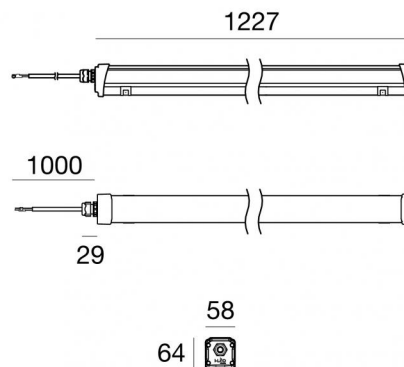


Deckenleuchten - Industriebeleuchtung | 198-264 V
96 topLED 49 W DC - 54 W AC | CRI 80
84431N12



Technische Daten	
Typ	Oberfläche - Industriebeleuchtung
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	topLED
Optik	Extra Wide Flood
Light emission direction	downward
Lampe Nennleistung	49 W DC
Gesamtleistung	54 W
Lichtstrom (Lichtquelle)	8057 lm
Nominale Eingangsspannung	220 - 240 V AC
Eingangsspannungsbereich	198 - 264 V AC
Frequency	50 - 60 Hz
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	80 Ra
Gleichstrom/Gleichspannung	AC
Isolierklasse	1
IP	IP65
IK	IK10
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Driver
Leuchte dimmbar	Nein
Notbeleuchtung	Ja
Emergency mode time	1 ore
Percentage of brightness	10 %
UPS	Nein
Schwenkbarkeit	Nein
Drehbarkeit	Nein
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Ja
Kabellänge	1 m
Harzbeschichtung	Nein
Typ Lichtabstrahlung	Einflammig
Nettogewicht	3 Kg
Schutz vor elektrostatischen Entladungen	Ja
Schutz vor Stoßspannungen	Ja

Oberfläche Oberfläche Gehäuse

Material	Aluminiumlegierung 6060
Farbe	Anodised aluminium
Bearbeitungstyp	Anodisierung 20 µm

Oberfläche Oberfläche diffusor

Material	UV beständiges Polycarbonat
Farbe	Transparent

Cables Electrification

Cable connector	No
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Deckenleuchten - Industriebeleuchtung | 198-264 V | 96 topLED 49 W DC - 54 W AC | CRI 80
84431N12

Single emission ceiling downlights for indoor application. The natural white LED light source with a extra wide flood light distribution is composed of 96 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 8057 lm, with a 164.4 lm/W nominal luminous efficacy.

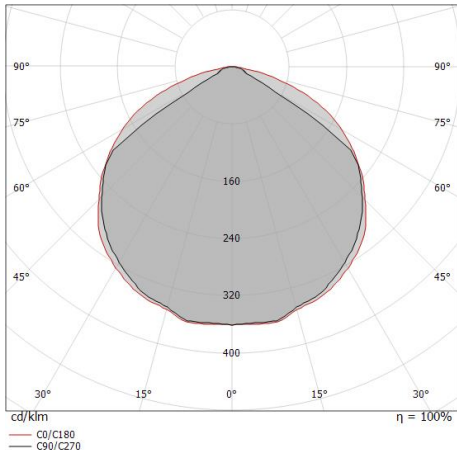
The device body is made of aluminium alloy 6060 and features a anodised aluminium finish, processed by means of 20 µm anodizing; the diffuser is made of uv resistant polycarbonate. Surface treatment of the product body with chemical conversion of aluminum, designed to ensure maximum long?term resistance.

The ingress protection degree is IP65; the total weight is of 3 kg.

The total absorbed power is 54 W The power supply cable is included and features a 1 m length.

The device features protection class I and can be ceiling-mounted.

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



Distance [m]	Cone diameter [m]	Illuminance [lx]
0.5	1.47 1.70	E(0°) 830 E(C90) 74 E(C0) 54
1.0	2.94 3.41	E(0°) 208 E(C90) 19 E(C0) 14
1.5	4.41 5.11	E(0°) 92 E(C90) 8 E(C0) 6
2.0	5.89 6.82	E(0°) 52 E(C90) 5 E(C0) 3
2.5	7.36 8.52	E(0°) 33 E(C90) 3 E(C0) 2
3.0	8.83 10.23	E(0°) 23 E(C90) 2 E(C0) 2

— C0/C180 (Half-peak divergence: 119.2°)
— C90/C270 (Half-peak divergence: 111.6°)

Energieeffizienzklasse

Dieses Produkt enthält 4 Lichtquellen der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	7 %
Lichtstrom (Lichtquelle)	8057 lm
Leuchten Lichtstrom	576 lm
Consumption	5 W
Leuchten Lichtausbeute	115 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	80 Ra
Standardumgebungstemperatur	-25 / +45°C

LED Life / Failure Ratio

L70 B10 C0 366369h

L80 B10 C0 230187h

L90 B10 C0 110067h

UGR

UGR axial	16.7
UGR transversal	20.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	112°
Optik C0/C180	119°
Light distribution simmetry	Symmetrical 2 assis

Deckenleuchten - Industriebeleuchtung | 198-264 V | 96 topLED 49 W DC - 54 W AC | CRI

80

84431N12

Single emission ceiling downlights for indoor application. The natural white LED light source with a extra wide flood light distribution is composed of 96 powered LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 8057 lm, with a 164.4 lm/W nominal luminous efficacy.

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The ingress protection degree is IP65; the total weight is of 3 kg.

The total absorbed power is 54 W The power supply cable is included and features a 1 m length.

The device features protection class I and can be ceiling-mounted.

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

Energieeffizienzklasse

Dieses Produkt enthält 4 Lichtquellen der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	71 %
Lichtstrom (Lichtquelle)	8057 lm
Leuchten Lichtstrom	5755 lm
Consumption	54 W
Leuchten Lichtausbeute	106 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	80 Ra
Standardumgebungstemperatur	-25 / +45°C

LED Life / Failure Ratio

L70 B10 C0 366369h

L80 B10 C0 230187h

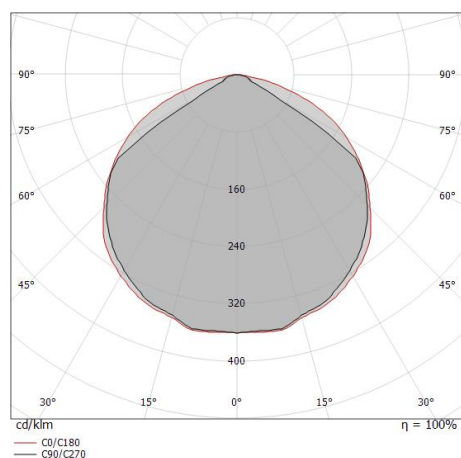
L90 B10 C0 110067h

UGR

UGR axial	24.7
UGR transversal	28.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	112°
Optik C0/C180	119°
Light distribution simmetry	Symmetrical 2 assis



Distance [m]	Cone diameter [m]	Illuminance [lx]	E(0°) E(C90) E(C0)	55.8° 59.6°	8301 744 541
0.5	1.47 1.70				
1.0	2.94 3.41				
1.5	4.41 5.11				
2.0	5.89 6.82				
2.5	7.36 8.52				
3.0	8.83 10.23				

Distance [m] Cone diameter [m] Illuminance [lx]

— C0/C180 (Half-peak divergence: 119.2°)
— C90/C270 (Half-peak divergence: 111.6°)

Alux EM | Industrial Lighting | Accessories
84431N12



Stecker
Typ Kabel power cable; ; isolierung einzeln; querschnitt 1 mm²; kabelklemme: ja; farben: blau - braun - gelb-grün.

Code
99737



Kabel
Typ Kabel power cable; Länge 1000 mm; isolierung einzeln; querschnitt 1 mm²; kabelklemme: pg7; farben: blau - braun - gelb-grün.

Code
84863