



Uplights | 1 x powerLED 4 W DC 350 mA | CRI 80  
**82657N60**

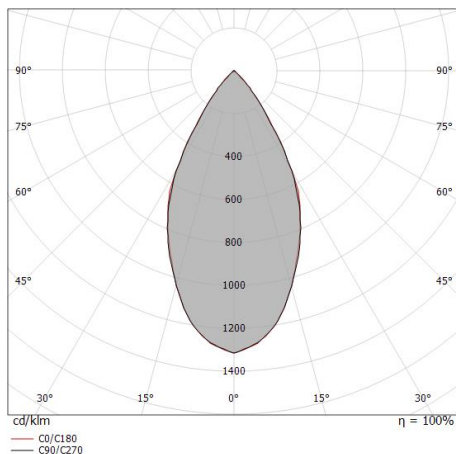
Single emission uplights for outdoor application. The natural white LED light source with a wide flood light distribution is composed of 1 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 529 lm, with a 132.3 lm/W nominal luminous efficacy.

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 with a silk-screening treatment. 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 83038(for concrete or masonry).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.51 0.52	E(0°) 1604 E(C90) 26.9° 571 E(C0) 27.5° 562
1.0	1.01 1.04	E(0°) 401 E(C90) 26.9° 143 E(C0) 27.5° 140
1.5	1.52 1.56	E(0°) 178 E(C90) 26.9° 63 E(C0) 27.5° 62
2.0	2.03 2.08	E(0°) 100 E(C90) 26.9° 36 E(C0) 27.5° 35
2.5	2.54 2.60	E(0°) 64 E(C90) 26.9° 23 E(C0) 27.5° 22
3.0	3.04 3.12	E(0°) 45 E(C90) 26.9° 16 E(C0) 27.5° 16

— C0/C180 (Half-peak divergence: 55.0°)  
 — C90/C270 (Half-peak divergence: 53.8°)

### Energieeffizienzklasse

ieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

### Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	57 %
Lichtstrom (Lichtquelle)	529 lm
Leuchten Lichtstrom	305 lm
Consumption	4 W
Leuchten Lichtausbeute	76 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	80 Ra

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	16.6
UGR transversal	16.6
X=4H   Y=8H	S=0.25H
Reflection factor	70/50/20

### OPTICAL

Optik C0/C180	54°
Light distribution simmetry	Symmetrical



Orma\_F | Uplights | Accessories  
**82657N60**



Einbaugehäuse

installationsposition: boden; typ installation: mauerwerk L=56mm, H=88mm, D=56mm.  
Material:Kunststoff ABS, farbe:Schwarz.

**Code**

99922



Einbaugehäuse

installationsposition: boden; typ installation: mauerwerk L=97mm, H=88mm, D=97mm.  
Material:Kunststoff ABS, farbe:Schwarz.

**Code**

83038