



Soft is a high-performance LED downlight with high color rendering CRI90 and low glare UGR <19. Soft is equipped with a deeper mounted LED source with a milky diffuser and an external matte aluminum reflector. Soft is equipped with a Citizen COB LED chip with high efficiency and high color rendering CRI90. The solid aluminum housing has sturdy clamp hinges. Supplied with universally dimmable Unidriver suitable for TRIAC, 1-10V and DALI2 dimming. Unidriver has an inrush current of only 2A and does not use a PWM output signal during dimming, but amplitude dimming = no flicker or stroboscopic effect!

| | | | | | | | | | | | | | | |
|------|------|----|---------|-----------|------|---------------|-----|----|------|------------|-----|----|----|-----|
| | | | | | | | | | | | | | | |
| IP20 | IK04 | 55 | 5 YEARS | up to 100 | 0,95 | 50.000 L80B20 | YES | 90 | 4000 | 1-10V/DALI | COB | 16 | NO | YES |

Technical specifications

| | |
|------------|---------------|
| Referentie | SOFT124DIM |
| EAN code | 5420076267698 |
| ETIM code | EC001744 |

Electrical specifications

| | |
|------------------------|-----------------------|
| System power (W) | 12,8 |
| LED power (W) | 12 |
| Input voltage (Vac) | 220-240Vac |
| Frequency (Hz) | 50/60 |
| Driver included | yes |
| Driver intern/extern | extern |
| Driver brand | Integratech |
| Driver reference | Unidriver15 |
| Dimmable | TRIAC/1-10V/DALI/push |
| Flicker free | yes |
| Power factor | 0,95 |
| Connection cable | 0,2m |
| Driver output (V) | 40V |
| Driver output (mA) | 300mA |
| Isolation class | I |
| Energy class | A+ |
| N° circ. breaker 16A C | 85 |
| N° circ. breaker 16A D | |
| Inrush current | 2A |

Warranty and certification

| | |
|------------------|-------------------------|
| Lifetime (h) | 50.000 L80B20 |
| Warranty (years) | 5 (excluding batteries) |
| ENEC | no |

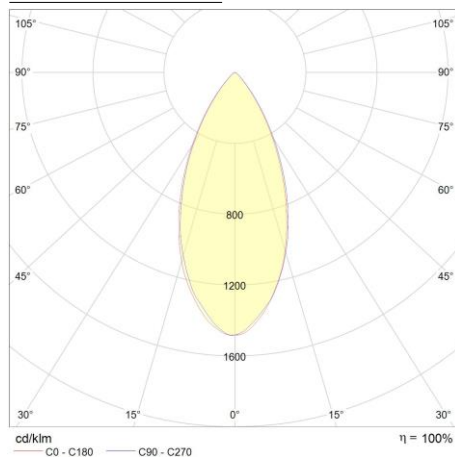
Photometric specifications

| | |
|-----------------------|-------------------|
| Light angle (°) | 55 |
| Color temperature (K) | 4000 |
| CRI | 90 |
| UGR | 16 |
| SDCM | 3 |
| Lumen output (Lm) | 1174 |
| Lm/W | 100 |
| Flux code | 93 99 100 100 100 |
| Ledchip | COB |
| Led manufacturer | Citizen |
| N° of LEDs | 1 |
| Photobiological class | RG0 |

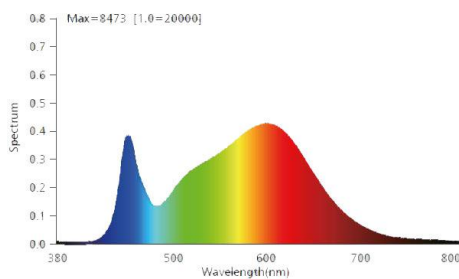
Dimensions and material properties

| | |
|--------------------|--------------|
| Dimensions (LxBxH) | 101x101x60mm |
| Weight (kg) | 0,28 |
| Color | white |
| Working temp. (°C) | -20~+45 |
| IP value | IP20 |
| IK value | IK04 |
| UV resistant | yes |
| Seawater resistant | no |
| UL94 | |
| N° in masterbox | 24 |
| N° on pallet | |
| MOQ | 1 |
| Stock item | yes |

Lumen distribution

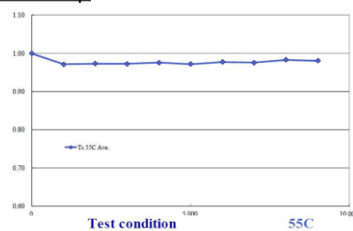


Spectrum distribution



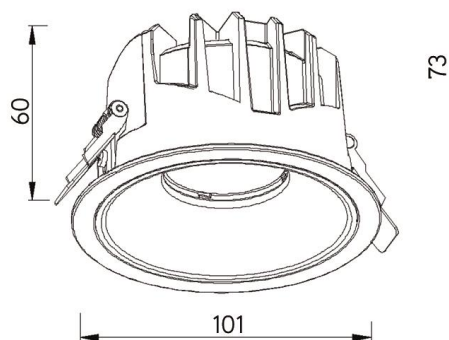
Distance curve:

Lumendrop



| Test condition | | 55C |
|------------------------------------|--|-----------------|
| Sample size | | 11pcs |
| Number of failures | | 0pcs |
| DUT drive current used in the test | | 4140mA |
| Test duration | | 9,000H |
| Test duration used for projection | | 4,000H - 9,000H |
| Tested case temperature Tc | | 55C |
| a | | -1.61953E-06 |
| B | | 0.967 |
| Reported L70 (9%) (hour) | | >50000 |
| Reported L80 (9%) (hour) | | >50000 |
| Reported L90 (9%) (hour) | | >50000 |

Dimensions



Cut-out 85mm

12W

Connection diagram

