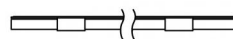
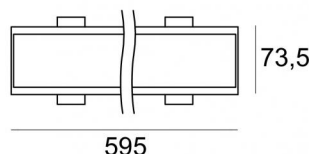


Systeme - Lineare Elemente
156 topLED 12 W DC 24 V | Modular | CRI 80
62470N



67 x
595



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)	1841 lm
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	80 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.)
	99787 DALI Controller 100-305V AC / 142-431V DC 240 W (1 - 20 art.)
	83062 DALI - Push and Simply Dim Controller 198-264V AC / V DC (1 - 12 art.)

Systeme - Lineare Elemente | 156 topLED 12 W DC 24 V | Modular | CRI 80 | + 62461
62470N

Single emission systems, lines or lines for indoor application. The natural white LED light source is composed of 156 topLEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1841 lm, with a 153.4 lm/W nominal luminous efficacy.

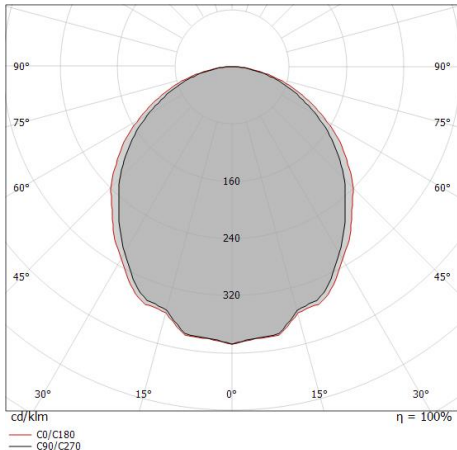
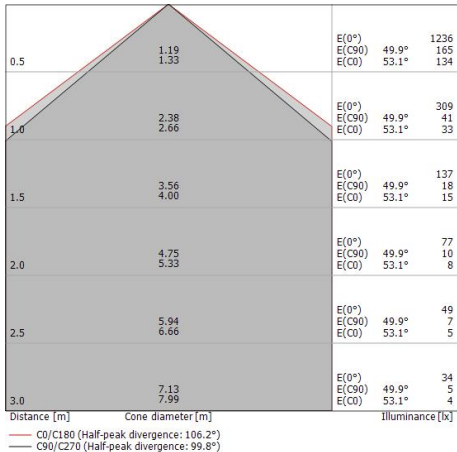
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

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 D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	43 %
Lichtstrom (Lichtquelle)	1841 lm
Leuchten Lichtstrom	797 lm
Consumption	12 W
Leuchten Lichtausbeute	66 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 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	22.8
UGR transversal	23.4
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 80 | + 62464
62470N

Single emission systems, lines or lines for indoor application. The natural white LED light source is composed of 156 topled LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1841 lm, with a 153.4 lm/W nominal luminous efficacy.

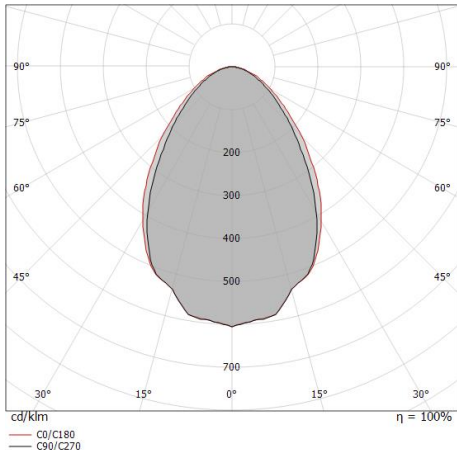
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

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° 36.1° 38.9°	1574 416 372
1.0	1.46 1.61	E(0°) E(C90) E(C0)	36.1° 36.1° 38.9°	394 104 93
1.5	2.19 2.42	E(0°) E(C90) E(C0)	36.1° 36.1° 38.9°	175 46 41
2.0	2.92 3.23	E(0°) E(C90) E(C0)	36.1° 36.1° 38.9°	98 26 23
2.5	3.65 4.03	E(0°) E(C90) E(C0)	36.1° 36.1° 38.9°	63 17 15
3.0	4.38 4.84	E(0°) E(C90) E(C0)	36.1° 36.1° 38.9°	44 12 10

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 D.	

Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	35 %
Lichtstrom (Lichtquelle)	1841 lm
Leuchten Lichtstrom	651 lm
Consumption	12 W
Leuchten Lichtausbeute	54 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 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	19
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 80 | + 83356
62470N

Single emission systems, lines or lines for indoor application. The natural white LED light source is composed of 156 topled LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1841 lm, with a 153.4 lm/W nominal luminous efficacy.

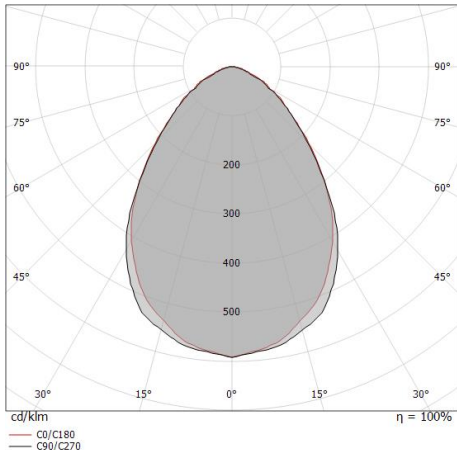
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

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	0.82 0.81	E(0°) E(C90) E(C0)	39.2° 39.2° 39.1°	2092 487 490
1.0	1.63 1.63	E(0°) E(C90) E(C0)	39.2° 39.2° 39.1°	523 122 123
1.5	2.45 2.44	E(0°) E(C90) E(C0)	39.2° 39.2° 39.1°	232 54 54
2.0	3.26 3.25	E(0°) E(C90) E(C0)	39.2° 39.2° 39.1°	131 30 31
2.5	4.08 4.06	E(0°) E(C90) E(C0)	39.2° 39.2° 39.1°	84 19 20
3.0	4.89 4.88	E(0°) E(C90) E(C0)	39.2° 39.2° 39.1°	58 14 14

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

— C0/C180 (Half-peak divergence: 78.2°)
— C90/C270 (Half-peak divergence: 78.4°)

Energieeffizienzklasse	
Dieses Produkt enthält 2.4 Lichtquellen der Energieeffizienzklasse D.	

Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	47 %
Lichtstrom (Lichtquelle)	1841 lm
Leuchten Lichtstrom	883 lm
Consumption	12 W
Leuchten Lichtausbeute	73 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 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	18.7
UGR transversal	19
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 80 | + 83407
62470N

Single emission systems, lines or lines for indoor application. The natural white LED light source is composed of 156 topLED LEDs with CCT of 4000 K and a CRI 80; the source luminous flux is 1841 lm, with a 153.4 lm/W nominal luminous efficacy.

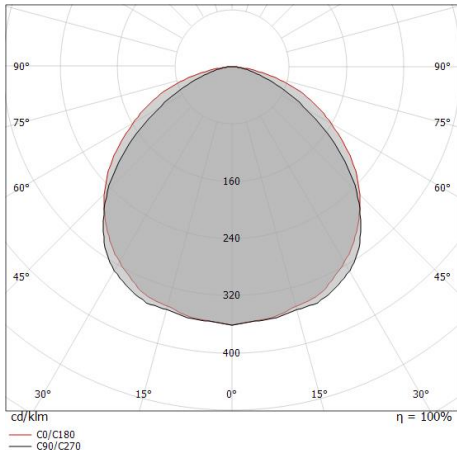
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

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° 1452 158 120
1.0	2.65 3.06	E(0°) E(C90) E(C0) 53.0° 56.8° 363 40 30
1.5	3.98 4.58	E(0°) E(C90) E(C0) 53.0° 56.8° 161 18 13
2.0	5.31 6.11	E(0°) E(C90) E(C0) 53.0° 56.8° 91 10 7
2.5	6.64 7.64	E(0°) E(C90) E(C0) 53.0° 56.8° 58 6 5
3.0	7.96 9.17	E(0°) E(C90) E(C0) 53.0° 56.8° 40 4 3

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

Energieeffizienzklasse

Dieses Produkt enthält 2.4 Lichtquellen der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	54 %
Lichtstrom (Lichtquelle)	1841 lm
Leuchten Lichtstrom	1006 lm
Consumption	12 W
Leuchten Lichtausbeute	83 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 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	21.8
UGR transversal	24
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 HI | Lines | Accessories
62470N



Diffusor - Opaline diffuser L.5mt
Diffusorart: opal diffuser.
Material:Polymethylmethacrylat UV-beständige, farbe:Opal.

Code
62461



Diffusor - Opaline diffuser L.10mt
Diffusorart: opal diffuser.
Material:Polymethylmethacrylat UV-beständige, farbe:Opal.

Code
62462



Diffusor - Opaline diffuser L.20mt
Diffusorart: opal diffuser.
Material:Polymethylmethacrylat UV-beständige, farbe:Opal.

Code
62463



Diffusor - Blendfreier Diffusor – Länge 5m
Diffusorart: anti-glare diffuser.
Material:Polymethylmethacrylat UV-beständige, bearbeitungstyp :Satinieren.

Code
83356



Diffusor - Blendfreier Diffusor – Länge 10m
Diffusorart: anti-glare diffuser.
Material:Polymethylmethacrylat UV-beständige, bearbeitungstyp :Satinieren.

Code
83357



Diffusor - Opal – Länge 5 m
Diffusorart: opal diffuser.
Material:UV beständiges Polycarbonat, farbe:Opal.

Code
83407



Diffusor - Opal – Länge 10m
Diffusorart: opal diffuser.
Material:UV beständiges Polycarbonat, farbe:Opal.

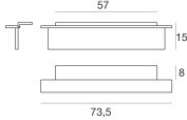
Code
83408



Diffusor - Opal – Länge 20m
Diffusorart: opal diffuser.
Material:UV beständiges Polycarbonat, farbe:Opal.

Code
83409

Rollip_PRO HI | Lines | Accessories
62470N

		Endkappe - Quarzglas	Code
		Material:Stranggepresstes Aluminium EN AB - 46100, farbe:Text white RAL9003, bearbeitungstyp :Pulverbeschichtung mit duroplastischen Pulvern.	<u>62460</u>