

application

- The Philips Capri CRL5K-G1 incorporates the latest in solid state technology to provide optimal lighting performance for both residential and light commercial applications. The all-in-one design makes it ideal for new construction and retrofit opportunities, and provides equivalent illumination compared to incumbent incandescent and halogen directional light sources. The CRL5K-G1 is cETLus classified for use with most Capri 5" cans as well as many competitors downlights to maximize retrofit potential.

light engine

- Light engine incorporates the latest technology from Philips Lumileds and provides light output and distribution comparable to a 65W BR30 incandescent.
- Consumes less than 13W of input power.
- Long life LEDs provide over 50,000 hours at 70% lumen maintenance.
- LED Module – Multi-chip printed circuit board assembly provides excellent color consistency between trims. Available in 2700K and 3500K correlated color temperatures (CCT), and a typical color rendering index (CRI) of 85.
- LED Driver – 120V, 50/60Hz, >0.90 power factor, UL8750 compliant class 2. Verified to be compliant to FCC 47CFR part 15 Class B. Class A noise rating. Dimmable to 15% on ELV and triac dimmer controls (see Recommended Dimmer List on back).

construction

- All-in-one module with integral driver accommodates easy installation.
- Die-Cast Heat Sink – Large finned yet lightweight die-cast aluminum heat sink engineered to provide maximum thermal management to optimize balance of performance and longevity. LEDs perform in excess of 50,000 hours at 70% lumen maintenance.

- Lower Trim Casting – Die-cast aluminum finned trim assembly is thermally coupled to the upper heat sink to maximize thermal management. Integral flange provides a clean aesthetic appeal.
- Mixing Chamber – Deep mixing chamber with high efficiency gloss white paint for maximum brightness and efficiency.
- Lens – Acrylic high efficiency lens diffuses the light into the appearance of a single light source without pixilated glare.
- Torsion Springs – Allow for easy, rigid attachment to the housing. Provide positive retention and a snug fit to the ceiling eliminating the potential for gaps.

listings

- cETLus classified for use in wet locations, IC and non-IC applications. Classification allows compliant use with most 5" Capri and many competitive 5" cans maximizing retrofit potential (see Can Compatibility Chart).
- Warranty – 5 year manufacturer's warranty applicable to both IC and non-IC applications up to a 35°C ambient temperature.

accessories

- 5" Oversize Ring, White OV5 (5.4" I.D., 7.5" O.D.)



RC5-10

Rev. 2/12

Recessed Downlight

CRL5K-G1

5" LED Recessed
Wet Location New Construction/
Retrofit Downlight



Specifier's Reference

Project

Type

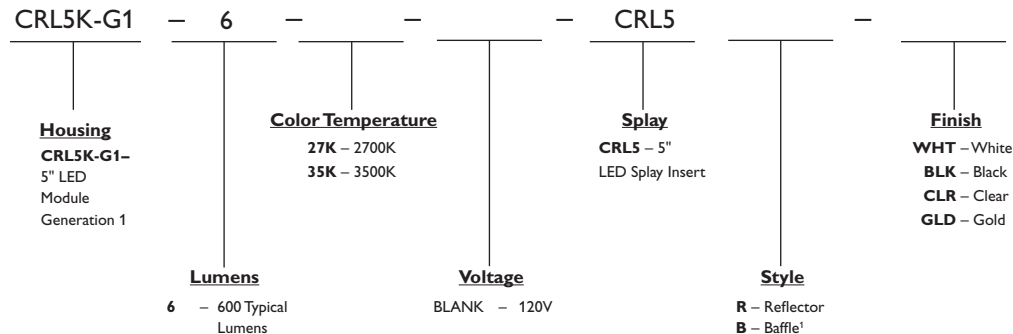
Model No.

Comments

Green Choice: CRL5K-G1-6-27K-CRL5B-WHT

housing

trim accessories²

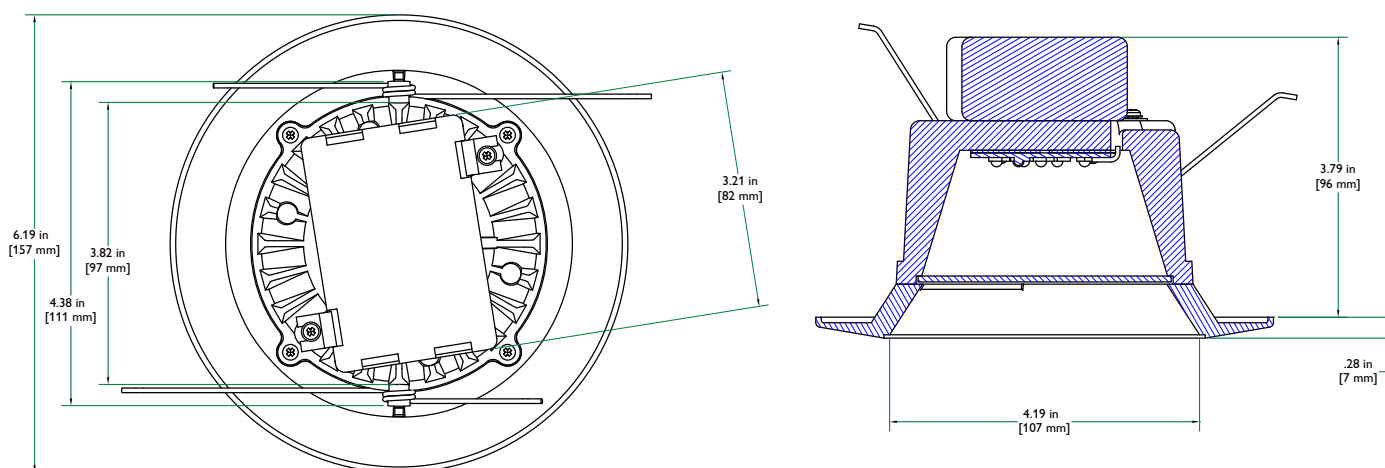


Footnotes

- Baffle available in white or black only.
- CRL5K-G1 trim and accessory splay ordered and shipped as separate line items.

PHILIPS
capri

dimensions



5" CRL5K Housing Compatibility Chart

Manufacturer	SKU
Capri	CR5QP
Capri	QL5QP
Capri	R5
Halo	H5ICAT
Halo	H5T
All-Pro	EI500AT
Lithonia	L5
Juno	TC20

Manufacturer	SKU
Elite	B5IC
Elite	B5
Elco	EL5ICA
Elco	R5H
Nora	NHIC-501QAT
Nora	NH-501Q
Sea Gull	11128
SeaGull	11107

Following is a list of standard incandescent leading edge dimmers recommended for use with the CRL5K-G1:

Leviton, Illumitech Series (Part numbers IPI06-XXX)
 Leviton, Trimatron Series (Part numbers 6602-X, 6681-X, 6683-X, 6684-X, 700-X and 705-X)
 Leviton, SureSlide Series (Part Numbers 6631, 6633)
 Lutron Skylark Series (Part Number S-600, S2-LH)
 Cooper, Aspire Series (Part numbers 9530XXX)

The following Electronic Low Voltage (ELV) dimmers are also recommended for use with the CRL5K-G1:

Lutron Nova T Series (Part number NTELV-600)
 Lutron Faedra (Part Number FAELV-500-XX)
 Leviton Vizia (Part Number VPE04)

photometrics

CRL5K-G1-6-35K-CRL5R-BLK

Tested to LM-79 standards.

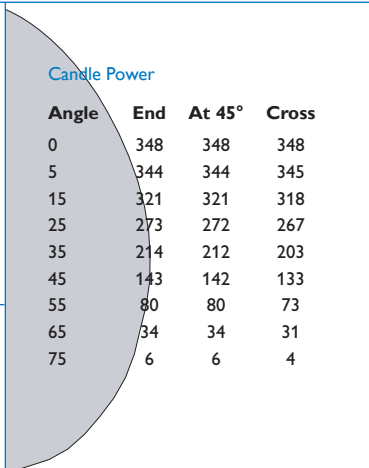
Clear Specular Reflector		Candle Power <table><thead><tr><th>Angle</th><th>End</th><th>At 45°</th><th>Cross</th></tr></thead><tbody><tr><td>0</td><td>356</td><td>356</td><td>356</td></tr><tr><td>5</td><td>350</td><td>351</td><td>353</td></tr><tr><td>15</td><td>322</td><td>324</td><td>327</td></tr><tr><td>25</td><td>270</td><td>272</td><td>274</td></tr><tr><td>35</td><td>210</td><td>212</td><td>210</td></tr><tr><td>45</td><td>138</td><td>139</td><td>137</td></tr><tr><td>55</td><td>78</td><td>78</td><td>75</td></tr><tr><td>65</td><td>34</td><td>34</td><td>31</td></tr><tr><td>75</td><td>6</td><td>6</td><td>4</td></tr></tbody></table>				Angle	End	At 45°	Cross	0	356	356	356	5	350	351	353	15	322	324	327	25	270	272	274	35	210	212	210	45	138	139	137	55	78	78	75	65	34	34	31	75	6	6	4
Angle	End					At 45°	Cross																																						
0	356					356	356																																						
5	350					351	353																																						
15	322					324	327																																						
25	270					272	274																																						
35	210					212	210																																						
45	138	139	137																																										
55	78	78	75																																										
65	34	34	31																																										
75	6	6	4																																										
Test No.	30081																																												
S/MH	(0 degree plane) 1.1																																												
Lamp Type	10 White LED's																																												
Total Fixture Lumens	594																																												
IES File	30081.ies																																												
Input Watts	11																																												
Luminaire Efficacy	52 LPW																																												
Comp Yearly Energy Cost at \$0.08/KWh = \$4.62																																													

Average Luminance						
Angle	End	At 45°	Cross			
45	36770	37009	36291			
55	25598	25631	24550			
65	15080	15125	13879			
75	4286	4286	3196			
85	0	0	0			

Coefficients of Utilization						
pcc	80			70		
pw	70	50	30	70	50	30
RCR						
0	118	118	118	115	115	115
1	112	108	105	109	106	103
2	104	96	92	101	95	91
3	95	88	81	93	85	80
4	90	80	72	88	78	71
5	82	72	65	81	71	64
6	78	66	58	76	65	57
7	72	60	53	70	59	53
8	68	56	48	67	56	47
9	64	52	45	63	52	45
10	59	47	40	58	47	40

CRL5K-G1-6-27K-CRL5R-BLK

Tested to LM-79 standards.

Clear Specular Reflector		 Candle Power <table><tr><th>Angle</th><th>End</th><th>At 45°</th><th>Cross</th></tr><tr><td>0</td><td>348</td><td>348</td><td>348</td></tr><tr><td>5</td><td>344</td><td>344</td><td>345</td></tr><tr><td>15</td><td>321</td><td>321</td><td>318</td></tr><tr><td>25</td><td>273</td><td>272</td><td>267</td></tr><tr><td>35</td><td>214</td><td>212</td><td>203</td></tr><tr><td>45</td><td>143</td><td>142</td><td>133</td></tr><tr><td>55</td><td>80</td><td>80</td><td>73</td></tr><tr><td>65</td><td>34</td><td>34</td><td>31</td></tr><tr><td>75</td><td>6</td><td>6</td><td>4</td></tr></table>				Angle	End	At 45°	Cross	0	348	348	348	5	344	344	345	15	321	321	318	25	273	272	267	35	214	212	203	45	143	142	133	55	80	80	73	65	34	34	31	75	6	6	4
Angle	End					At 45°	Cross																																						
0	348					348	348																																						
5	344					344	345																																						
15	321					321	318																																						
25	273					272	267																																						
35	214					212	203																																						
45	143	142	133																																										
55	80	80	73																																										
65	34	34	31																																										
75	6	6	4																																										
Test No.	30082																																												
S/MH	(0 degree plane) 1.1																																												
Lamp Type	11 White LED's																																												
Total Fixture Lumens	575																																												
IES File	30082.ies																																												
Input Watts	13																																												
Luminaire Efficacy	44 LPW																																												
Comp Yearly Energy Cost at \$0.08/KWh = \$5.45																																													

Average Luminance						
Angle	End	At 45°	Cross			
45	37993	37674	35440			
55	26287	26123	24058			
65	15125	15080	13612			
75	4068	4068	2833			
85	0	0	0			

Coefficients of Utilization						
pcc	80			70		
pw	70	50	30	70	50	30
RCR						
0	118	118	118	115	115	115
1	112	108	105	109	106	103
2	104	96	92	101	95	91
3	95	88	81	93	86	81
4	90	80	72	88	79	71
5	82	72	65	81	71	64
6	78	66	58	76	66	57
7	72	60	53	70	59	53
8	68	56	48	67	56	48
9	64	52	45	63	52	45
10	59	48	40	58	47	40

CRL5K-G1-6-27K-CRL5R-CLR

Tested to LM-79 standards.

Clear Specular Reflector		Candle Power				Average Luminance			
Test No.	30153	Angle	End	At 45°	Cross	Angle	End	At 45°	Cross
S/MH	(0 degree plane) 1.0					45	21324	21478	21942
Lamp Type	11 White LED's	0	413	413	413	55	14477	15049	15620
Total Fixture Lumens	637	5	411	408	404	65	8790	9049	9307
IES File	30153.ies	15	368	367	364	75	3799	4222	4644
Input Watts	13	25	295	294	295	85	1254	2507	3761
Luminaire Efficacy	49 LPW	35	215	213	215				
		45	138	139	142	Coefficients of Utilization			
		55	76	79	82	pcc	80		70
		65	34	35	36	pw	70	50	30
		75	9	10	11	RCR			
		85	1	2	3	0	118	118	118
						1	111	108	104
						2	104	96	92
						3	95	88	81
						4	89	79	71
						5	82	71	65
						6	78	66	58
						7	72	60	53
						8	68	56	48
						9	64	52	45
						10	60	48	41

CRL5K-G1-6-35K-CRL5R-CLR

Tested to LM-79 standards.

Clear Specular Reflector		Candle Power				Average Luminance			
Test No.	30187	Angle	End	At 45°	Cross	Angle	End	At 45°	Cross
S/MH	(0 degree plane) 1.0	0	432	432	432	45	23332	22869	22560
Lamp Type	10 White LED's	5	424	427	429	55	16763	16382	15811
Total Fixture Lumens	675	15	380	385	384	65	10858	10083	9566
IES File	30187.ies	25	310	309	308	75	5910	4644	4644
Input Watts	11	35	227	227	223	85	0	0	0
Luminaire Efficacy	61 LPW	45	151	148	146	Coefficients of Utilization			
Comp Yearly Energy Cost at \$0.08/KWh = \$3.93		55	88	86	83	pcc	80		
		65	42	39	37	pw	70	50	30
		75	14	11	11	RCR	70		
		85	0	0	0	0	118	118	118
						1	111	108	105
						2	104	96	92
						3	95	88	81
						4	89	79	71
						5	82	71	65
						6	78	66	57
						7	72	60	53
						8	68	56	48
						9	64	52	45
						10	59	48	40

CRL5K-G1-6-27K-CRL5B-WHT

Tested to LM-79 standards.

Clear Specular Reflector		Candle Power				Average Luminance			
Test No.	30263	Angle	End	At 45°	Cross	Angle	End	At 45°	Cross
S/MH	(0 degree plane) 1.1	0	338	338	338	45	20551	20860	21169
Lamp Type	11 White LED's	5	336	335	333	55	15430	15620	15811
Total Fixture Lumens	606	15	311	309	307	65	10600	10600	10600
IES File	30263.ies	25	263	262	261	75	5488	5910	5910
Input Watts	13	35	205	204	207	85	3761	5015	6268
Luminaire Efficacy	47 LPW	45	133	135	137	Coefficients of Utilization			
Comp Yearly Energy Cost at \$0.08/KWh = \$5.11		55	81	82	83	pcc	80		
		65	41	41	41	pw	70	50	30
		75	13	14	14	RCR	70		
		85	3	4	5	0	118	118	118
						1	111	107	103
						2	103	95	90
						3	94	85	79
						4	88	78	69
						5	81	69	61
						6	76	64	56
						7	70	58	51
						8	66	54	46
						9	61	50	42
						10	58	46	39

CRL5K-G1-6-35K-CRL5B-WHT

Tested to LM-79 standards.

Clear Specular Reflector		Candle Power				Average Luminance			
Test No.	30269	Angle	End	At 45°	Cross	Angle	End	At 45°	Cross
S/MH	(0 degree plane) 1.1	0	343	343	343	45	22405	22251	22560
Lamp Type	10 White LED's	5	340	340	338	55	16763	16573	16954
Total Fixture Lumens	633	15	315	315	313	65	11634	11634	11634
IES File	30269.ies	25	270	268	268	75	6754	7177	7599
Input Watts	11	35	214	216	218	85	7522	7522	8775
Luminaire Efficacy	58 LPW	45	145	144	146	Coefficients of Utilization			
Comp Yearly Energy Cost at \$0.08/KWh = \$4.14		55	88	87	89	pcc	80		
		65	45	45	45	pw	70	50	30
		75	16	17	18	RCR	70		
		85	6	6	7	0	118	118	118
						1	111	107	103
						2	102	94	89
						3	94	84	78
						4	86	77	68
						5	81	69	61
						6	76	64	56
						7	70	57	50
						8	66	54	46
						9	61	50	41
						10	57	46	39



©2011 Philips Omega
All rights reserved.

776 South Green Street • Tupelo, MS 38804
p. 800.234.1890 • f. 662.841.5501
www.omegalighting.com
Canadian Division
189 Bullock Drive • Markham, Ontario L3P 1W4
p. 905.294.9570 • f. 905.294.9811

Contact Factory for Additional Configurations.

Specifications are subject to change without notice.

Consult website for latest version of this spec sheet.

Some luminaires use fluorescent or high intensity discharge (HID) lamps

that contain small amounts of mercury. Such lamps are labeled,

"Contain Mercury" and/or the symbol "Hg". Lamps that contain

mercury must be disposed of in accordance with local requirements.

Information regarding lamp recycling and disposal can be found at

www.lamprecycle.org

