55	44	54

ZONE	LUMENS	%LUMINAIRE
0-30	270	55.1%
0-40	409	83.2%
0-60	486	98.9%
0-90	491	100.0%

CERTIFIED TEST REPORT NO.

Height to	Initial	Beam
Lighted Plane	Footcandles	Diameter
5'	14	6 '
6'	9	7 '
7'	7	8 '
8'	5	9 '
O!	4	

500Im, LED, 3000K, WH FINISH TRIM



IGLE	0DEG		45DEG		LUMENS
0)	298		298	
5	5	296		296	28
10)	290		290	
15	5	277		279	78
20)	253		261	
25	5	223		230	104
30)	189		198	
35	5	149		161	97
40)	110		123	
45	5	73		87	62
50)	47		59	
55	5	39		41	36
60)	32		31	
65	5	25		25	25
70)	19		19	
75	5	14		13	14
80)	8		8	
85	5	4		4	4
90)	0		0	

Trim:			CEILING		80%			
C4X4L05DL30KWHW			WALL	70	50	30	10	
C4X4LU3DL3UKVVNVV			RCR	Zonal Cavity	Method -	Effective	Floor 0	àa
Output lumens:	448	lm	0	119	119	119	119	
			1	111	107	104	101	
Correlated Color Temp':	3000K		2	103	97	91	87	
			3	96	88	81	76	
Input Watts ² :	8.7 w		4	90	80	73	67	
			5	84	73	66	60	
Efficacy:	51.5	lm/w	6	79	67	60	54	
			7	74	62	55	50	
CRI*:	78		8	69	58	50	45	
			9	65	54	47	42	
Spacing Criterion:	1.1		10	62	50	43	39	

			Si	ngle Unit Data	
AL L	UMENS AND	PERCENTAGES	Height to	Initial	
E	LUMENS	%LUMINAIRE	Lighted Plane	Footcandles	Di
	210	46.7%	5'	12	
	306	68.3%	6.	8	
	405	90.3%	7	6	
	448	100.0%	8'	5	
			9'	4	

Spacing On Ctr.	Initial Footcandles	Watts/ Sq. Ft.
5'	19	0.39
6,	13	0.25
7	9	0.18
8'	8	0.15
9.	6	0.12

¹Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG_C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

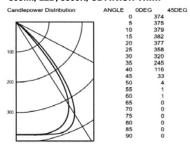
²Natatage controlled to within 65%.

³Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Production Production index within *1-2%.

89 78 70 63 56 51 47 43 40 93 82 73 65 59 53 49 45 41 97 89 81 74 68 63 59 55 84 74 66 59 54 49 45 41

CERTIFIED TEST REPORT NO.

500lm, LED, 3500K, CL FINISH TRIM



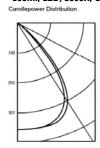
Trim:	
C4X4L05DL35KCLW	
Output lumens:	525 lm
Correlated Color Temp¹:	3500K
Input Watts ² :	8.7 w
Efficacy:	60.3 lm/w
CRI*:	76
Spacing Criterion:	1.1

	CEILING		80%		- 1	709	% I	509	6 1	309	6	0%
	WALL	70	50	30	10	50	10	50	10	50	10	0
	RCR	Zonal Cavit	y Method - E	Effective	Floor C	avity Re	flectance	= 20%				
5 lm	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	98	94	100	93	97	91	94	89	85
	3	101	94	89	85	93	84	90	83	88	81	79
	4	95	87	81	77	86	76	84	76	82	75	72
	5	90	81	75	70	80	70	78	69	77	69	66
3 Im/w	6	85	75	69	64	75	64	73	64	72	63	61
	7	80	70	64	59	69	59	68	59	67	58	56
	8	76	65	59	55	65	54	64	54	63	54	52
	9	72	61	55	51	61	50	60	50	59	50	48
	10	68	57	51	47	57	47	56	47	55	47	45

ZONALL	UMENS AND	PERCENTAGES
ZONE	LUMENS	%LUMINAIRE
0-30	314	59.8%
0-40	473	90.1%
0-60	524	99.9%
0-90	525	100.0%

CERTIFIED TEST REPORT NO.

500lm, LED, 3500K, CCL FINISH TRIM



UMENS	L	45DEG	0DEG	IGLE
	356	6	356	0
3	356	5	355	5
	357	6	356	10
10	356	3	353	15
	352	2	342	20
15	335	0	320	25
	304		284	30
14	247	4	224	35
	169	9	129	40
	89	4	54	45
	32	9	19	50
1	10	11	11	55
	4	6	6	60
	2	3		65
	1	2		70
	1	1	1	75
	0	0	0	80
	0	0	0	85
	0	0	0	90

Trim:		CEILING		80%			709	%	509	% I	309		0%
C4X4L05DL35SKCCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
O IN TEODDECOOK OCETT		RCR	Zonal Cavi	ty Method - I	Effective	Floor 0			e = 20%				
Output lumens:	499 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	92
Correlated Color Temp':	3500K	2	107	101	97	93	100	92	96	90	93	88	85
		3	100	93	88	83	92	83	89	81	87	80	77
Input Watts ² :	8.7 w	4	95	86	80	75	85	75	83	74	81	73	71
		5	89	80	73	69	79	68	77	68	75	67	65
Efficacy:	57.4 lm/w	6	84	74	67	63	73	62	72	62	70	61	59
		7	79	69	62	57	68	57	67	57	65	57	55
CRI*:	76	8	75	64	57	53	63	53	62	53	61	52	51
		9	70	60	53	49	59	49	58	49	57	48	47
Spacing Criterion:	1.1	10	67	56	50	45	56	45	55	45	54	45	43

ZONE	LUMENS	%LUMINAIRE
0-30	284	56.8%
0-40	427	85.5%
0-60	495	99.2%
0-90	499	100.0%

Si						
eight to ighted Plane	Initial Footcandles	Beam Diameter				
5'	14	5				
6"	10	6				
7"	7	7				
8'	6	8				
9'	4	9				

Unit Data - R	CR 2
Initial	Watts/
Footcandles	Sq. Ft.
22	0.39
15	0.25
11	0.18
9	0.15
7	0.12
	Initial Footcandles 22 15 11

CERTIFIED TEST REPORT NO.

500lm, LED, 3500K, CCD FINISH TRIM

Car	ndlepower Distribution
100	
300	

0	354	35	4
5	353	35	3 34
10	354	35	4
15	351	35	2 99
20	339	34	6
25	315	32	6 146
30	276	29	
35	214	23	
40	132	16	2
45	65	8	7 61
50	24	3	4
55	12	1	2 12
60	7		5
65	4		3 4
70	2		2
75	1		1 1
80	0		1
85	0		0 0
90	0		0

der.			CEILING		000	
rim: C4X4L05DL35KCCDW			WALL	70	80%	30
4X4LUJDLJJKGGDVV			RCR	Zonal Cavit	v Method -	Effectiv
utput lumens:	497	lm	0	119	119	119
			1	113	110	107
orrelated Color Temp1:	3500K		2	106	101	97
			3	100	93	88
put Watts ² :	8.7 w		4	94	86	80
			5	89	79	73
fficacy:	57.1	Im/w	6	84	74	67
			7	79	68	62
RI*:	76		8	74	64	57
			9	70	59	53
nacing Criterion:	12		10	BB.	56	40

		CEILING		80%			709	6	50%	6	309	6	0%
DW		WALL	70	50	30	10	50	10	50	10	50	10	0
D 4 4		RCR	Zonal Cavity	Method -	Effective	Floor (Cavity Ret	flectanc	e = 20%				
	497 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	92
o¹:	3500K	2	106	101	97	93	99	92	96	90	93	88	84
		3	100	93	88	83	92	82	89	81	87	80	77
	8.7 w	4	94	86	80	75	85	75	83	74	80	73	70
		5	89	79	73	68	78	68	77	67	75	67	64
	57.1 lm/w	6	84	74	67	62	73	62	71	62	70	61	59
		7	79	68	62	57	68	57	66	57	65	56	54
	76	8	74	64	57	52	63	52	62	52	61	52	50
		9	70	59	53	48	59	48	58	48	57	48	46
	1.2	10	66	56	49	45	55	45	54	45	53	45	43

ZONAL L	UMENS AND	PERCENTAGES
ZONE	LUMENS	%LUMINAIRE
0-30	279	56.2%
0-40	418	84.2%
0-60	492	99.0%
0-90	497	100.0%

Height to Lighted Plane	Initial Footcandles	Beam Diameter
5'	14	6 '
6.	10	7 .
7	7	9 '
8'	6	10 '
9'	4	11 '

Multiple	Unit Data - R	CR 2
Spacing	Initial	Watts/
On Ctr.	Footcandles	Sq. Ft.
5'	22	0.39
6'	15	0.25
7	10	0.18
8'	9	0.15
9'	7	0.12

CERTIFIED TEST REPORT NO.

500lm, LED, 4000K, CL FINISH TRIM

Candlepower Distribution	ANGLE	0DEG	45DEG	LUMENS
	0	387	387	
	5	388	388	37
	10	391	391	
	15	396	400	113
	20	391	409	
100	25	373	404	178
	30	334	376	
\ \ \	35	262	303	171
	40	132	195	
200	45	38	92	53
	50	4	24	
	55	1	4	3
	60	1	1	
300	65	1	0	0
1 // 1	70	0	0	
1 / 1/	75	0	0	0
	80	0	0	
400	85	0	0	0
	90	0	0	

Trim:		CEILING		80%			70	%	509	6	304	%	0%
C4X4L05DL40KCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
C4X4LUJDL4UKGLVV		RCR	Zonal Ca	vity Method -	Effective	Floor C	Cavity Re	flectane	ce = 20%				
Output lumens:	573 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	108	105	108	104	104	100	100	97	93
Correlated Color Temp1:	4000K	2	107	102	97	94	100	93	97	91	94	89	85
		3	101	94	89	84	93	84	90	82	88	81	78
Input Watts ² :	8.7 w	4	95	87	81	76	86	76	84	75	82	74	72
		5	90	81	74	70	80	69	78	69	76	68	66
Efficacy:	65.9 lm/w	6	85	75	68	64	74	63	72	63	71	63	61
		7	80	70	63	58	69	58	68	58	66	58	56
CRI4:	76	8	75	65	58	54	64	54	63	53	62	53	52
		9	71	61	54	50	60	50	59	49	58	49	48
Spacing Criterion:	1.2	10	67	57	50	46	56	46	55	46	55	46	44

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

CERTIFIED TEST REPORT NO. F093263

¹Correlated Color Temperature within specs as defined in ANSI_NEMA_ANSLG C78.377-2008; Specifications for the Chromaticity of Solid State Lighting Products.

²Natage controlled to within 65%,

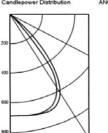
³Prested using absolute photometry as specified in LM79; IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

⁴Color Rendering Index within +/- 2%.

C4X4LDL

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





. FINIS	HIKIM			
ANGLE	0DEG	45DEG	L	UMENS
0	689		889	
5	689		889	67
10	695	5 (396	
15	697	7 7	700	197
20	686	3	701	
25	650		579	301
30	576	3 6	320	
35	447	, ,	503	281
40	131	1 3	333	
45			159	89
50	1	7	43	
55		3	8	6
60			1	
65	5 1	1	0	1
70) ()	0	
75)	0	0
80) ()	0	
85)	0	0
90) ()	0	

Trim:		CEILING	
C4X4L10DL27KCLW		WALL	7
C4A4L1UDLZ/RGLVV		RCR	Zonal
Output lumens:	944 lm	0	11:
		1	11
Correlated Color Temp1:	3000K	2	10
		. 3	10
Input Watts ² :	19.8 w	4	9
		5	9
Efficacy:	47.7 lm/w	6	8
		7	8
CRI*:	80	8	7
		9	7
Spacing Criterion:	1.2	10	6

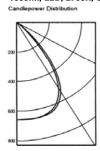
	CEILING		80%		- 1	709	6	509	6	309	6	0%
	WALL	70	50	30	10	50	10	50	10	50	10	0
	RCR 2	Zonal Cavity	Method - E	ffective	Floor C	avity Ref	lectance	= 20%				
944 lm	0	119	119	119	119	116	116	111	111	106	106	100
	1	113	110	108	105	108	104	104	100	100	97	93
3000K	2	107	102	98	94	100	93	97	91	94	89	85
	. 3	101	94	89	85	93	84	90	83	88	81	79
19.8 w	4	95	87	81	77	86	76	84	76	82	. 75	72
	5	90	81	75	70	80	70	78	69	77	69	66
47.7 lm/w	6	85	75	69	64	75	64	73	64	72	63	61
	7	80	70	64	59	69	59	68	59	67	58	56
80	8	76	65	59	55	65	54	64	54	63	54	52
	9	72	61	55	51	61	50	60	50	59	50	48
1.2	10	68	57	51	47	57	47	56	47	55	47	45

ZONE	LUMENS	%LUMINAIRE
0-30	565	59,9%
0-40	847	89.8%
0-60	943	99,9%
0-90	944	100.0%

CERTIFIED TEST REPORT NO.

38'x38'x10' Room, Workpla above floor, 80/50/20% Refl

1000lm, LED, 2700K, CCL FINISH TRIM



	•	• • • • • • • • • • • • • • • • • • • •			
GLE	ODEG		45DEG		LUMENS
()	658		658	
	5	657		659	64
10)	658		659	
15	5	651		654	183
20		630		641	
25	5	587		606	272
30)	517		544	
35	5	402		440	257
40)	226		301	
45	5	98		160	104
50)	33		56	
55	5	18		18	19
60)	10		7	
65	5	5		4	5
70)	3		2	
75	5	1		1	1
80	0	1		1	
85	5	0		0	0
90)	0		0	

Trim:		CEILING		80%		- 1	705	6 I	501	6	309	4	0%
C4X4L10DL27KCCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
C4A4LIUDLZ/RCCLW		RCR	Zonal Cav	ity Method - E	ffective	Floor C	avity Re	flectance	e = 20%				
Output lumens:	906 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	92
Correlated Color Temp1:	2700K	2	107	101	97	93	100	92	96	90	93	88	85
		3	101	93	88	84	92	83	89	82	87	80	77
Input Watts ² :	19.8 w	4	95	86	80	76	85	75	83	74	81	73	71
		5	89	80	73	69	79	68	77	68	75	67	65
Efficacy:	45.8 lm/w	6	84	74	68	63	73	63	72	62	70	62	60
		7	79	69	62	58	68	57	67	57	66	57	55
CRI*:	80	8	75	64	58	53	64	53	62	53	61	52	51
		9	71	60	53	49	59	49	58	49	58	49	47
Spacing Criterion:	1.2	10	67	56	50	46	56	45	55	45	54	45	44

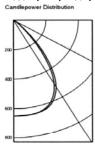
ZONE		%LUMINAIRE
0-30	519	57.2%
0-40	776	85.7%
0-60	899	99.2%
0-90	906	100,0%

CERTIFIED TEST REPORT NO.

LUMENS

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

1000lm, LED, 2700K, CCD FINISH TRIM





Trim:	
C4X4L10DL27KCCDW	
Output lumens:	lm
Correlated Color Temp1:	2700K
Input Watts ² :	19.8 w
Efficacy:	0.0 lm/
CRI*:	80
Spacing Criterion:	1.2

Trim:		CEILING	ı	80%		- 1	70%		50%	- 1	30%	- 1	0%
C4X4L10DL27KCCDW		WALL	70	50	30	10	50	10	50	10	50	10	0
		RCR	Zonal Cavity	Method - E	ffective F	Floor C	avity Refl	ectance	= 20%				
Output lumens:	lm	0											
		1	l			- 1		- 1		- 1		- 1	
Correlated Color Temp1:	2700K	2	l			- 1		- 1		- 1		- 1	
		3	l			- 1		- 1		- 1		- 1	
Input Watts ² :	19.8 w	4	l			- 1		- 1		- 1		- 1	
		5	ı					- 1		- 1		- 1	
Efficacy:	0.0 lm/w	6	l					- 1		- 1		- 1	
		7	1					- 1		- 1		- 1	
CRI*:	80	8	l					- 1		- 1		- 1	
		9	1					- 1		- 1		- 1	
Spacing Criterion:	1.2	10	l					- 1		- 1		- 1	
.,													

ZONE	LUMEN	IS %LUMIN	NAIRE
0-30			
0-40			
0-60			
0-90			

Spacing	Initial	Watts
On Ctr.	Footcandles	Sq. F
5'		88.0
6"		0,58
7		0.41
8"		0.34
9'		0.27

CERTIFIED TEST REPORT NO.

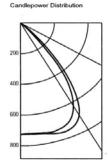
¹Correlated Color Temperature within specs as defined in ANSI NEMA ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products.

¹Nattage controlled to within 65%.

²Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

²Color Rendering Index within +/- 2%.

1000lm, LED, 3000K, CL FINISH TRIM



NGLE	0DEG	45DEG	LUMENS
0	727	727	
5	722	728	70
10	727	733	
15		746	210
20	724	756	
25	696	743	329
30	624	693	
35		571	323
40	285	385	
45	80	189	111
50	12	55	
55	2	8	6
60	1	0	
65		0	0
70	0	0	
75		0	0
80		0	
85		0	0
90	0	0	

Trim:		CEILING		80%			70		509		309		0%
C4X4L10DL30KCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
C4X4LIUDLJUKGLVV		RCR	Zonal Cav	rity Method -	Effective	Floor (Cavity Re	flectano	e = 20%				
Output lumens:	1048 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	108	105	108	103	104	100	100	97	93
Correlated Color Temp1:	3000K	2	107	102	97	94	100	93	97	91	94	89	85
		3	101	94	89	84	93	84	90	82	87	81	78
Input Watts ² :	19.8 w	4	95	87	81	76	86	76	84	75	82	74	72
		5	90	81	74	70	80	69	78	69	76	68	66
Efficacy:	52.9 lm/w	6	85	75	68	64	74	64	72	63	71	63	61
		7	80	70	63	58	69	59	68	58	66	58	56
CRI*:	79	8	75	65	58	54	64	54	63	53	62	53	51
		9	71	61	54	50	60	50	59	49	58	49	48
Spacing Criterion:	1.2	10	67	57	50	46	56	46	55	46	54	46	44

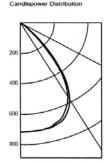
ZONE		%LUMINAIRE
0-30	609	58.0%
0-40	931	88.8%
0-60	1048	100.0%
0-90	1048	100.0%

| Multiple Unit Data - RCR 2 |
| Spacing | Initial Watts/ |
| On Ctr. | Footcandles | Sq. Ft. |
| 5' 47 0.88 |
| 6' 31 0.58 |
| 7' 22 0.41 |
| 8' 19 0.34 |
| 9' 15 0.27 |

CERTIFIED TEST REPORT NO. 157383

38'x38'x10' Room, Workplane 2 1/2'

1000lm, LED, 3000K, CCD FINISH TRIM



JMENS	L	45DEG	0DEG	GLE
	717		717	0
68	715		715	5
	714		714	10
199	710		705	15
	694		680	20
293	652		629	25
	583		560	30
279	474		446	35
	326		281	40
127	178		136	45
	73		49	50
26	26		26	55
	11		14	60
7	6		8	65
	4		4	70
2	2		2	75
	1		1	80
0	0		0	85
	0		0	90

Trim:		CEILING		80%			70	%	50%	6	309	X6	0%
C4X4L10DL30KCCDW		WALL	70	50	30	10	50	10	50	10	50	10	0
		RCR	Zonal Ca	vity Method -	Effective	Floor (Cavity Re	flectano	e = 20%				
Output lumens:	1003 lm	0	119	119	119	119	116	116	111	111	106	106	100
		- 1	113	110	107	105	108	103	104	100	100	97	92
Correlated Color Temp1:	3000K	2	106	101	97	93	99	92	96	90	93	88	84
		3	100	93	88	85	92	82	89	81	86	80	77
Input Watts ² :	19.8 w	4	94	86	80	75	85	74	82	74	80	73	70
		5	89	79	73	68	78	68	77	67	75	66	64
Efficacy:	50.7 lm/w	6	83	74	67	62	73	62	71	61	70	61	59
		7	79	68	62	57	68	57	66	56	66	56	54
CRI*:	79	8	74	64	57	52	63	52	62	52	61	52	50
		9	70	59	53	48	59	48	58	48	57	48	46
Spacing Criterion:	1.1	10	66	56	49	45	55	45	54	45	53	44	43

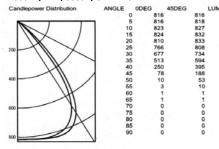
ZONE	LUMENS	%LUMINAIRE
0-30	561	55.9%
0-40	840	83.7%
0-60	993	99.0%
0-90	1003	100.0%

Multiple Unit Data - RCR 2								
Spacing	Initial	Watts/						
On Ctr.	Footcandles	Sq. Ft.						
5'	45	0.88						
6'	29	0.58						
7	21	0.41						
8'	18	0.34						
8,	14	0.27						

CERTIFIED TEST REPORT NO. F093143

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

1000lm, LED, 3500K, CL FINISH TRIM



Trim:		CEILING		80%			709	6	509	6	309	%	0%
C4X4L10DL35KCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
C4X4LIUDL33KCLVV		RCR	Zonal Cavit	v Method - E	ffective	Floor Ca	avity Re	flectance	= 20%	1			
Output lumens:	1128 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	108	105	108	104	104	100	100	97	93
Correlated Color Temp':	3500K	2	107	102	98	94	100	93	97	91	94	89	85
•		3	101	94	89	85	93	84	90	83	88	81	78
Input Watts ² :	19.8 w	4	95	87	81	77	86	76	84	75	82	75	72
		5	90	81	75	70	80	70	78	69	76	68	66
Efficacy:	57.0 lm/w	6	85	75	69	64	74	64	73	63	71	63	61
		7	80	70	64	59	69	59	68	58	67	58	56
CRI*:	76	8	76	65	59	54	65	54	64	54	63	54	52
		9	71	61	55	50	61	50	60	50	59	50	48
Spacing Criterion:	1.1	10	68	57	51	47	57	47	56	47	55	46	45

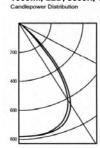
ZONE	LUMENS	%LUMINAIRE
0-30	671	59.5%
0-40	1007	89.3%
0-60	1128	99.9%
0-90	1128	100.0%

CERTIFIED TEST REPORT NO.

F099563

38'x38'x10' Room, Workplane 2 1/2'

1000lm, LED, 3500K, CCL FINISH TRIM



IGLE	0DEG		45DEG		LUMENS
1	0	781		781	
	5	779		782	76
1	0	780		783	
1	5	770		777	218
2	0	744		762	
2	5	695		720	323
3	0	613		647	
3	5	479		522	304
4	0	270		354	
4	5	117		184	121
5	0	41		64	
5	5	23		20	22
6	0	13		8	
6	5	7		5	6
7	0	4		3	
7	5	2		1	2
8	0	1		1	
8	5	0		0	0
9	0	0		0	

Trim:		CEILING	\vdash
C4X4L10DL35KCCLW		RCR	Zon
Output lumens:	1073 lm	0	1
		1	1
Correlated Color Temp1:	3500K	2	1
		3	1
Input Watts ² :	19.8 w	4	
		5	
Efficacy:	54.2 lm/w	6	
		7	
CRI*:	76	8	
		9	
Spacing Criterion:	1.1	10	

CEILING		80%		- 1	709	6	509	6 I	309	6	0%
WALL	70	50	30	10	50	10	50	10	50	10	0
RCR	Zonal Cavit	y Method - E	ffective	Floor Ca	avity Re	lectance	= 20%				
0	119	119	119	119	116	116	111	111	106	106	100
1	113	110	107	105	108	103	104	100	100	97	92
2	107	101	97	93	100	92	96	90	93	88	85
3	101	94	88	84	92	83	89	82	87	80	77
4		86	80	76	85	75	83	74	81	73	71
5	89	80	74	69	79	68	77	68	75	67	65
6	84	74	68	63	73	63	72	62	70	62	60
7	79	69	62	58	68	58	67	57	66	57	55
8	75	64	58	53	64	53	63	53	61	53	51
9	71	60	54	49	60	49	59	49	58	49	47
10	67	56	50	46	56	46	55	45	54	45	44

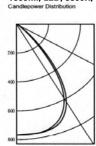
ZONE	LUMENS	%LUMINAIRE
0-30	617	57.5%
0-40	922	85.9%
0-60	1065	99.2%
0-90	1073	100.0%

RTIFIED TEST REPORT NO. F0995

8	Single Unit Data		
Height to Lighted Plane	Initial Footcandles	Bear	
5'	31	6	
6"	22	7	
7	16	8	
8'	12	9	
9'	10	10	

	Initial Footcandles	Watts/ Sq. Ft.
5'	48	0.88
6"	32	0.58
T	23	0.41
8"	19	0.34
9"	15	0.27

1000lm, LED, 3500K, CCD FINISH TRIM



FIN	ISH TRI	M	
LE	ODEG	45DEG	LUMENS
0	767	767	
5	764	767	74
10	765	767	
15	755	760	213
20	727	744	
25	676	700	213
30	595	625	
35	467	506	296
40	290	348	
45	144	189	133
50	54	76	
55	27	27	27
60	15	11	
65	8	6	8
70	4	4	
75	2	2	2
80		1	
85		0	0
90	0	0	

Trim:		CEILING		80%			709	6	50%	6	309		0%
C4X4L10DL35KCCDW		WALL	70	50	30	10		10	50	10	50	10	0
C4X4LIUDL33KGGDVV		RCR	Zonal Cav	ity Method -	Effective	Floor (Cavity Re	flectanc	e = 20%				
Output lumens:	1069 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	107	105	108	103	104	100	100	97	92
Correlated Color Temp1:	3500K	. 2	106	101	97	93	99	92	96	90	93	88	84
		3	100	93	88	83	92	83	89	81	87	80	77
Input Watts ² :	19.8 w	4	94	86	80	75	85	75	83	74	80	73	70
		5	89	79	73	68	78	68	77	67	75	67	64
Efficacy:	54.0 lm/w	6	84	74	67	62	73	62	71	62	70	61	59
		7	79	68	62	57	68	57	66.	57	65	56	54
CRI':	76	8	74	64	57	52	63	52	62	52	61	52	50
		9	70	59	53	48	59	48	58	48	57	48	46
Spacing Criterion:	1.2	10	66	56	49	45	55	45	54	45	53	45	43

ZONE	LUMENS %	LUMINAIRE
0-30	601	56.2%
0-40	898	84.0%
0-60	1059	99.1%
0-90	1069	100.0%

Bear	n	
ame	ter	_
- 6		
7		
9		
10		
11		

Multiple Unit Data - RCR 2					
Spacing	Initial	Watts/			
On Ctr.	Footcandles	Sq. Ft.			
5'	48	0.88			
6'	31	0.58			
T	22	0.41			
8'	19	0.34			
9,	15	0.27			
	Room, Workpla 30/50/20% Ref				

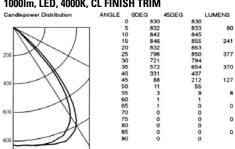
Correlated Color Temperature within specs as defined in ANSI NEMA ANSLG C78.377-2008: Specifications for the Chromaticity of Solid State Lighting Products

Wattage controlled to within 65

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Product "Color Paradierion Index within + 4, 7%.

PHILIPS LIGHTOLIER

1000im, LED, 4000K, CL FINISH TRIM



Trim:		CEILING	1	80%		- 1	709	6 I	50%	۱ ،	309	. 1	0%
C4X4L10DL40KCLW		WALL	70	50	30	10	50	10	50	10	50	10	0
CHAHLIUDLHUNGLVV		RCR	Zonal Cavit	y Method - 8	ffective	Floor C	avity Rel	flectanc	e = 20%				
Output lumens:	1203 lm	0	119	119	119	119	116	116	111	111	106	106	100
		1	113	110	108	105	108	104	104	100	100	97	93
Correlated Color Temp1:	4000K	2	107	102	97	94	100	93	97	91	94	89	85
		3	101	94	89	84	93	84	90	82	87	81	78
Input Watts ² :	19.8 w	4	95	87	81	76	86	76	84	75	82	74	72
		5	90	81	74	70	80	69	78	69	76	68	66
Efficacy:	60,8 lm/w	6	85	75	68	64	74	63	72	63	71	63	61
		7	80	70	63	58	69	58	68	58	66	58	56
CRI*:	76	8	75	65	58	54	64	54	63	53	62	53	51
		9	71	61	54	50	60	50	59	49	58	49	48
Spacing Criterion:	1.2	10	67	57	51	46	56	46	55	46	55	46	44

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

Height to	Single Unit Data Initial	Beam	0	
	Footcandles	Diameter		
5'	33	6	-	
6"	23	7	۰	
T	17	9		
8"	13	10		
9'	10	11	٠	

Multiple Unit Data - RCR 2				
Spacing	Initial	Watts/		
On Ctr.	Footcandles	Sq. Ft.		
5'	54	0.88		
6"	36	0.58		
T	25	0.41		
8'	21	0.34		
9'	17	0.27		

CERTIFIED TEST REPORT NO.

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

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