COPA 4"

CP4 SERIES | Deep Regress Downlights





Trimmed With Flange



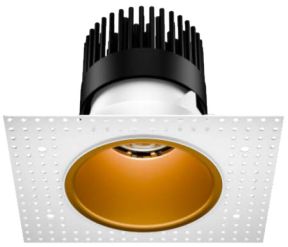
Trimless in Sheetrock and plaster only



Trimless in Wood Ceiling

Delivering up to 1900 lumens, this family of 4" aperture recessed downlights combines high performance with an expansive range of options—including optics, trim styles and configurations, beam spreads, housings, and mounting—to provide the flexibility your projects demand. Available in a wide assortment of configurations to meet nearly any design requirement, these downlights are a designer's favorite, delivering superior light in every application. Designed to bring rhythm and elegance to ceilings with soft, uniform light, they are the ideal solution for offices, hotels, restaurants, and residences—elevating any commercial or institutional space with unparalleled flexibility.





FEATURE

- Fully modular design, configure over 10,000 possibilities
- Choose from a wide range of beam angles: 15°, 24°, 36°, 60° or 100°
- Available in COB LED 90+ or 95+ CRI for exceptional color fidelity
- Options for anti-glare trim and diffuser
- 2 in 1 Dimming: 0-10V (Dim to 1%) and TRIAC in one package
- Trimmed, trimless with various shades options
- New construction and remodel driver options for any site condition



White



Black



Gold



Chrome

PERFORMANCE

Wattage Selectable	White Trim @ 3000K	
	Efficacy	Delivered Lumens
Up to 19W (5W/8W/10W/13W/16W/19W)	100LM/W	1900LM

Remark: Lumen output may vary ± 5% base on different CCT, beam angle and shade.

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COPA 4"

CP4 SERIES | Deep Regress Downlights

PRODUCT ORDERING GUIDE

Example: CP4R-TW-19W-DT1-9027-B36-HA-AW-RM

CP	4R	-	- 19W	- DT1	-		-	- HA	-
Product Family	Size and Shape	Flange Type	Wattage Selectable	Dimming Options	CRI Options	LED Color Options	Beam Options	Holder	Trim Options
CP COPA Downlight Series	**4R** QuickShip 4inch Round	**TW** QuickShip Trimmed With White Flange **TB** QuickShip Trimmed With Black Flange **TL** QuickShip Trimless Sheetrock and Plaster Only **WC** QuickShip Trimless in Wood Ceiling	**19W** QuickShip Up to 19W, 1900LM (5W, 8W, 10W, 13W, 16W , 19W Field-selectable)	**DT1** QuickShip 0-10V, (Dim To 1%) Or TRIAC Dimming	**90** QuickShip 90+ CRI **95** QuickShip 95+ CRI	**27** QuickShip 2700K COB **30** QuickShip 3000K COB **35** QuickShip 3500K COB **40** QuickShip 4000K COB **DW** QuickShip Dim to Warm 3000K-2000K Bridgelux COB (13W Max)	**B15** QuickShip Narrow Beam, 15° **B24** QuickShip Medium Beam, 24° **B36** QuickShip Wide Beam, 36° **B60** QuickShip Flood Beam, 60° **DF** QuickShip Diffuser, 100°	**HA** QuickShip Holder	**Anti-glare Trim** **AW** QuickShip White Trim **AB** QuickShip Black Trim **AG** QuickShip Gold Trim **AC** QuickShip Chrome Trim **Diffuser Trim** **DW** QuickShip White Trim **DB** QuickShip Black Trim **DG** QuickShip Gold Trim **DC** QuickShip Chrome Trim

Mounting	Optic Media(Optional)	Emergency (Optional)
RM QuickShip Remodel (Non-IC, Install from Below) **NF** QuickShip New Construction-Frame Kit (Non-IC, Install from Above) **NH** QuickShip New Construction-Housing Insulation Kit (IC, Install from Above)	**{Blank}** None **HB** QuickShip Honeycomb (Only For 15°~60°)	**{Blank}** None **EM** QuickShip 16W LED Emergency Driver

STRUCTURE

Finish

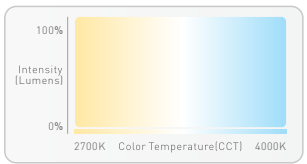
Constructed of rigid die-cast aluminum with a powder-coated polyester paint finish, available in standard white and black.

LED System

LED	Powered by CREE or Bridgelux high efficiency COB LED chip.
CRI/CCT	90+ for 2700K,3000K, 3500K and 4000K fixed CCT or 95+ CRI for Dim to Warm3000K to 2000K.
Heatsink	Housing acts as a heat sink to maximize lifespan, with all heat sink temperatures controlled

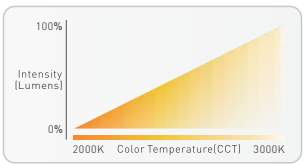
Fixed CCT

- 2700K, 3000K, 3500K, 4000K
- 90+CRI



Dim to Warm

- 2000K - 3000K
- 95+CRI



Listings

- cULus listed for damp locations
- Five-year warranty for parts and components. (Labor not included)

Electrical

LED Driver	Powered by Class 2 high-efficiency driver with 0-10V (dim to 1%) or Triac dimming. Thermal overload protection included.
THD	<20%
Power Factor	>0.9
Input Voltage	Standard LED drivers are cULus recognized. Available for 110-277V AC.
Environment	Damp rated. Ambient operating temperature: -20°C to +40°C (-4°F to 104°F).

Dimmer Compatible

0-10V Dimming (Dim to 1%)

LEVITON DD710	LUTRON NTSTV-DV	LEGRAND RH4FBL3	LUTRON DVSTV	LEVITON IP710
✓	✓	✓	✓	✓

TRIAC Dimming

LUTRON DV600P	LUTRON DVCL-153P	LEVITON 6683	LUTRON DV603P	LEVITON 6672	LUTRON S-603P	LUTRON LG-600P
✓	✓	✓	✓	✓	✓	✓

LUTRON MSCL-DP153M	LUTRON TGCL-153DH	LUTRON SCL-153P	LUTRON CTCL-153P	LUTRON CT-603PG
✓	✓	✓	✓	✓

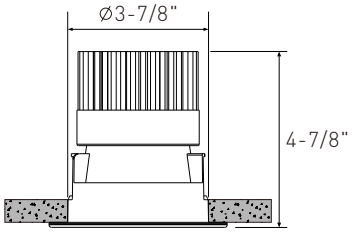
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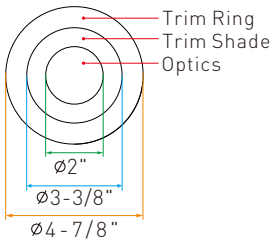
DIMENSIONS

4" ROUND TRIM

CP4-TW/TB







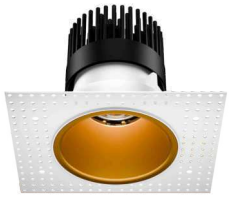


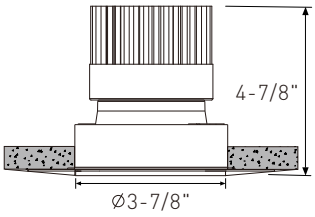
Trimmed With Flange

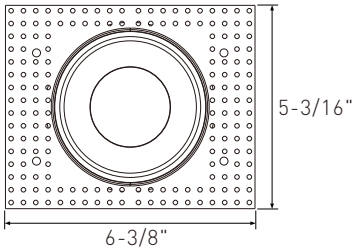
Opening Size Reference: ø4"(Round Hole)

4" ROUND TRIMLESS

CP4-TL







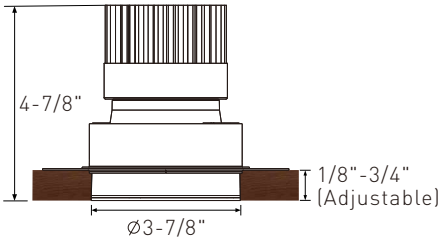


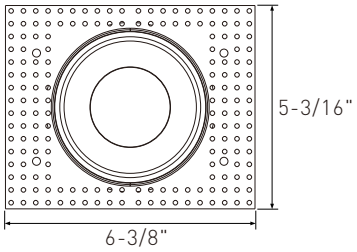
Trimless in Sheetrock and plaster only

Opening Size Reference: ø4-3/16"(Round Hole)

CP4-WC



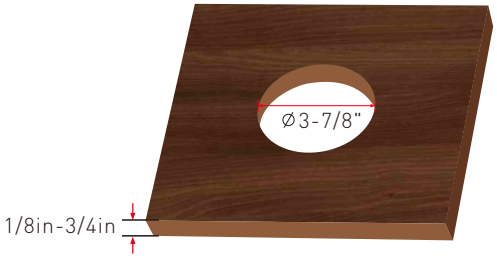






Trimless in Wood Ceiling

Opening Size Reference: ø3-7/8"(Round Hole)

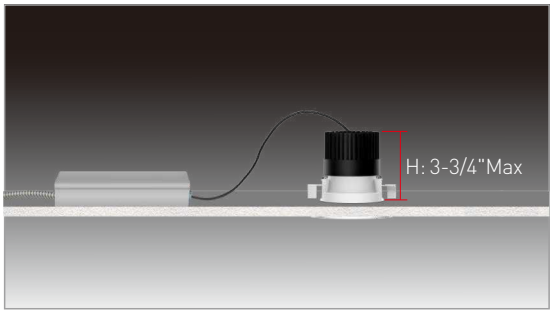


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MOUNTING

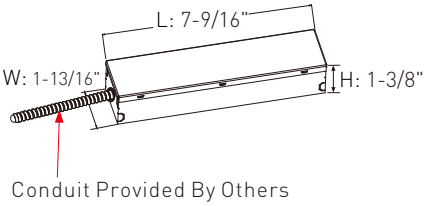
Remodel(NON-IC Rated, Install From Below)



It can be installed in existing ceilings for remodel application.
Simple cut a hole in existing drywall ceilings.

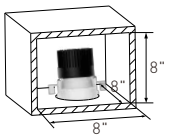
Remote Driver Box

1 Downlight per Remote Driver

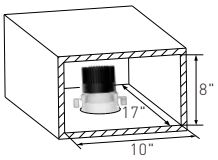


Mounting Space Required

Up to 10W: Min 8"×8"×8"



Up to 19W: Min 17"×10"×8"



New Construction-Frame Kit (NON-IC Rated, Install From Above)

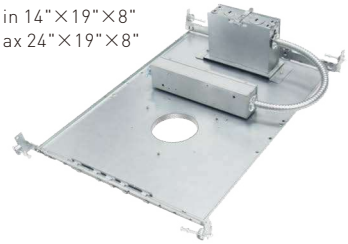
A rough-in frame option is available for all new constructions and a variety of ceiling types. LED driver box rests on the frame kit by magnet when installed as shown below.

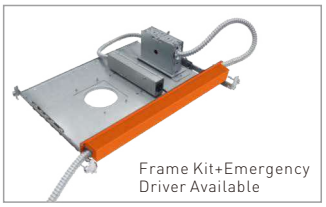
Mounting Space Required

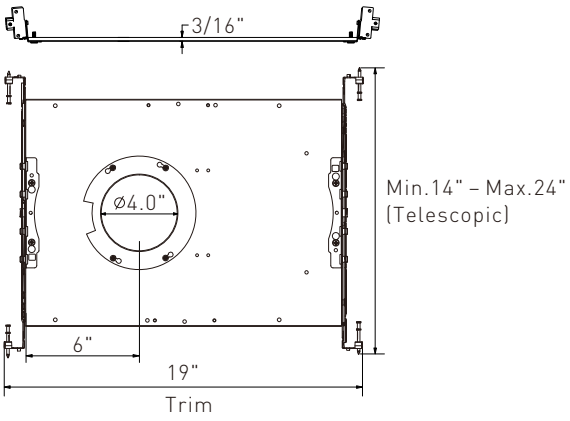
Frame Kit (NON-IC)

Min 14"×19"×8"

Max 24"×19"×8"







New Construction-Housing Insulation Kit (IC Rated, Install From Above)

An IC-rated housing frame kit allows placement of 4inch LED downlight in direct contact with insulation.

Mounting Space Required

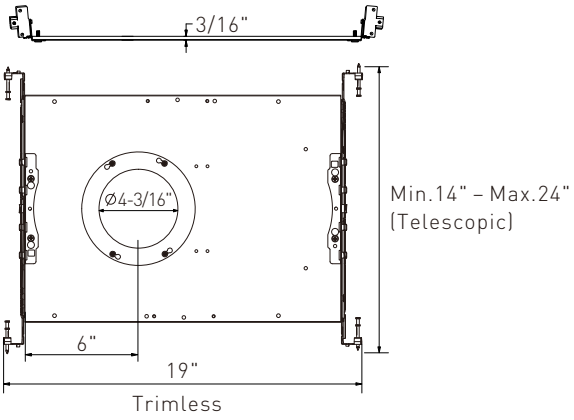
Housing Insulation Kit (IC)

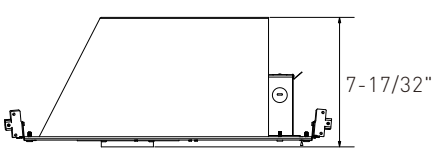
Min 14"×19"×7-5/16"

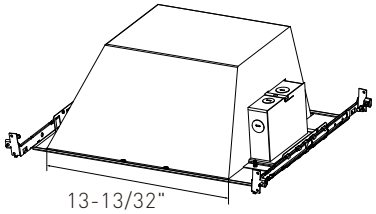
Max 24"×19"×7-5/16"









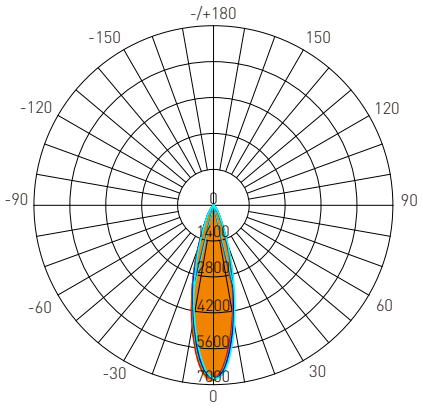


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DISTRIBUTION DIAGRAM

4" / 3000K / 24°



AVERAGE BEAM ANGLE(50%): 27.2°

Lumens: 2016.63 Lm
Watts: 19 W
LPW: 107.30 Lm/W
CCT: 3000K

UNIT: cd
C0/180,27.3°
C30/210,27.3°
C60/240,27.2°
C90/270,27.1°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	4315	4484	4703	4803	4805
20	1472	1554	1667	1715	1766
30	446.7	456.8	478.2	489.4	511.8
40	92.46	104.3	117.8	119.0	114.0
50	29.78	30.43	30.99	30.96	30.29
60	20.55	21.33	21.96	21.74	21.09
70	11.62	12.25	12.76	12.61	12.17
80	4.629	5.080	5.441	5.392	5.097
90	0.1473	0.1377	0.1356	0.1507	0.1158
100	0.2271	0.2318	0.2353	0.2197	0.1917
110	0.7168	0.6772	0.6605	0.6182	0.3793
120	2.061	2.000	1.909	1.822	0.9638
130	5.428	5.256	5.013	4.884	2.696
140	9.979	9.820	9.583	9.419	6.527
150	13.41	13.30	13.21	13.09	11.20
160	14.54	14.38	14.46	14.34	13.86
170	13.30	13.27	13.37	13.39	13.27
180	12.50	12.66	12.51	12.62	12.56
DEG	LUMINOUS INTENSITY:cd				

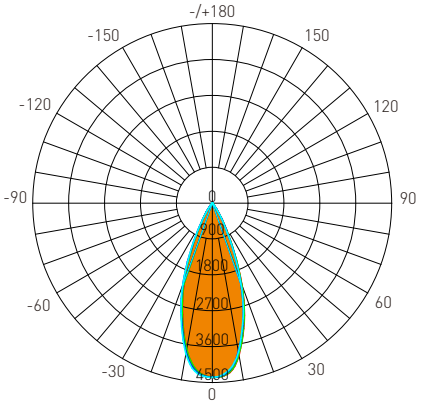
Zonal Lumens

T	Φ total
0-10	529.1
10-20	1330
20-30	1730
30-40	1902
40-50	1941
50-60	1964
60-70	1980
70-80	1988
80-90	1990
90-100	1991
100-110	1991
110-120	1992
120-130	1994
130-140	1999
140-150	2005
150-160	2011
160-170	2015
170-180	2017
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	2603	3500
80	3330	3860
75	3814	4208
70	4244	4597
65	4687	4993
60	5135	5410
55	5558	5695
50	5788	5939
45	7412	9088

4" / 3000K / 36°



AVERAGE BEAM ANGLE(50%): 39.2°

Lumens: 2001.3 Lm
Watts: 19 W
LPW: 106.68 Lm/W
CCT: 3000K

UNIT: cd
C0/180,39.0°
C30/210,39.2°
C60/240,39.2°
C90/270,39.3°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	3870	3807	3783	3729	3719
20	2161	2102	2075	1989	2032
30	564.3	539.9	515.7	501.7	516.7
40	70.77	68.48	72.81	78.96	86.69
50	18.61	18.11	18.72	19.73	20.52
60	12.68	12.54	13.22	14.17	14.96
70	7.184	7.093	7.592	8.308	8.879
80	2.846	2.809	3.087	3.524	3.868
90	0.1036	0.0970	0.0903	0.0862	0.0946
100	0.1530	0.1713	0.1851	0.1670	0.1352
110	0.6427	0.6447	0.6684	0.6520	0.3021
120	2.150	2.234	2.298	2.310	1.073
130	5.183	5.295	5.403	5.473	3.296
140	9.141	9.249	9.373	9.466	6.994
150	12.74	12.80	12.89	12.93	10.97
160	14.33	14.09	14.23	14.10	13.30
170	13.69	13.52	13.46	13.43	13.24
180	13.56	13.65	13.54	13.72	13.54
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	Φ total
0-10	393.0
10-20	1214
20-30	1759
30-40	1913
40-50	1943
50-60	1957
60-70	1968
70-80	1974
80-90	1975
90-100	1976
100-110	1976
110-120	1977
120-130	1979
130-140	1984
140-150	1990
150-160	1996
160-170	2000
170-180	2001
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	1552	1778
80	2026	2194
75	2330	2473
70	2597	2740
65	2865	3004
60	3136	3265
55	3429	3491
50	3579	3594
45	5190	5696

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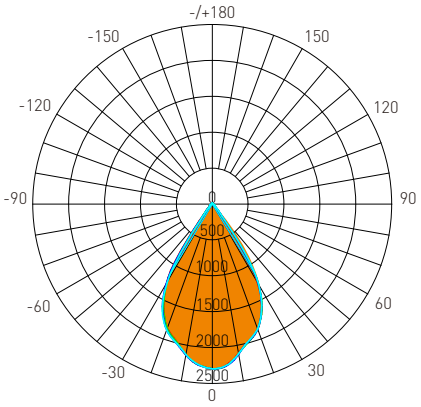
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COPA 4"

CP4 SERIES | Deep Regress Downlights

DISTRIBUTION DIAGRAM

4" / 3000K / 60°



AVERAGE BEAM ANGLE(50%): 62.6°

Lumens: 2085.04 Lm
Watts: 19 W
LPW: 110.99 Lm/W
CCT: 3000K

UNIT: cd
C0/180,62.5°
C30/210,62.6°
C60/240,62.9°
C90/270,62.6°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	2106	2123	2117	2119	2132
20	1849	1855	1849	1825	1837
30	1252	1287	1296	1269	1278
40	164.8	173.1	183.6	185.0	189.6
50	51.86	52.76	54.61	56.09	56.28
60	39.45	40.71	42.84	44.13	43.97
70	23.40	24.32	25.76	26.63	26.51
80	9.370	9.915	10.76	11.25	11.18
90	0.2237	0.2119	0.2078	0.2103	0.1789
100	0.4419	0.4208	0.4070	0.3756	0.2773
110	1.456	1.434	1.396	1.348	0.6402
120	3.265	3.243	3.204	3.151	1.955
130	5.750	5.724	5.654	5.610	4.129
140	8.602	8.553	8.514	8.469	6.830
150	11.03	10.96	10.97	10.90	9.265
160	12.66	12.47	12.54	12.37	11.12
170	13.80	13.76	13.77	13.70	13.05
180	14.38	14.48	14.43	14.49	14.37
DEG	LUMINOUS INTENSITY:cd				

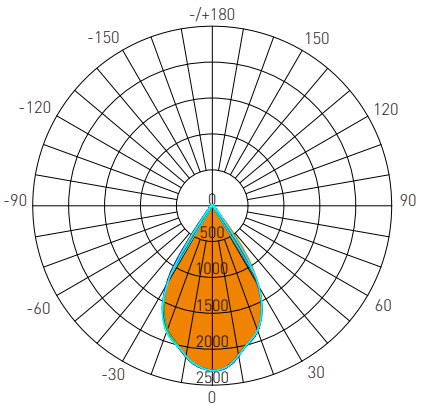
Zonal Lumens

T	Φ total
0-10	210.8
10-20	768.1
20-30	1503
30-40	1885
40-50	1960
50-60	2003
60-70	2036
70-80	2054
80-90	2059
90-100	2059
100-110	2060
110-120	2061
120-130	2065
130-140	2069
140-150	2075
150-160	2080
160-170	2084
170-180	2085
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	5162	6546
80	6721	2194
75	7693	8467
70	8522	9284
65	9253	10002
60	9826	10561
55	10143	10665
50	10049	10471
45	15270	16635

4" Diffuser/ 3000K / 100°



AVERAGE BEAM ANGLE(50%): 106.8°

Lumens: 1880.05 Lm
Watts: 19 W
LPW: 99.64 Lm/W
CCT: 3000K

UNIT: cd
C0/180,106.7°
C30/210,106.7°
C60/240,106.8°
C90/270,106.9°

Zonal Flux Diagram

T	C0	C45	C90	C135	C180
10	699.3	699.4	700.2	700.6	701.6
20	660.6	661.1	662.7	663.4	665.1
30	594.4	595.5	597.9	599.1	601.5
40	503.2	504.0	507.0	508.9	511.5
50	392.2	393.2	396.5	398.7	401.9
60	267.8	268.8	272.2	274.3	278.6
70	138.3	139.6	142.9	144.6	147.9
80	28.09	28.93	30.95	32.06	34.26
90	1.188	1.196	1.193	1.190	0.8472
100	1.908	1.921	1.907	1.879	1.379
110	2.787	2.797	2.798	2.760	2.146
120	3.737	3.748	3.751	3.702	3.020
130	4.669	4.659	4.677	4.619	3.886
140	5.539	5.503	5.536	5.470	4.751
150	6.262	6.237	6.281	6.215	5.630
160	6.921	6.840	6.900	6.826	6.464
170	7.346	7.355	7.370	7.333	7.155
180	7.498	7.558	7.518	7.533	7.529
DEG	LUMINOUS INTENSITY:cd				

Zonal Lumens

T	Φ total
0-10	67.46
10-20	260.7
20-30	552.9
30-40	900.2
40-50	1250
50-60	1551
60-70	1756
70-80	1845
80-90	1858
90-100	1859
100-110	1861
110-120	1864
120-130	1867
130-140	1871
140-150	1874
150-160	1877
160-170	1879
170-180	1880
UNIT: lm	

Luminance cd/(m2)

G(DEG)	C0/180	C90/270
85	14470	15554
80	20195	21966
75	37200	38729
70	50464	51504
65	59958	60374
60	66849	67084
55	72089	72242
50	76175	76021
45	79403	79114

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