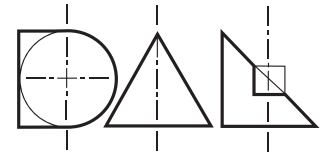


AMBIANCE 100 FIXED

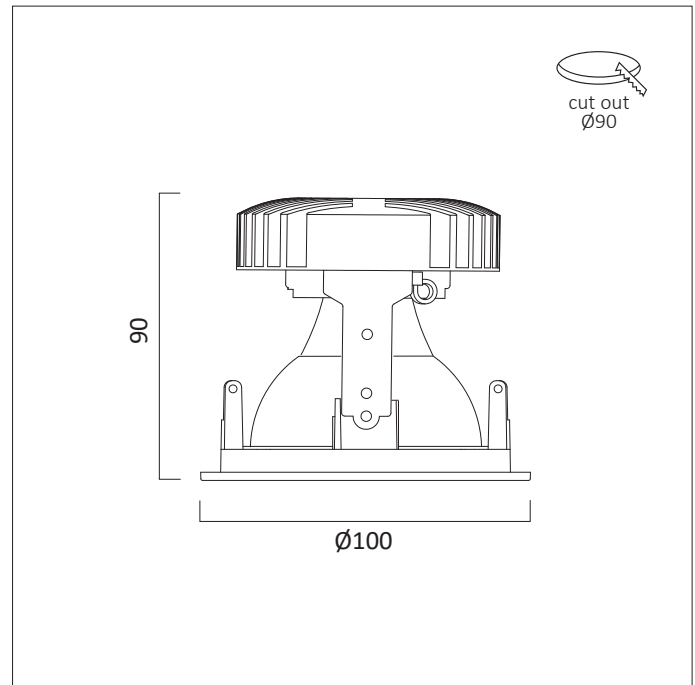
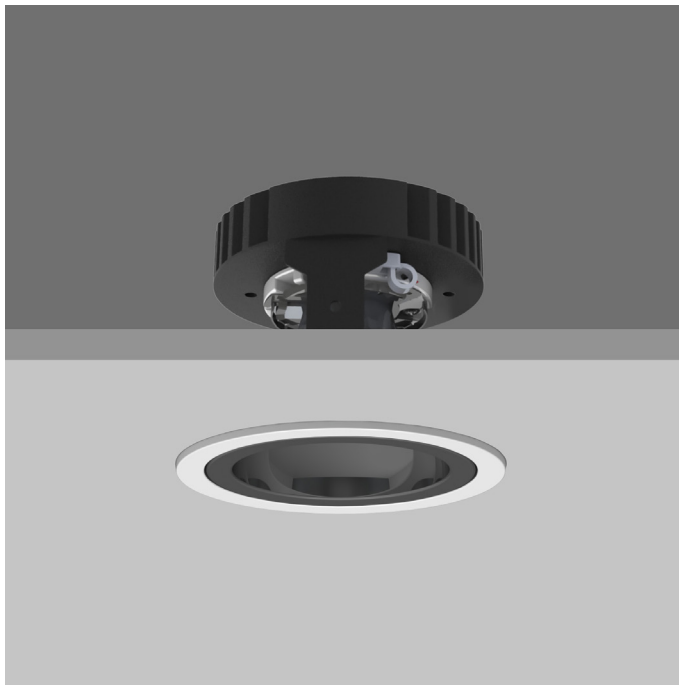


AMBIANCE 100 FIXED Round recessed downlighter with standard white ceiling trim and a choice of deep cone reflector finish and beam distribution. The high-quality precision light controller and deep cone aluminium reflector gives visual comfort. The AMBIANCE 100 is easy to install and incorporates the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

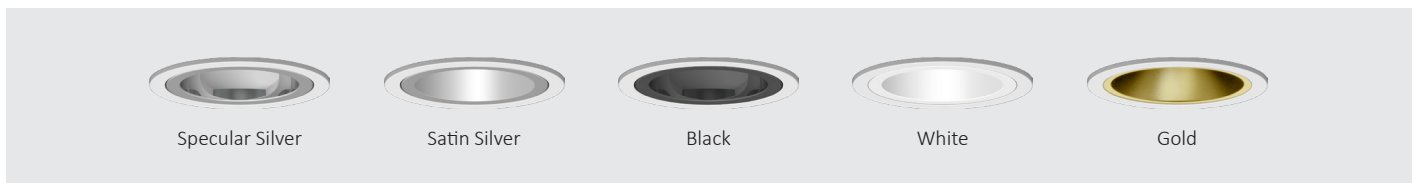
Standard colour temperatures: 2700K, 3000K, 4000K, colour rendering Ra >80 & 90 2 step Macadam are all available. Life 50000 hours.

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.



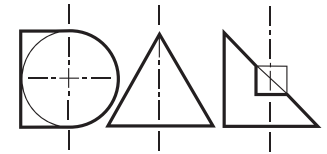
Reflector Finish Variations



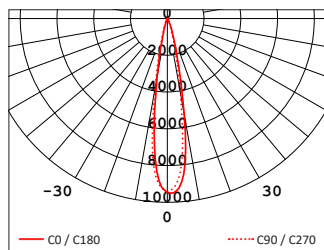
PRODUCT CODING EXAMPLE: C034113H290

| Series | Distribution | Reflector Colour | Initial Lumen | LED | Colour Temp | Driver Protocol | Emergency Protocol |
|----------------------|----------------------------------|---|---|--------------------------------------|-------------------------------|--|---|
| C03 IP20 C04 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 | | | | |
| C03 | 4 | 1 | 13 | J | 2 | 9 | 0 |

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

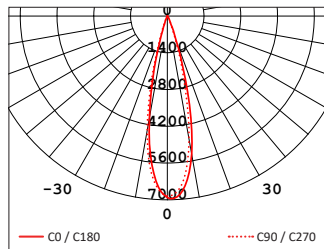


| LED 2700K | Beam Angle | Lumen Source | Delivered Lumens | LOR | Luminous Intensity | Current | Forward Voltage | LED W | CRI | UGR | Mac adam |
|-----------------|------------|-------------------------------|------------------------------|-----|--------------------------------|-------------------------|-------------------------|------------------|-----|------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



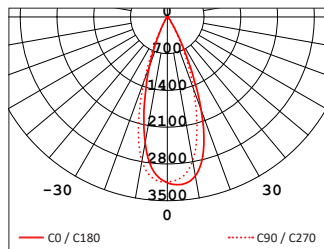
| 19° | 1050 lm | 1450 lm | 2000 lm | |
|------|---------|---------|---------|-------|
| 1 | 0.32 | 6190 | 8548 | 11791 |
| 2 | 0.65 | 1547 | 2137 | 2947 |
| 3 | 0.97 | 687 | 949 | 1310 |
| 4 | 1.30 | 386 | 534 | 736 |
| 5 | 1.63 | 247 | 341 | 471 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

1-220606-T1



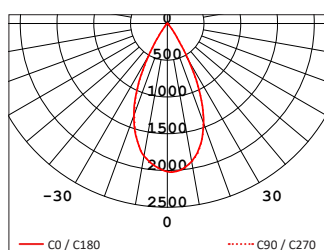
| 25° | 1050 lm | 1450 lm | 2000 lm | |
|------|---------|---------|---------|-------|
| 1 | 0.43 | 4530 | 6256 | 8629 |
| 2 | 0.87 | 1132 | 1564 | 2157 |
| 3 | 1.31 | 503 | 695 | 958 |
| 4 | 1.75 | 283 | 391 | 539 |
| 5 | 2.18 | 181 | 250 | 345 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

1-220606-T1



| 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

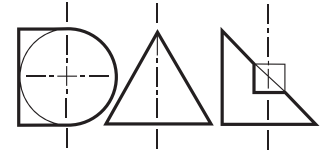


| 50° | 1050 lm | 1450 lm | 2000 lm | |
|------|---------|---------|---------|-------|
| 1 | 0.93 | 1318 | 1820 | 2510 |
| 2 | 1.86 | 329 | 455 | 627 |
| 3 | 2.79 | 146 | 202 | 278 |
| 4 | 3.72 | 82 | 113 | 156 |
| 5 | 4.65 | 52 | 72 | 100 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

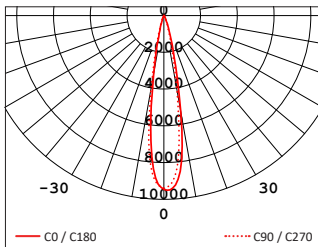
1-220606-T1

Beam diameter to 50% of E-max

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

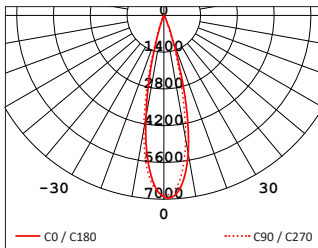


| LED 3000K | Beam Angle | Lumen Source | Delivered Lumens | LOR | Luminous Intensity | Current | Forward Voltage | LED W | CRI | UGR | Mac adam |
|-----------------|------------|--------------|------------------|-----|--------------------|---------|-----------------|-------|-----|-----|----------|
| 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 | | | |



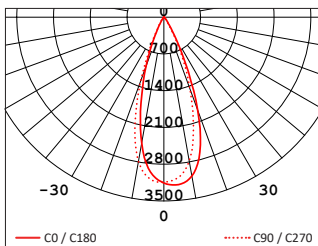
1-220606-T1

| 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) |



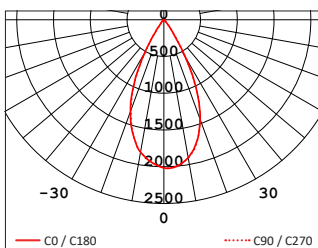
1-220606-T1

| 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) |



1-220606-T1

| 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) |

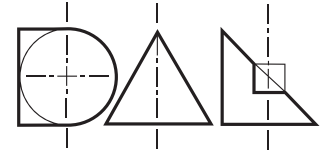


1-220606-T1

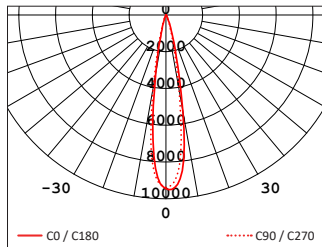
| 50° | | 1100 lm | 1500 lm | 2100 lm |
|------|---------|---------|---------|---------|
| 1 | 0.93 | 1380 | 1882 | 2636 |
| 2 | 1.86 | 345 | 470 | 659 |
| 3 | 2.79 | 153 | 209 | 292 |
| 4 | 3.72 | 86 | 117 | 164 |
| 5 | 4.65 | 55 | 75 | 105 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

Beam diameter to 50% of E-max

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

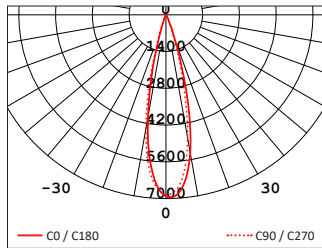


| LED 4000K | Beam Angle | Lumen Source | Delivered Lumens | LOR | Luminous Intensity | Current | Forward Voltage | LED W | CRI | UGR | Mac adam |
|-----------------|------------|--------------|------------------|-----|--------------------|---------|-----------------|-------|-----|-----|----------|
| 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 | | | |



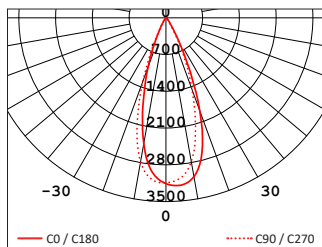
| 19° | | 1200 lm | 1600 lm | 2200 lm |
|------|---------|---------|---------|---------|
| 1 | 0.32 | 7074 | 9492 | 12970 |
| 2 | 0.65 | 1768 | 2373 | 3242 |
| 3 | 0.97 | 786 | 1054 | 1441 |
| 4 | 1.30 | 442 | 593 | 810 |
| 5 | 1.63 | 282 | 379 | 518 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

1-220606-T1



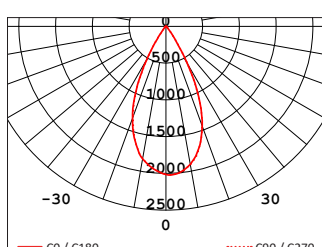
| 25° | | 1200 lm | 1600 lm | 2200 lm |
|------|---------|---------|---------|---------|
| 1 | 0.43 | 5177 | 6903 | 9492 |
| 2 | 0.87 | 1294 | 1725 | 2373 |
| 3 | 1.31 | 575 | 767 | 1054 |
| 4 | 1.75 | 323 | 431 | 593 |
| 5 | 2.18 | 207 | 276 | 379 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

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

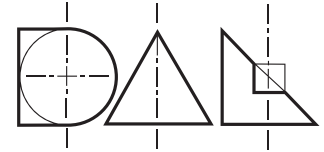


| 50° | | 1200 lm | 1600 lm | 2200 lm |
|------|---------|---------|---------|---------|
| 1 | 0.93 | 1506 | 2008 | 2761 |
| 2 | 1.86 | 376 | 502 | 690 |
| 3 | 2.79 | 167 | 223 | 306 |
| 4 | 3.72 | 94 | 125 | 172 |
| 5 | 4.65 | 60 | 80 | 110 |
| H(m) | Dia (m) | E(lx) | E(lx) | E(lx) |

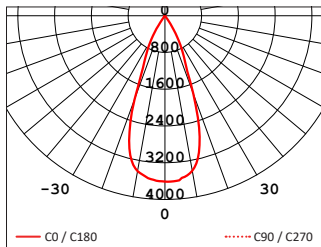
1-220606-T1

Beam diameter to 50% of E-max

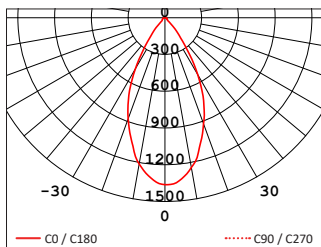
XICATO Light Engine - For 40° / 52° Beam



| 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