

DESCRIPTION

The Corelite Z mini combines the lumen package and convenience of a down-light with the volumetric distribution that characterizes the Class RZ family. The proprietary low-power LED platform developed by Cooper Lighting delivers a soft, diffuse volume of pure white light that carries the general character of a fluorescent source. Simultaneously, the ALM module eliminates unsightly socket shadows and the constant hassle of luminaire maintenance. The Z mini can be installed in a standard grid ceiling or most concealed ceiling applications and is available in both CFL and LED. The Z mini offers countless solutions for the most demanding energy requirements.

SPECIFICATION FEATURES

A ... Construction

Low profile housing constructed of die formed 20 gauge cold rolled steel with integral 20 gauge gear tray.

B ... Reflector

Precision tooled, high reflectance sheet metal which allows for easy access to driver compartment from below ceiling plenum.

C ... Shielding

High light transmission frosted prismatic acrylic lens with UV inhibitors minimizes lamp image and ensures efficient light distribution. Lenses secured to housing via injection molded inserts for easy lamp access.

D ... Electrical

Fixture equipped with proprietary Cooper LED modules available in 3000, 3500 or 4000k with a CRI plus or minus 85. Removable module features aluminum extrusion providing exceptional thermal management. Modules are driven using universal voltage switch mode LED drivers. Fixture and modules certified to UL and CUL standards. A 0 to 10V dimming control is available.

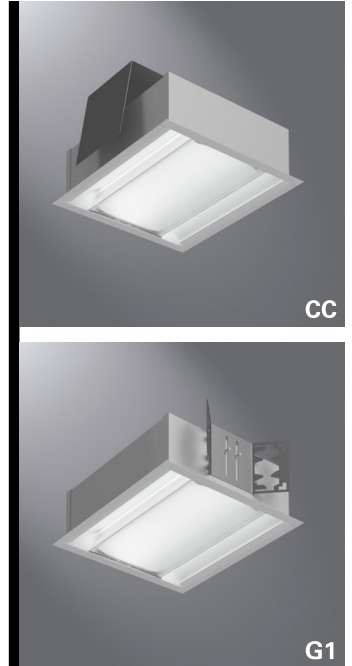
E ... Finish

Fixture housings are high reflectance white using electrostatically applied polyester powder coat paint.

Mounting

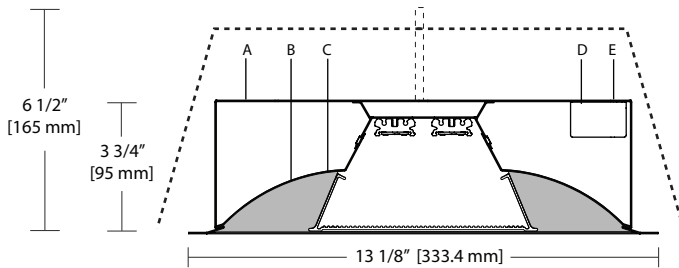
Fixture available in two mounting options. CC allows for fixture to be installed into inaccessible ceilings (sheet rock, wood panel, etc.). Compression bracket provided. G1 allows for fixture to be installed in standard ceiling tile. Butterfly brackets supplied mount to cross-braces (by others).

| | | |
|-------------|--|------|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |



Z MINI
Linear Prismatic Lens

LED
1'x1' Recessed
3-3/4" Depth

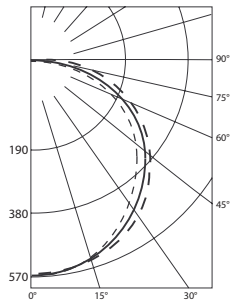


ORDERING INFORMATION

Sample Number: ZM-WL-2L30-1C-UNV-11-G1

| | | | | | | |
|-------------------------------|--|--|--|--|--|---|
| Series ZM: Class ZM | Shielding L: Linear Prismatic Lens | Color Temperature L30: LED 3000K L35: LED 3500K L40: LED 4000K | Wiring ¹ B: Battery Pack C: Standard Circuit D: Dimming E: Emergency T: Nightlight Y: Daylight | Voltage ¹ 120: 120V 277: 277V 347: 347V UNV: Universal (120V-277V) | Ceiling Type CC: Concealed Ceiling G1: Grid Ceiling | Options ¹ CP: Chicago Plenum NY: New York City Construction W6: 6' Whip Flex W12: 12' Whip Flex |
| Reflector W: White | Light Level 2: Light Level 2 | Number of Circuits 1: 1 Circuit | | Size 11: 1' x 1' | | |

Notes: 1 Not all options available. Please consult your Cooper Lighting Representative for availability. Specifications and dimensions subject to change without notice.



ZM-WL-2L35-1x1
1547 Lumens
19.5 Watts
79.3 LPW
LED ALM 2.0

Test Report: #P22409

Coefficients of Utilization

| rc | Effective floor cavity reflectance | | | | | | | | | | | | | | | | | |
|------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80% | | 70% | | 50% | | 30% | | 10% | | 0% | | | | | | | |
| rw | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 85 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 69 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 62 | 56 | 52 | 49 |
| 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 52 | 46 | 57 | 51 | 45 | 55 | 50 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 41 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 35 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 28 | 27 |
| 10 | 53 | 39 | 32 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |

Zonal Lumen Summary

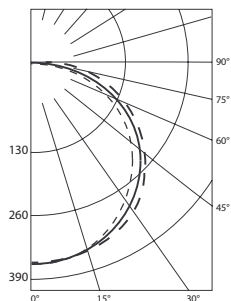
| Zone | Lumens | % Lamp | % Fixture |
|--------|--------|--------|-----------|
| 0-30 | 424 | N.A. | 27.4 |
| 0-40 | 689 | N.A. | 44.5 |
| 0-60 | 1202 | N.A. | 77.7 |
| 0-90 | 1547 | N.A. | 100 |
| 40-90 | 859 | N.A. | 55.5 |
| 60-90 | 346 | N.A. | 22.3 |
| 90-180 | 0 | N.A. | 0 |
| 0-180 | 1547 | N.A. | 100 |

Luminance Data

| Angle in Deg | 0-Deg cd/sm | 45-Deg cd/sm | 90-Deg cd/sm |
|--------------|-------------|--------------|--------------|
| 45 | 5249 | 5829 | 6309 |
| 55 | 4695 | 5573 | 6288 |
| 65 | 4128 | 5347 | 6511 |
| 75 | 3574 | 5112 | 6198 |
| 85 | 3090 | 4702 | 5508 |

Candela

| Angle | 0-Deg | 23-Deg | 45-Deg | 68-Deg | 90-Deg |
|-------|-------|--------|--------|--------|--------|
| 0 | 551 | 551 | 551 | 551 | 551 |
| 5 | 550 | 550 | 548 | 548 | 548 |
| 10 | 541 | 541 | 540 | 540 | 541 |
| 15 | 525 | 527 | 528 | 531 | 532 |
| 20 | 502 | 504 | 509 | 515 | 517 |
| 25 | 471 | 476 | 484 | 493 | 496 |
| 30 | 438 | 443 | 456 | 467 | 472 |
| 35 | 399 | 407 | 424 | 438 | 444 |
| 40 | 359 | 368 | 389 | 407 | 414 |
| 45 | 317 | 328 | 352 | 373 | 381 |
| 50 | 273 | 286 | 313 | 337 | 346 |
| 55 | 230 | 243 | 273 | 299 | 308 |
| 60 | 188 | 202 | 233 | 261 | 272 |
| 65 | 149 | 163 | 193 | 225 | 235 |
| 70 | 113 | 126 | 154 | 180 | 187 |
| 75 | 79 | 90 | 113 | 132 | 137 |
| 80 | 49 | 57 | 73 | 86 | 89 |
| 85 | 23 | 26 | 35 | 40 | 41 |
| 90 | 0 | 0 | 0 | 0 | 0 |



ZM-WL-1L35-1x1
1014 Lumens
12.5 Watts
83.1 LPW
LED ALM 2.0

Test Report: #P22412

Coefficients of Utilization

| rc | Effective floor cavity reflectance | | | | | | | | | | | | | | | | | |
|------------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 80% | | 70% | | 50% | | 30% | | 10% | | 0% | | | | | | | |
| rw | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 108 | 103 | 99 | 95 | 106 | 101 | 97 | 94 | 97 | 94 | 91 | 93 | 90 | 88 | 89 | 87 | 85 | 83 |
| 2 | 98 | 90 | 83 | 77 | 96 | 88 | 82 | 76 | 84 | 79 | 74 | 81 | 77 | 73 | 78 | 74 | 71 | 69 |
| 3 | 90 | 79 | 71 | 64 | 87 | 77 | 70 | 63 | 74 | 68 | 62 | 72 | 66 | 61 | 69 | 64 | 60 | 58 |
| 4 | 82 | 70 | 61 | 54 | 80 | 69 | 60 | 54 | 66 | 59 | 53 | 64 | 57 | 52 | 61 | 56 | 52 | 49 |
| 5 | 75 | 62 | 53 | 47 | 73 | 61 | 53 | 46 | 59 | 52 | 46 | 57 | 51 | 45 | 55 | 50 | 45 | 43 |
| 6 | 70 | 56 | 47 | 41 | 68 | 55 | 47 | 41 | 53 | 46 | 40 | 52 | 45 | 40 | 50 | 44 | 39 | 37 |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 33 |
| 8 | 60 | 47 | 38 | 32 | 59 | 46 | 38 | 32 | 45 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 31 | 29 |
| 9 | 56 | 43 | 34 | 29 | 55 | 42 | 34 | 29 | 41 | 34 | 29 | 40 | 33 | 29 | 39 | 33 | 28 | 27 |
| 10 | 53 | 39 | 32 | 26 | 51 | 39 | 31 | 26 | 38 | 31 | 26 | 37 | 31 | 26 | 36 | 30 | 26 | 24 |

Zonal Lumen Summary

| Zone | Lumens | % Lamp | % Fixture |
|--------|--------|--------|-----------|
| 0-30 | 278 | N.A. | 27.4 |
| 0-40 | 451 | N.A. | 44.5 |
| 0-60 | 787 | N.A. | 77.7 |
| 0-90 | 1014 | N.A. | 100 |
| 40-90 | 562.3 | N.A. | 55.5 |
| 60-90 | 226 | N.A. | 22.3 |
| 90-180 | 0 | N.A. | 0 |
| 0-180 | 1014 | N.A. | 100 |

Luminance Data

| Angle in Deg | 0-Deg cd/sm | 45-Deg cd/sm | 90-Deg cd/sm |
|--------------|-------------|--------------|--------------|
| 45 | 3428 | 3809 | 4140 |
| 55 | 3083 | 3654 | 4124 |
| 65 | 2715 | 3519 | 4239 |
| 75 | 2353 | 3348 | 4072 |
| 85 | 2015 | 2956 | 3627 |

Candela

| Angle | 0-Deg | 23-Deg | 45-Deg | 68-Deg | 90-Deg |
|-------|-------|--------|--------|--------|--------|
| 0 | 361 | 361 | 361 | 361 | 361 |
| 5 | 360 | 360 | 359 | 359 | 359 |
| 10 | 354 | 354 | 354 | 354 | 354 |
| 15 | 344 | 345 | 346 | 348 | 349 |
| 20 | 329 | 331 | 334 | 338 | 339 |
| 25 | 309 | 311 | 317 | 323 | 325 |
| 30 | 286 | 290 | 299 | 306 | 309 |
| 35 | 262 | 266 | 278 | 288 | 291 |
| 40 | 235 | 241 | 255 | 266 | 271 |
| 45 | 207 | 214 | 230 | 244 | 250 |
| 50 | 179 | 187 | 205 | 221 | 227 |
| 55 | 151 | 159 | 179 | 196 | 202 |
| 60 | 124 | 133 | 152 | 171 | 178 |
| 65 | 98 | 107 | 127 | 147 | 153 |
| 70 | 74 | 83 | 102 | 117 | 122 |
| 75 | 52 | 59 | 74 | 86 | 90 |
| 80 | 32 | 37 | 47 | 57 | 59 |
| 85 | 15 | 17 | 22 | 26 | 27 |
| 90 | 0 | 0 | 0 | 0 | 0 |