



## Uplights | 1 x powerLED 4 W DC 350 mA | CRI 80 81199M60

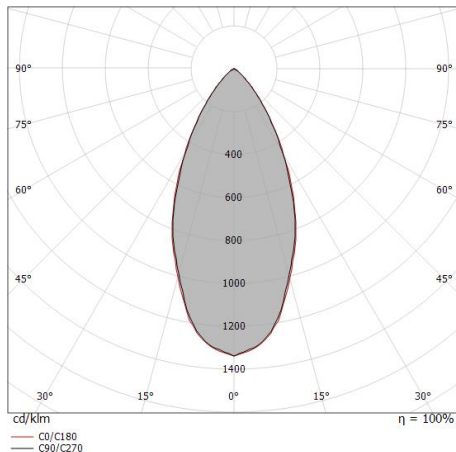
Single emission uplights for outdoor application. The super warm white LED light source is composed of 1 powerLEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 490 lm, with a 122.5 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a black finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered. The ingress protection degree is IP68; the total weight is of 0.2 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 4 W. The power supply cable is included and features a 1 m length.

The device features protection class III and can be floor-mounted with an outer casing, code 99650(for concrete or masonry).

Compliant with the EN 60598-1 standard and its specific provisions.



Distance [m]	Cone diameter [m]	E(0°)	E(C90)	E(C0)
0.5	0.45 0.46	1599	608	602
1.0	0.90 0.92	400	152	150
1.5	1.35 1.37	178	68	67
2.0	1.80 1.83	100	38	38
2.5	2.25 2.29	64	24	24
3.0	2.70 2.75	44	17	17

— C0/C180 (Half-peak divergence: 49.2°)  
— C90/C270 (Half-peak divergence: 48.4°)

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	61 %
Lichtstrom (Lichtquelle)	490 lm
Leuchten Lichtstrom	299 lm
Consumption	4 W
Leuchten Lichtausbeute	74 lm/W
Farbtemperatur	2700 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	80 Ra
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

### LED Life / Failure Ratio

L70 B10 C0 247450h (at Tj 60 Ta 25 )

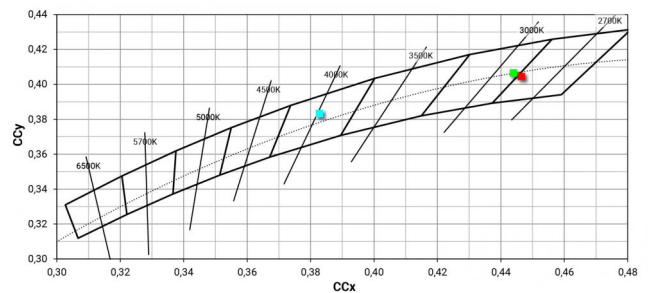
### UGR

UGR axial	19.7
UGR transversal	19.7
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Optik C0/C180	48°
Light distribution simmetry	Symmetrical

### COLOR VECTOR GRAPHIC





Orma\_IJ | Uplights | Accessories  
**81199M60**



## Einbaugehäuse

installationsposition: boden; typ installation: mauerwerk L=97mm, H=76mm, D=97mm.

Material:Kunststoff ABS, farbe:Schwarz.

**Code**

99650