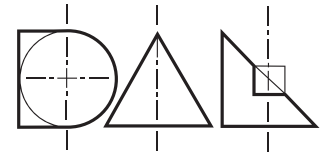


# AMBIANCE 100 DIRECTIONAL

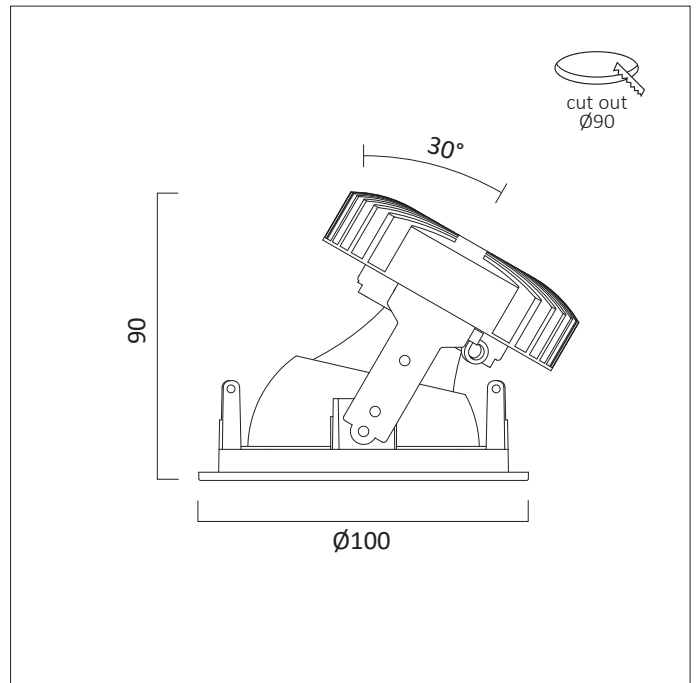
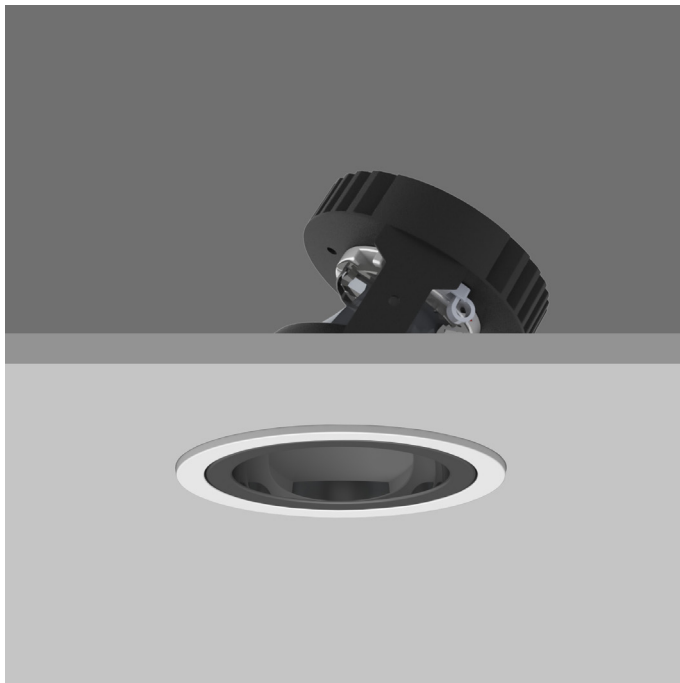


AMBIANCE 100 DIRECTIONAL Round recessed downlighter with standard white ceiling trim and a choice of deep cone reflector finish and beam distribution. 0-30° lockable tilt. The high-quality precision light controller and deep cone aluminium reflector gives visual comfort. The AMBIANCE 100 DIRECTIONAL is easy to install and incorporates the latest, high efficiency LED technology. Colour consistency through life is ensured by state-of-the-art components and passive cooling aluminium heat sinks.

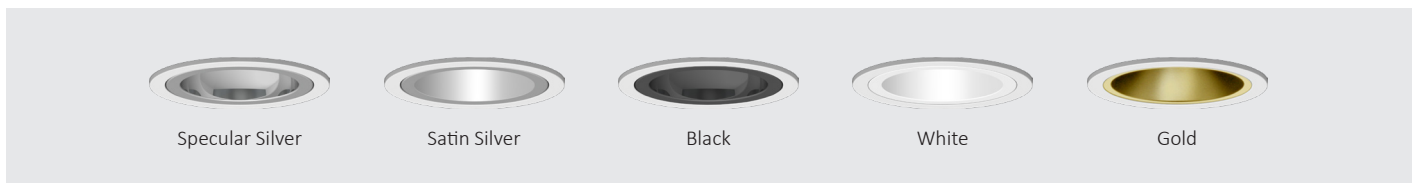
Standard colour temperatures: 2700K, 3000K, 4000K, colour rendering Ra >80 & 90 2 step Macadam are all available. Life 50000 hours.

A choice of drivers provide fixed supply or dimming to project requirements. IP20 or IP44 durable, high specification diecast construction, colour powder coat finish provides longevity.

Built to conform to the requirements of BS EN 60598-1 and IEC 598.



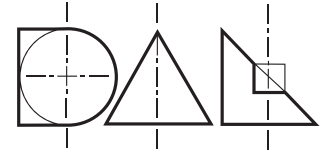
## Reflector Finish Variations



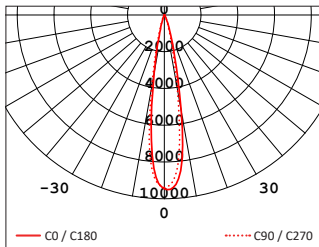
### PRODUCT CODING EXAMPLE: C054113H290

Series	Distribution	Reflector Colour	Initial Lumen	LED	Colour Temp	Driver Protocol	Emergency Protocol
C05 IP20 C06 IP44	2 19° 3 25° 4 37° 5 50°	1 Specular Silver 2 Satin Silver 3 Black 4 White 5 Gold	11 1150 lm 18 1600 lm 22 2200 lm	J Cree (Ra90)  A Xicato (Ra80)	2 2700K 3 3000K 5 4000K	0 Fixed 1 1-10V 3 DSI 5 DALI 7 Lead / Trail 9 Addressable	0 None E Emergency N Non-maintained
	4 40° 5 50°		09 965 lm 13 1300 lm 14 1490 lm 20 2000 lm				
<b>C05</b>	<b>4</b>	<b>1</b>	<b>13</b>	<b>J</b>	<b>2</b>	<b>9</b>	<b>0</b>

# CREE Light Engine - 2700K For 19° / 25° / 37° / 50° Beam

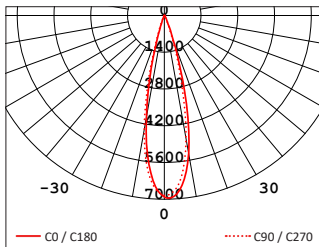


LED 2700K	Beam Angle	Lumen Source	Delivered Lumens	LOR	Luminous Intensity	Current	Forward Voltage	LED W	CRI	UGR	Mac adam
Standard Module	19°	1050 lm	840 lm	80%	6190 cd	250mA	33.4V	8W	90	<16	2 step
		1450 lm	1160 lm		8548 cd	350mA	34.2V	11W			
		2000 lm	1600 lm		11791 cd	500mA	35.3V	17W			
	25°	1050 lm	882 lm	84%	4530 cd	250mA	33.4V	8W	90	<16	2 step
		1450 lm	1218 lm		6256 cd	350mA	34.2V	11W			
		2000 lm	1680 lm		8629 cd	500mA	35.3V	17W			
	37°	1050 lm	861 lm	82%	2084 cd	250mA	33.4V	8W	90	<16	2 step
		1450 lm	1189 lm		2878 cd	350mA	34.2V	11W			
		2000 lm	1640 lm		3970 cd	500mA	35.3V	17W			
	50°	1050 lm	850 lm	81%	1318 cd	250mA	33.4V	8W	90	<16	2 step
		1450 lm	1174 lm		1820 cd	350mA	34.2V	11W			
		2000 lm	1620 lm		2510 cd	500mA	35.3V	17W			



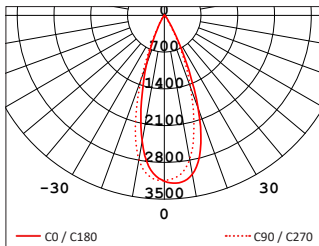
19°		1050 lm	1450 lm	2000 lm
1	0.32	6190	8548	11791
2	0.65	1547	2137	2947
3	0.97	687	949	1310
4	1.30	386	534	736
5	1.63	247	341	471
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

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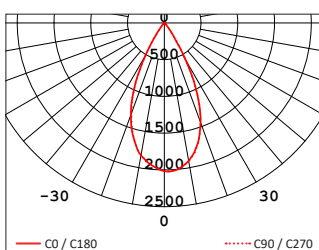
25°		1050 lm	1450 lm	2000 lm
1	0.43	4530	6256	8629
2	0.87	1132	1564	2157
3	1.31	503	695	958
4	1.75	283	391	539
5	2.18	181	250	345
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

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37°		1050 lm	1450 lm	2000 lm
1	0.67	2084	2878	3970
2	1.34	521	719	992
3	2.01	231	319	441
4	2.68	130	179	248
5	3.36	83	115	158
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

1-220606-T1

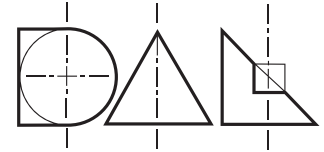


50°		1050 lm	1450 lm	2000 lm
1	0.93	1318	1820	2510
2	1.86	329	455	627
3	2.79	146	202	278
4	3.72	82	113	156
5	4.65	52	72	100
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

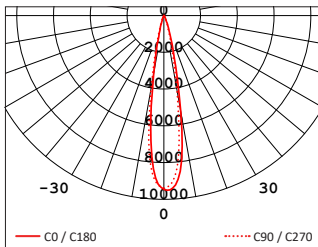
1-220606-T1

Beam diameter to 50% of E-max

# CREE Light Engine - 3000K For 19° / 25° / 37° / 50° Beam

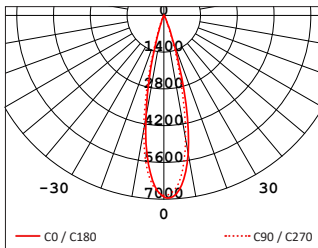


LED 3000K	Beam Angle	Lumen Source	Delivered Lumens	LOR	Luminous Intensity	Current	Forward Voltage	LED W	CRI	UGR	Mac adam
Standard Module	19°	1100 lm	880 lm	80%	6485 cd	250mA	33.4V	8W	90	<16	2 step
		1500 lm	1200 lm		8843 cd	350mA	34.2V	11W			
		2100 lm	1680 lm		12081 cd	500mA	35.3V	17W			
	25°	1100 lm	924 lm	84%	4746 cd	250mA	33.4V	8W	90	<16	2 step
		1500 lm	1260 lm		6472 cd	350mA	34.2V	11W			
		2100 lm	1764 lm		9060 cd	500mA	35.3V	17W			
	37°	1100 lm	902 lm	82%	2183 cd	250mA	33.4V	8W	90	<16	2 step
		1500 lm	1230 lm		2977 cd	350mA	34.2V	11W			
		2100 lm	1722 lm		4169 cd	500mA	35.3V	17W			
	50°	1100 lm	891 lm	81%	1380 cd	250mA	33.4V	8W	90	<16	2 step
		1500 lm	1215 lm		1882 cd	350mA	34.2V	11W			
		2100 lm	1701 lm		2636 cd	500mA	35.3V	17W			



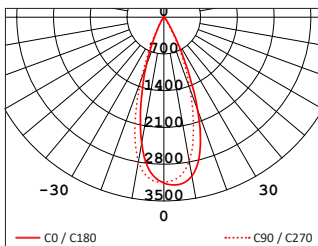
1-220606-T1

19°		1100 lm	1500 lm	2100 lm
1	0.32	6485	8843	12081
2	0.65	1621	2210	3020
3	0.97	720	982	1342
4	1.30	405	552	755
5	1.63	259	353	483
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)



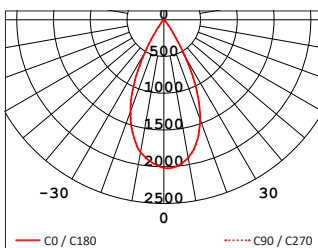
1-220606-T1

25°		1100 lm	1500 lm	2100 lm
1	0.43	4746	6472	9060
2	0.87	1186	1618	2265
3	1.31	527	719	1006
4	1.75	296	404	566
5	2.18	189	258	362
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)



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37°		1100 lm	1500 lm	2100 lm
1	0.67	2183	2977	4169
2	1.34	545	744	1042
3	2.01	242	330	463
4	2.68	136	186	260
5	3.36	87	119	166
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

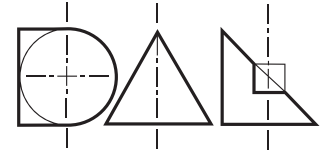


1-220606-T1

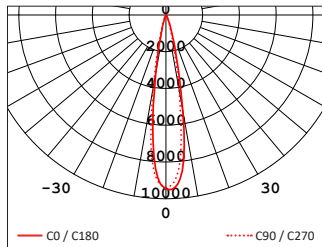
50°		1100 lm	1500 lm	2100 lm
1	0.93	1380	1882	2636
2	1.86	345	470	659
3	2.79	153	209	292
4	3.72	86	117	164
5	4.65	55	75	105
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

Beam diameter to 50% of E-max

# CREE Light Engine - 4000K For 19° / 25° / 37° / 50° Beam

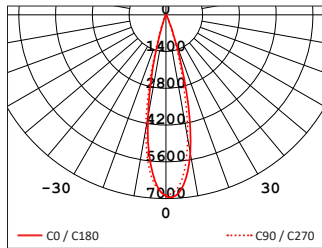


LED 4000K	Beam Angle	Lumen Source	Delivered Lumens	LOR	Luminous Intensity	Current	Forward Voltage	LED W	CRI	UGR	Mac adam
Standard Module	19°	1200 lm	960 lm	80%	7074 cd	250mA	33.4V	8W	90	<16	2 step
		1600 lm	1288 lm		9492 cd	350mA	34.2V	11W			
		2200 lm	1760 lm		12970 cd	500mA	35.3V	17W			
	25°	1200 lm	1008 lm	84%	5177 cd	250mA	33.4V	8W	90	<16	2 step
		1600 lm	1344 lm		6903 cd	350mA	34.2V	11W			
		2200 lm	1848 lm		9492 cd	500mA	35.3V	17W			
	37°	1200 lm	967 lm	82%	2342 cd	250mA	33.4V	8W	90	<16	2 step
		1600 lm	1312 lm		3176 cd	350mA	34.2V	11W			
		2200 lm	1848 lm		4367 cd	500mA	35.3V	17W			
	50°	1200 lm	972 lm	81%	1506 cd	250mA	33.4V	8W	90	<16	2 step
		1600 lm	1296 lm		2008 cd	350mA	34.2V	11W			
		2200 lm	1782 lm		2761 cd	500mA	35.3V	17W			



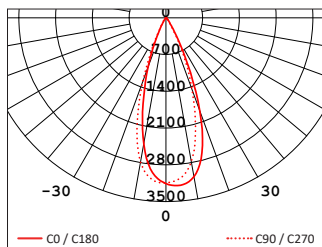
19°		1200 lm	1600 lm	2200 lm
1	0.32	7074	9492	12970
2	0.65	1768	2373	3242
3	0.97	786	1054	1441
4	1.30	442	593	810
5	1.63	282	379	518
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

1-220606-T1



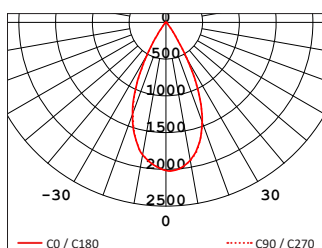
25°		1200 lm	1600 lm	2200 lm
1	0.43	5177	6903	9492
2	0.87	1294	1725	2373
3	1.31	575	767	1054
4	1.75	323	431	593
5	2.18	207	276	379
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

1-220606-T1



37°		1200 lm	1600 lm	2200 lm
1	0.67	2342	3176	4367
2	1.34	585	794	1091
3	2.01	260	352	485
4	2.68	146	198	272
5	3.36	93	127	174
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

1-220606-T1

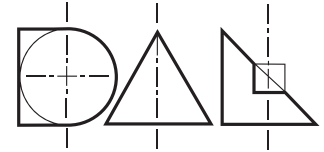


50°		1200 lm	1600 lm	2200 lm
1	0.93	1506	2008	2761
2	1.86	376	502	690
3	2.79	167	223	306
4	3.72	94	125	172
5	4.65	60	80	110
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)

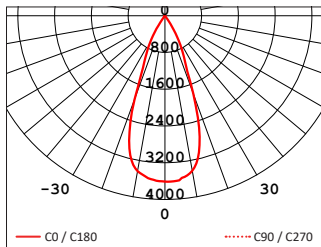
1-220606-T1

Beam diameter to 50% of E-max

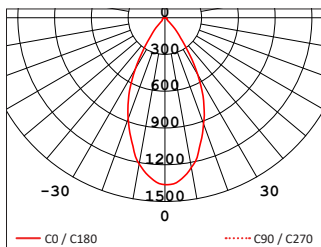
# XICATO Light Engine - For 40° / 52° Beam



LED XICATO	Beam Angle	Lumen Source	Delivered Lumens	LOR	Luminous Intensity	Current	Forward Voltage	LED W	CRI	UGR	Mac adam
XTM Module	40°	965 lm	849 lm	88%	1782 cd	500mA	13.6V	6.6W	80	<16	2 step
		1300 lm	1144 lm		2401 cd	700mA	13.2V	9.5W			
		1490 lm	1311 lm		2452 cd	500mA	21.1V	10.6W			
		2000 lm	1760 lm		3694 cd	700mA	21.7V	15.2W			
	52°	965 lm	772 lm	80%	875 cd	500mA	13.6V	6.6W	80	<21	2 step
		1300 lm	1144 lm		1179 cd	700mA	13.2V	9.5W			
		1490 lm	1311 lm		1351 cd	500mA	21.1V	10.6W			
		2000 lm	1760 lm		1813 cd	700mA	21.7V	15.2W			



40°		965 lm	1300 lm	1490 lm	2000 lm
1	0.73	1782	2401	2452	3694
2	1.46	445	600	688	923
3	2.19	198	306	306	410
4	2.93	111	172	172	230
5	3.66	71	110	110	147
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)	E(lx)



52°		965 lm	1300 lm	1490 lm	2000 lm
1	0.96	875	1179	1351	1813
2	1.93	218	294	337	453
3	2.90	97	131	150	201
4	3.86	54	73	84	113
5	4.83	35	47	54	72
H(m)	Dia (m)	E(lx)	E(lx)	E(lx)	E(lx)

Beam diameter to 50% of E-max