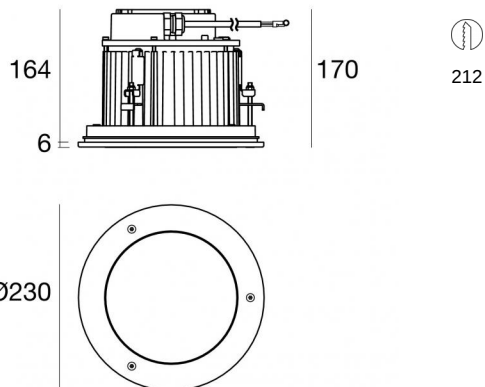
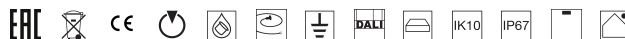


Downlights | 198-264 V
1 arrayLED 30 W DC - 33.6 W AC | CRI 80
81933M60



Technische Daten	
Installationsposition	Decke
Installationsumgebung	Outdoor
Lichtquelle	LED
Circuit structure	arrayLED
Optik	Wide Flood
Light emission direction	downward
Lampe Nennleistung	30 W DC
Gesamtleistung	33.6 W
Lichtstrom (Lichtquelle)	4088 lm
Nominale Eingangsspannung	220 - 240 V AC
Eingangsspannungsbereich	198 - 264 V AC
Frequency	50 - 60 Hz
Ähnlichste Farbtemperatur / Tone	2700 K
Farbwiedergabeindex	80 Ra
Gleichstrom/Gleichspannung	AC
Isolierklasse	1
IP	IP67
IK	IK10
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Driver
Leuchte dimmbar	DALI - PUSH DIM
Schwenkbarkeit	Nein
Drehbarkeit	Nein
Begehrbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	1 m
Harzbeschichtung	Ja
Einbautiefe	164 mm
Typ Lichtabstrahlung	Einflammig
Nettogewicht	3,5 Kg
Schutz vor elektrostatischen Entladungen	4 KV
Schutz vor Stoßspannungen	1 KV
Technische Merkmale des Produkts	Acquastop - TVS

Oberfläche Oberfläche Gehäuse

Material	Stranggepresstes Aluminium EN AB - 46100
Farbe	Matt black (R9005)
Bearbeitungstyp	Offenporige Anodisierung + Pulverlackierung

Oberfläche Oberfläche diffusor

Material	Extra-helles Glas - Gehärtet
Farbe	Transparent

Oberfläche Oberfläche flansch

Material	Aluminiumlegierung 6026
Farbe	Text black RAL9005
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Cables Electrification

Cable connector	No
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Downlights | 198-264 V | 1 arrayLED 30 W DC - 33.6 W AC | CRI 80
81933M60

Single emission recessed downlights for outdoor application. The super warm white LED light source with a wide flood light distribution is composed of 1 arrayLEDs with CCT of 2700 K and a CRI 80; the source luminous flux is 4088 lm, with a 136.3 lm/W nominal luminous efficacy.

The device body is made of die-cast aluminium en ab - 46100 and features a matt black (r9005) finish, processed by means of open pore anodizing + powder coating; the diffuser is made of extra clear glass - tempered. Surface treatment of the product body through aluminum chemical conversion, followed by polyester powder coating, using exclusively coatings compliant with the Qualicoat standard.

The ingress protection degree is IP67;

The total absorbed power is 33.6 W The power supply cable is included and features a 1 m length.

The device features protection class I and can be ceiling-mounted, with a 212 mm diameter hole (in plasterboard) with an outer casing, code 99675(for concrete or masonry).

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

Energieeffizienzklasse

Dieses Produkt enthält eine Lichtquelle der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	66 %
Lichtstrom (Lichtquelle)	4088 lm
Leuchten Lichtstrom	2726 lm
Consumption	33.6 W
Leuchten Lichtausbeute	81 lm/W
Farbtemperatur	2700 K
Standard Deviation of Colour Matching	2 Step MacAdam
Farbwiedergabeindex	80 Ra
Black Body Locus	On
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

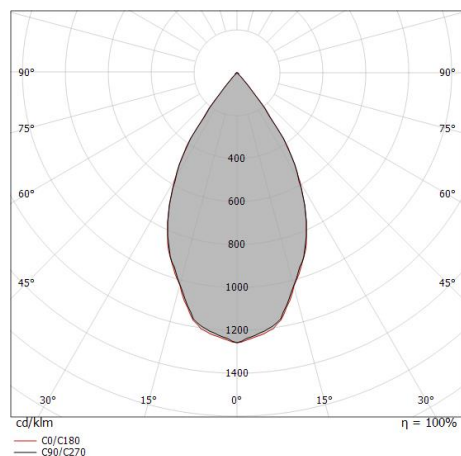
L70 B10 C0 252000h (at Tj 65 Ta 25)

UGR

UGR axial	16.6
UGR transversal	16.7
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

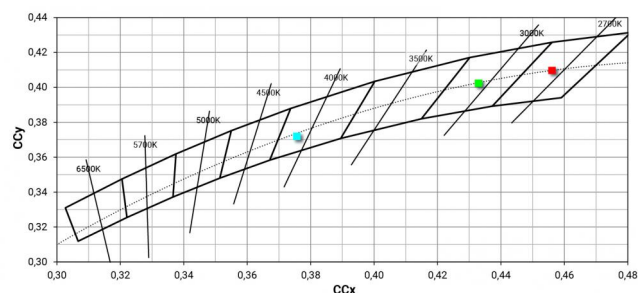
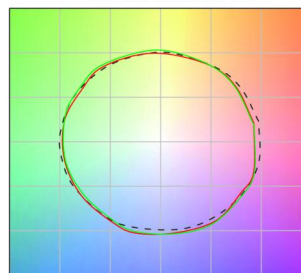
OPTICAL

Optik C0/C180	57°
Light distribution simmetry	Symmetrical

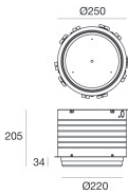


0.5	0.55 0.55	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	13730 4663 4652
	1.09 1.09	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	3433 1166 1163
1.0	1.64 1.64	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	1526 518 517
	2.18 2.19	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	858 291 291
2.0	2.73 2.74	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	549 187 186
	3.27 3.28	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	381 130 129
2.5	3.27 3.28	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	381 130 129
	3.27 3.28	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	381 130 129
3.0	3.27 3.28	E(0°) E(C90) E(C0)	28.6° 28.6° 28.7°	381 130 129
Distance [m]		Illuminance [lx]		
Cone diameter [m]				
— C0/C180 (Half-peak divergence: 57.4°) — C90/C270 (Half-peak divergence: 57.2°)				

COLOR VECTOR GRAPHIC



Guardian | Downlights | Accessories
81933M60



Einbaugehäuse
installationsposition: decke.
Material:Grau.

Code
99675