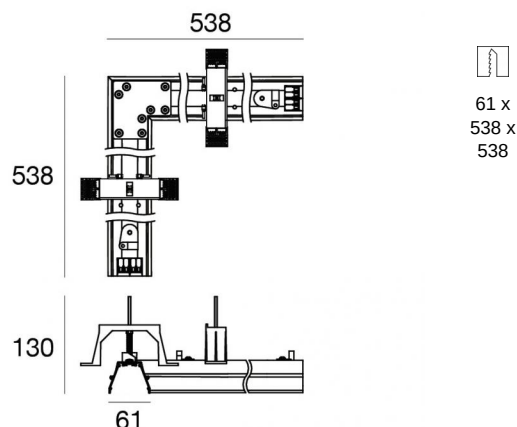


Lineare Elemente | 128 topLED 13 W DC 48 V
Modular | CRI 90
C00345WHNZZ



Technische Daten	
Typ	Frameless
Installationsposition	Decke
Installationsumgebung	Indoor
Lichtquelle	LED
Circuit structure	topLED
Optik	No optic
Light emission direction	downward
Lampe Nennleistung	13 W DC
Lichtstrom (Lichtquelle)	1880 lm
Ähnlichste Farbtemperatur / Tone	4000 K
Farbwiedergabeindex	90 Ra
Gleichstrom/Gleichspannung	CV
Isolierklasse	3
IP	IP40
IP optisches System	IP54
Glühdrahtprüfung	Nein
Direkte Montage auf normal entflammaren Oberflächen	Ja
CE	Ja
Einschließlich Driver	Nein
Leuchte dimmbar	DALI - 1-10V
Schwenkbarkeit	Nein
Drehbarkeit	Nein
Begehrbarkeit	Nein
Überrollbarkeit	Nein
Einschließlich Kabel	Nein
Harzbeschichtung	Nein
Einbautiefe	130 mm
Typ Lichtabstrahlung	Einflammig
Nettogewicht	0.92 Kg
Modularity	Modular
Schutz vor elektrostatischen Entladungen	Nein
Schutz vor Stoßspannungen	Nein

Oberfläche Oberfläche Gehäuse

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

Elektronik

 99784
Switching Driver 180~295V AC / V DC (1 - 11 art.)

 99785
On/Off Driver 100~305V AC / V DC (1 - 18 art.)

 C-E400003
Push and Simply Dim - DALI-2 Controller (1 - 11 art.)

 C-E300009
On/Off Driver 220~240V AC / V DC (1 - 5 art.)

 C-E300010
On/Off Driver 220~240V AC / V DC (1 - 11 art.)

Lineare Elemente | 128 topLED 13 W DC 48 V | Modular | CRI 90 | + C-U200008+1
C00345WHNZZ

Single emission lines for indoor application. The natural white LED light source with a no optic light distribution is composed of 128 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1880 lm, with a 144.6 lm/W nominal luminous efficacy.

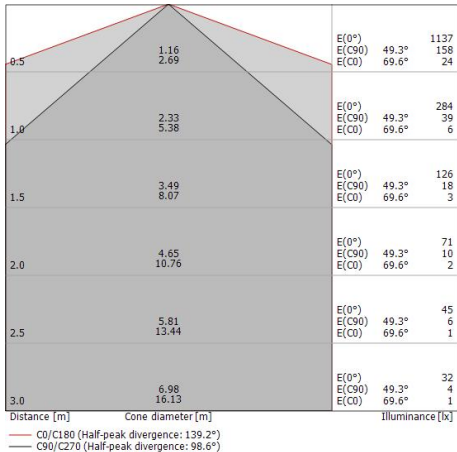
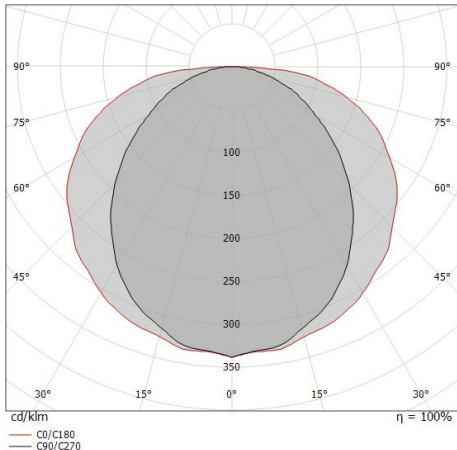
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP40; the total weight is of 0.92 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 13 W

The device features protection class III and can be ceiling-mounted, with a 61 x 538 x 538 mm hole (in plasterboard).

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



Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	44 %
Lichtstrom (Lichtquelle)	1880 lm
Leuchten Lichtstrom	840 lm
Consumption	6.5 W
Leuchten Lichtausbeute	129 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°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	22.5
UGR transversal	27.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	99°
Optik C0/C180	139°
Light distribution simmetry	Symmetrical 2 assis

Lineare Elemente | 128 topLED 13 W DC 48 V | Modular | CRI 90 | + C-U200012+1
C00345WHNZZ

Single emission lines for indoor application. The natural white LED light source with a no optic light distribution is composed of 128 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1880 lm, with a 144.6 lm/W nominal luminous efficacy.

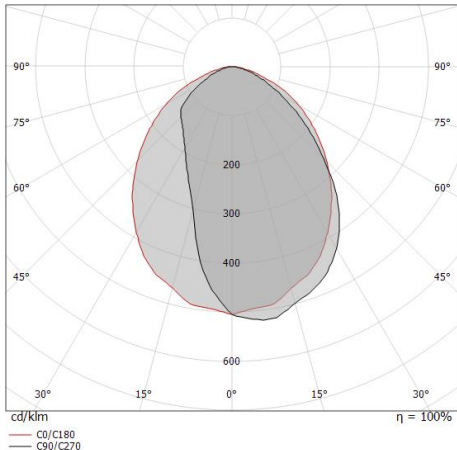
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The total absorbed power is 13 W

The device features protection class III and can be ceiling-mounted, with a 61 x 538 x 538 mm hole (in plasterboard).

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



0.5	1.09	E(0°) E(C0)	47.4°	1736 270
1.0	2.17	E(0°) E(C0)	47.4°	434 67
1.5	3.26	E(0°) E(C0)	47.4°	193 30
2.0	4.35	E(0°) E(C0)	47.4°	108 17
2.5	5.44	E(0°) E(C0)	47.4°	69 11
3.0	6.52	E(0°) E(C0)	47.4°	48 7

Distance [m] Cone diameter [m] Illuminance [lx]
— C0/C180 (Half-peak divergence: 94.8°)

Energieeffizienzklasse	
Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse D.	

Illuminotechnical Eigenschaften	
Light Output Ratio (LOR)	45 %
Lichtstrom (Lichtquelle)	1880 lm
Leuchten Lichtstrom	859 lm
Consumption	6.5 W
Leuchten Lichtausbeute	132 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°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	22.5
UGR transversal	27.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
Optik C0/C180	95°
Light distribution simmetry	Asymmetrical

Lineare Elemente | 128 topLED 13 W DC 48 V | Modular | CRI 90 | + C-U200012+2
C00345WHNZZ

Single emission lines for indoor application. The natural white LED light source with a no optic light distribution is composed of 128 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1880 lm, with a 144.6 lm/W nominal luminous efficacy.

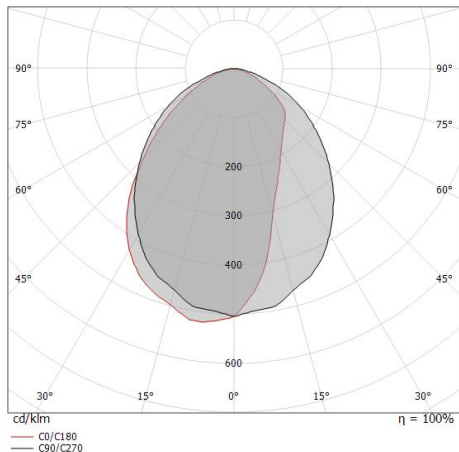
The device body is made of aluminium alloy 6060 and features a text white ral9003 finish, processed by means of powder coating with thermosetting powders.

The ingress protection degree is IP40; the total weight is of 0.92 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 13 W

The device features protection class III and can be ceiling-mounted, with a 61 x 538 x 538 mm hole (in plasterboard).

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



Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	45 %
Lichtstrom (Lichtquelle)	1880 lm
Leuchten Lichtstrom	859 lm
Consumption	6.5 W
Leuchten Lichtausbeute	132 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°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	22.5
UGR transversal	27.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	95°
Light distribution simmetry	Asymmetrical

Lineare Elemente | 128 topLED 13 W DC 48 V | Modular | CRI 90 | + C-U200008+2
C00345WHNZZ

Single emission lines for indoor application. The natural white LED light source with a no optic light distribution is composed of 128 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1880 lm, with a 144.6 lm/W nominal luminous efficacy.

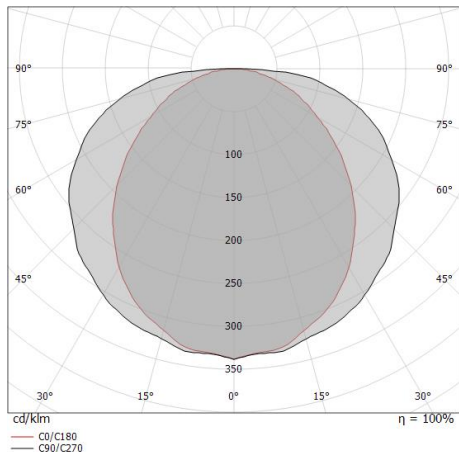
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The ingress protection degree is IP40; the total weight is of 0.92 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 13 W

The device features protection class III and can be ceiling-mounted, with a 61 x 538 x 538 mm hole (in plasterboard).

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



Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	44 %
Lichtstrom (Lichtquelle)	1880 lm
Leuchten Lichtstrom	840 lm
Consumption	6.5 W
Leuchten Lichtausbeute	129 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°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	22.5
UGR transversal	27.6
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	139°
Optik C0/C180	99°
Light distribution simmetry	Symmetrical 2 assis

Lineare Elemente | 128 topLED 13 W DC 48 V | Modular | CRI 90 | + C-U200014+1
C00345WHNZZ

Single emission lines for indoor application. The natural white LED light source with a no optic light distribution is composed of 128 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1880 lm, with a 144.6 lm/W nominal luminous efficacy.

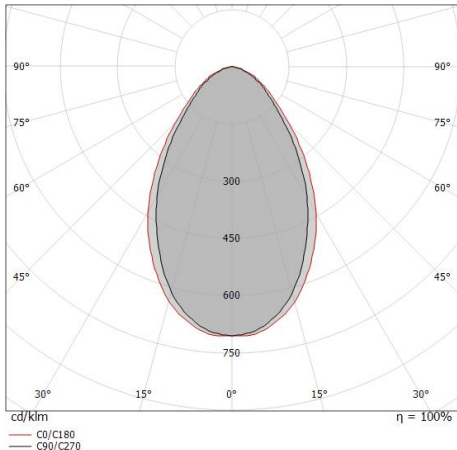
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The ingress protection degree is IP40; the total weight is of 0.92 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 13 W

The device features protection class III and can be ceiling-mounted, with a 61 x 538 x 538 mm hole (in plasterboard).

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



Distance [m]	Cone diameter [m]	illuminance [lx]
0.5	0.64 0.71	E(0°) E(C90) E(C0) 2054 614 558
1.0	1.28 1.42	E(0°) E(C90) E(C0) 513 154 140
1.5	1.92 2.13	E(0°) E(C90) E(C0) 228 68 62
2.0	2.56 2.84	E(0°) E(C90) E(C0) 128 38 35
2.5	3.20 3.55	E(0°) E(C90) E(C0) 82 25 22
3.0	3.84 4.26	E(0°) E(C90) E(C0) 57 17 16

— C0/C180 (Half-peak divergence: 70.8°)
— C90/C270 (Half-peak divergence: 65.2°)

Energieeffizienzklasse

Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse D.

Illuminotechnical Eigenschaften

Light Output Ratio (LOR)	38 %
Lichtstrom (Lichtquelle)	1880 lm
Leuchten Lichtstrom	729 lm
Consumption	6.5 W
Leuchten Lichtausbeute	112 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°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	18.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL

Optik C90/C270	65°
Optik C0/C180	71°
Light distribution simmetry	Symmetrical 2 assis

Lineare Elemente | 128 topLED 13 W DC 48 V | Modular | CRI 90 | + C-U200014+2
C00345WHNZZ

Single emission lines for indoor application. The natural white LED light source with a no optic light distribution is composed of 128 topLEDs with CCT of 4000 K and a CRI 90; the source luminous flux is 1880 lm, with a 144.6 lm/W nominal luminous efficacy.

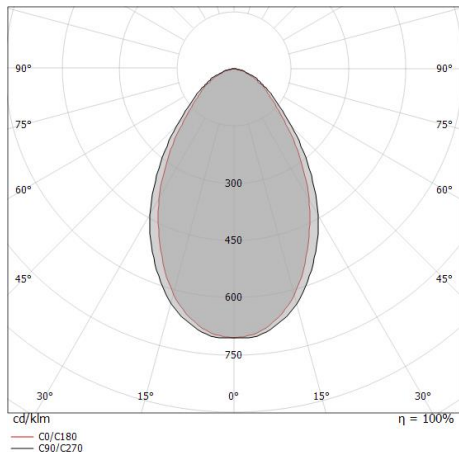
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The ingress protection degree is IP40; the total weight is of 0.92 kg. The power supply driver is not provided and is to be ordered separately.

The total absorbed power is 13 W

The device features protection class III and can be ceiling-mounted, with a 61 x 538 x 538 mm hole (in plasterboard).

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



Energieeffizienzklasse	
Dieses Produkt enthält 2 Lichtquellen der Energieeffizienzklasse D.	

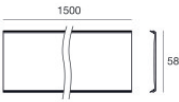
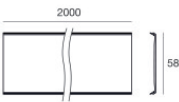
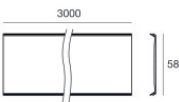
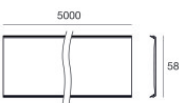
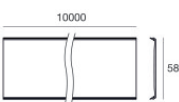
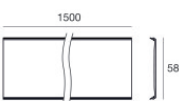
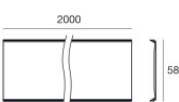
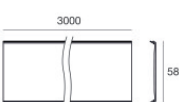
Illuminotechnical Eigenschaften	
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Consumption	6.5 W
Leuchten Lichtausbeute	112 lm/W
Farbtemperatur	4000 K
Standard Deviation of Colour Matching	3 Step MacAdam
Farbwiedergabeindex	90 Ra
Standardumgebungstemperatur	-20 / +50°C

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)	

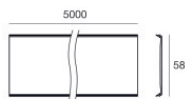
UGR	
UGR axial	18.2
UGR transversal	18.8
X=4H Y=8H	S=0.25H
Reflection factor	70/50/20

OPTICAL	
Optik C90/C270	71°
Optik C0/C180	65°
Light distribution simmetry	Symmetrical 2 assis

Rollip60_MF | Lines | Accessories
C00345WHNZZ

		Diffusor - Asymmetrisch - Länge 1.5m Diffusorart: asymmetric diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200038</u>
		Diffusor - Asymmetrisch - Länge 2m Diffusorart: asymmetric diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200039</u>
		Diffusor - Asymmetrisch - Länge 3m Diffusorart: asymmetric diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200040</u>
		Diffusor - Asymmetrisch - Länge 5m Diffusorart: asymmetric diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200012</u>
		Diffusor - Asymmetrisch - Länge 10m Diffusorart: asymmetric diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200013</u>
		Diffusor - Opal - Länge 1.5m Diffusorart: opal diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200041</u>
		Diffusor - Opal - Länge 2m Diffusorart: opal diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200042</u>
		Diffusor - Opal - Länge 3m Diffusorart: opal diffuser. Material:UV beständiges Polycarbonat, farbe:Opal.	Code <u>C-U200043</u>

Rollip60_MF | Lines | Accessories
C00345WHNZZ



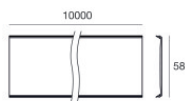
Diffusor - Opal – Länge 5 m

Diffusorart: opal diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal.

Code

C-U200008



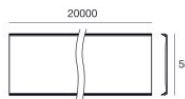
Diffusor - Opal – Länge 10m

Diffusorart: opal diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal.

Code

C-U200009



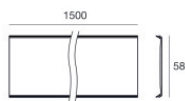
Diffusor - Opal – Länge 20m

Diffusorart: opal diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal.

Code

C-U200010



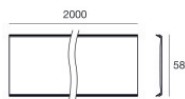
Diffusor - Blendfreier Diffusor – Länge 1.5m

Diffusorart: anti-glare diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal, bearbeitungstyp :Satinieren.

Code

C-U200044



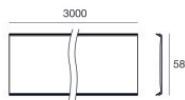
Diffusor - Blendfreier Diffusor – Länge 2m

Diffusorart: anti-glare diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal, bearbeitungstyp :Satinieren.

Code

C-U200045



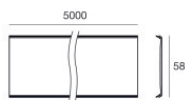
Diffusor - Blendfreier Diffusor – Länge 3m

Diffusorart: anti-glare diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal, bearbeitungstyp :Satinieren.

Code

C-U200046



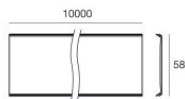
Diffusor - Blendfreier Diffusor – Länge 5m

Diffusorart: anti-glare diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal, bearbeitungstyp :Satinieren.

Code

C-U200014



Diffusor - Blendfreier Diffusor – Länge 10m

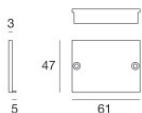
Diffusorart: anti-glare diffuser.

Material:UV beständiges Polycarbonat, farbe:Opal, bearbeitungstyp :Satinieren.

Code

C-U200015

Rollip60_MF | Lines | Accessories
C00345WHNZZ



Endkappe - Um die Endkappen verwenden zu können, ist es notwendig, die Länge des Installationslochs um 8 mm zu vergrößern.

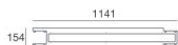
Material:Aluminium, farbe:Text white RAL9003, bearbeitungstyp :Lackierung.

Code

C-V400010



x 2



Lochschablone - Schablone für den Einbau mit Kotflügeln (C-C600001)

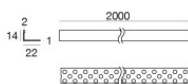
Material:MDF, farbe:Holz.

Code

C-V200007



x 2



Werkzeug - Fenderzubehör für Gipskartonplatten. Das Installationsloch für den Rollip_MF muss im Vergleich zu den Angaben im Datenblatt um 7,5 mm breiter werden.

Material:Verzinktes Eisen, farbe:Grau, bearbeitungstyp :Verzinken.

Code

C-C600001