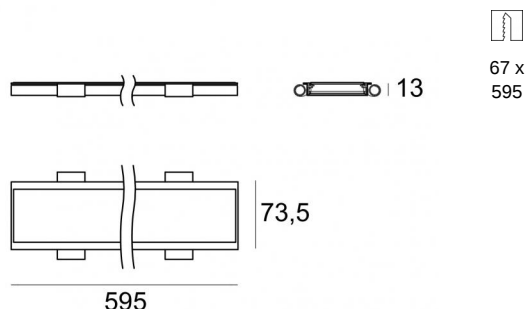


Systeme - Lineare Elemente
156 topLED 12 W DC 24 V | Modular | CRI 90
65438W



Technische Daten	
Typ	Systeme - Lineare Elemente - Frame
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	topLED
Light emission direction	downward
Lampe Nennleistung	12 W DC
Lichtstrom (Lichtquelle)	1470 lm
Ähnlichste Farbtemperatur / Tone	3000 K
Farbwiedergabeindex	90 Ra
Gleichstrom/Gleichspannung	CV
Isolierklasse	3
IP	IP40
IP optisches System	IP54
Glühdrahtprüfung	850°
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Nein
Leuchte dimmbar	DALI - 1-10V
Schwenkbarkeit	Nein
Drehbarkeit	Nein
Begehbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Nein
Harzbeschichtung	Nein
Einbautiefe	13 mm
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.43 Kg
Modularity	Modular
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein
Optiktechnologie	Dot free

Oberfläche Oberfläche Gehäuse

Material	Aluminiumlegierung 6060
Farbe	Text white RAL9003
Bearbeitungstyp	Pulverbeschichtung mit duroplastischen Pulvern

Elektronik

	99331 On/Off Driver 198~264V AC / 176~275V DC 150 W (1 - 12 art.)
	99332 1-10V Controller (1 - 12 art.)
	99374 On/Off Driver 198~264V AC / 176~275V DC 75 W (1 - 6 art.)
	83333 Push and Simply Dim - DALI-2 Controller (1 - 12 art.)
	C-E400002 Push and Simply Dim - DALI-2 Controller (1 - 20 art.)

Systeme - Lineare Elemente | 156 topLED 12 W DC 24 V | Modular | CRI 90 | + 62461
65438W

Single emission systems, lines or lines for indoor application. The warm white LED light source is composed of 156 topled LEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1470 lm, with a 122.5 lm/W nominal luminous efficacy.

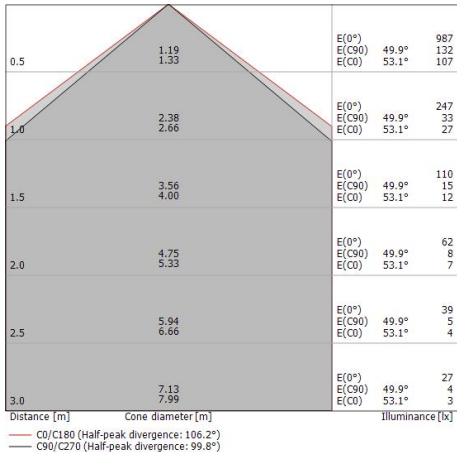
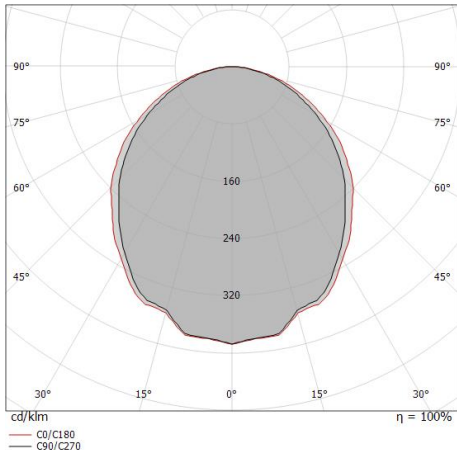
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP40; the total weight is of 0.43 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12 W

The device features protection class III and can be ceiling-mounted, with a 67 x 595 mm hole (in plasterboard).

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



Energieeffizienzklasse

Dieses Produkt enthält 2.4 Lichtquellen der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	43 %
Lichtstrom (Lichtquelle)	1470 lm
Leuchten Lichtstrom	636 lm
Consumption	12 W
Leuchten Lichtausbeute	53 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

L70 B10 C0 494435h (at Tj 65 Ta 25)

L80 B10 C0 310287h (at Tj 65 Ta 25)

L90 B10 C0 147586h (at Tj 65 Ta 25)

UGR

UGR axial	22
UGR transversal	22.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	100°
Optik C0/C180	106°
Light distribution simmetry	Symmetrical 2 assis

Systeme - Lineare Elemente | 156 topLED 12 W DC 24 V | Modular | CRI 90 | + 62464
65438W

Single emission systems, lines or lines for indoor application. The warm white LED light source is composed of 156 topLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1470 lm, with a 122.5 lm/W nominal luminous efficacy.

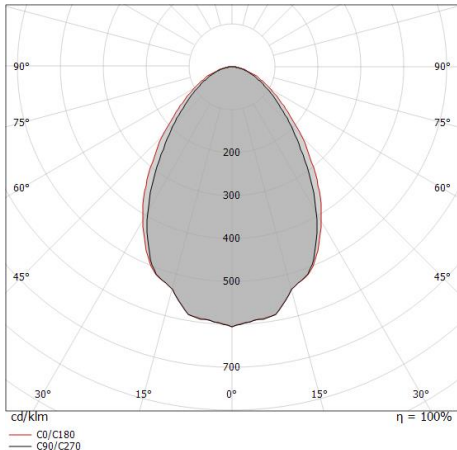
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP40; the total weight is of 0.43 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12 W

The device features protection class III and can be ceiling-mounted, with a 67 x 595 mm hole (in plasterboard).

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



0.5	0.73 0.81	E(0°) E(C90) E(C0)	36.1° 38.9°	1257 332 297
1.0	1.46 1.61	E(0°) E(C90) E(C0)	36.1° 38.9°	314 83 74
1.5	2.19 2.42	E(0°) E(C90) E(C0)	36.1° 38.9°	140 37 33
2.0	2.92 3.23	E(0°) E(C90) E(C0)	36.1° 38.9°	79 21 19
2.5	3.65 4.03	E(0°) E(C90) E(C0)	36.1° 38.9°	50 13 12
3.0	4.38 4.84	E(0°) E(C90) E(C0)	36.1° 38.9°	35 9 8

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

— C0/C180 (Half-peak divergence: 77.8°)
— C90/C270 (Half-peak divergence: 72.2°)

Energieeffizienzklasse

Dieses Produkt enthält 2.4 Lichtquellen der Energieeffizienzklasse E.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	35 %
Lichtstrom (Lichtquelle)	1470 lm
Leuchten Lichtstrom	520 lm
Consumption	12 W
Leuchten Lichtausbeute	43 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio

L70 B10 C0 494435h (at Tj 65 Ta 25)

L80 B10 C0 310287h (at Tj 65 Ta 25)

L90 B10 C0 147586h (at Tj 65 Ta 25)

UGR

UGR axial	17.4
UGR transversal	18.3
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	72°
Optik C0/C180	78°
Light distribution simmetry	Symmetrical 2 assis

Systeme - Lineare Elemente | 156 topLED 12 W DC 24 V | Modular | CRI 90 | + 83356
65438W

Single emission systems, lines or lines for indoor application. The warm white LED light source is composed of 156 topLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1470 lm, with a 122.5 lm/W nominal luminous efficacy.

The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP40; the total weight is of 0.43 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12 W

The device features protection class III and can be ceiling-mounted, with a 67 x 595 mm hole (in plasterboard).

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

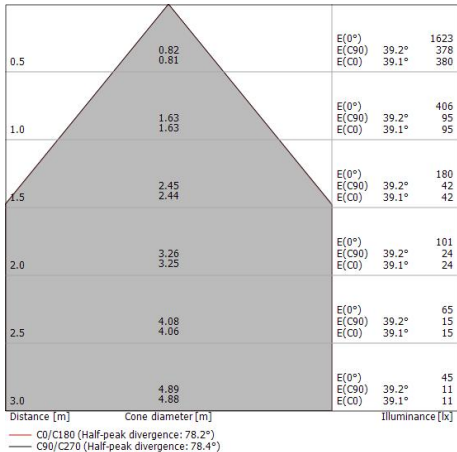
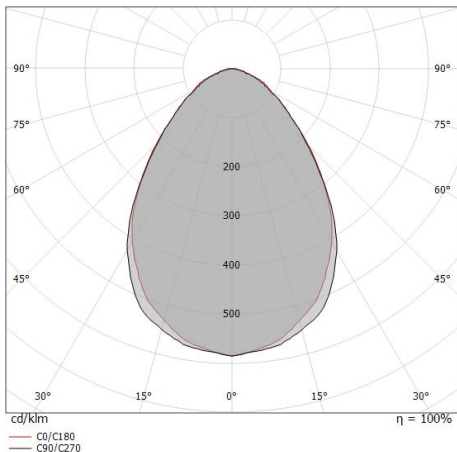
Energieeffizienzklasse	
Dieses Produkt enthält 2.4 Lichtquellen der Energieeffizienzklasse E.	

Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	47 %
Lichtstrom (Lichtquelle)	1470 lm
Leuchten Lichtstrom	693 lm
Consumption	12 W
Leuchten Lichtausbeute	57 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio	
L70 B10 C0 494435h (at Tj 65 Ta 25)	
L80 B10 C0 310287h (at Tj 65 Ta 25)	
L90 B10 C0 147586h (at Tj 65 Ta 25)	

UGR	
UGR axial	18.2
UGR transversal	18.5
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
Optik C0/C180	78°
Light distribution simmetry	Symmetrical



Systeme - Lineare Elemente | 156 topLED 12 W DC 24 V | Modular | CRI 90 | + 83407
65438W

Single emission systems, lines or lines for indoor application. The warm white LED light source is composed of 156 topLEDs with CCT of 3000 K and a CRI 90; the source luminous flux is 1470 lm, with a 122.5 lm/W nominal luminous efficacy.

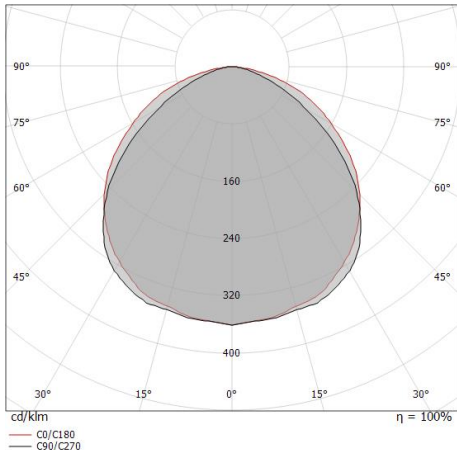
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP40; the total weight is of 0.43 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 12 W

The device features protection class III and can be ceiling-mounted, with a 67 x 595 mm hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	1.33 1.53	E(0°) E(C90) E(C0) 53.0° 56.8° 1127 123 93
1.0	2.65 3.06	E(0°) E(C90) E(C0) 53.0° 56.8° 282 31 23
1.5	3.98 4.58	E(0°) E(C90) E(C0) 53.0° 56.8° 125 14 10
2.0	5.31 6.11	E(0°) E(C90) E(C0) 53.0° 56.8° 70 8 6
2.5	6.64 7.64	E(0°) E(C90) E(C0) 53.0° 56.8° 45 5 4
3.0	7.96 9.17	E(0°) E(C90) E(C0) 53.0° 56.8° 31 3 3

Distance [m] Cone diameter [m] illuminance [lx]

— C0/C180 (Half-peak divergence: 113.6°)
— C90/C270 (Half-peak divergence: 106.0°)

Energieeffizienzklasse	
Dieses Produkt enthält 2.4 Lichtquellen der Energieeffizienzklasse E.	

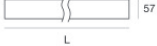
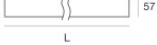
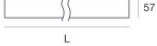
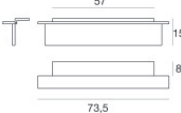
Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	53 %
Lichtstrom (Lichtquelle)	1470 lm
Leuchten Lichtstrom	781 lm
Consumption	12 W
Leuchten Lichtausbeute	65 lm/W
Farbtemperatur	3000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°C
Typische Temperatur am Glas	40°C

LED Life / Failure Ratio	
L70 B10 C0 494435h (at Tj 65 Ta 25)	
L80 B10 C0 310287h (at Tj 65 Ta 25)	
L90 B10 C0 147586h (at Tj 65 Ta 25)	

UGR	
UGR axial	20.9
UGR transversal	23.2
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
Optik C90/C270	106°
Optik C0/C180	114°
Light distribution simmetry	Symmetrical 2 assis

Rollip_PRO | Lines | Accessories
65438W

		Diffusor - Blendfreier Diffusor – Länge 5m Diffusorart: anti-glare diffuser. Material:Polymethylmethacrylat UV-beständige, bearbeitungstyp :Satinieren.	Code <u>83356</u>
		Diffusor - Blendfreier Diffusor – Länge 10m Diffusorart: anti-glare diffuser. Material:Polymethylmethacrylat UV-beständige, bearbeitungstyp :Satinieren.	Code <u>83357</u>
		Diffusor - Opal – Länge 5 m Diffusorart: opal diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>83407</u>
		Diffusor - Opal – Länge 10m Diffusorart: opal diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>83408</u>
		Diffusor - Opal – Länge 20m Diffusorart: opal diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>83409</u>
		Endkappe - Quarzglas Material:Stranggepresstes Aluminium EN AB - 46100, farbe:Text white RAL9003, bearbeitungstyp :Pulverbeschichtung mit duroplastischen Pulvern.	Code <u>62460</u>