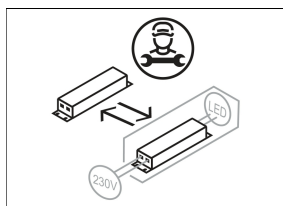
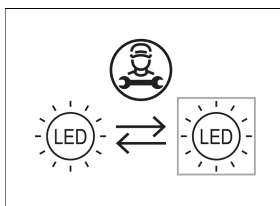
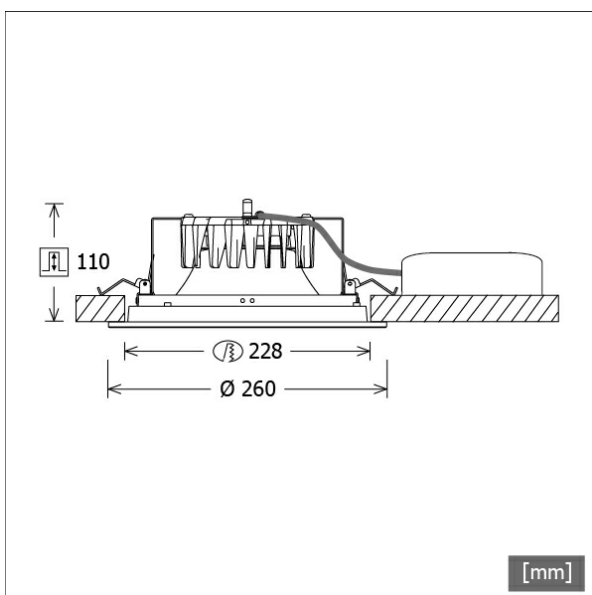


CDL 40.3040.02/DALI



Farbe	Artikelnummer	EAN
silber	660148	4043544689672
weiß	660149	4043544689689



Beschreibung

- Einbau-Downlight für Allgemeinbeleuchtung
- Leuchte erweiterbar mit verschiedenen optischen Dekorringen und Gläsern
- hohe Wartungsfreundlichkeit
- keine UV- und Wärmestrahlung
- innovatives Wärmemanagement mit Passivkühlung (Kühlkörper aus Aluminiumdruckguss)
- Spiegelreflektor aus Aluminium mit präziser symmetrischer Abstrahlcharakteristik für optimale Lichtausbeute und Entblendung
- Front-/Einbauring aus Polycarbonat
- werkzeugloser Deckeneinbau mit Schnellspannern (automatische Anpassung der Deckenstärke)
- Anschluss an Betriebsgerät über vormontiertes Leuchtenkabel
- Betriebsgerät (LED-Konverter DALI, dimmbar) inklusive (Platzierung extern)

Hinweise

Betoneingießtopf auf Anfrage erhältlich.

Standardoptionen



Sonderoptionen



Lichttechnik / Normen

Leuchtmittel	LED Modul / CRI 80 / 4000 K
EPREL Lichtquellen	891020
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	28.0 W
Leuchten-Lichtstrom	max. 3160 lm
Systemeffizienz	107.50 lm/W
Moduleffizienz	123.23 lm/W
UGR Klasse	≤28
Abstrahlwinkel	73°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

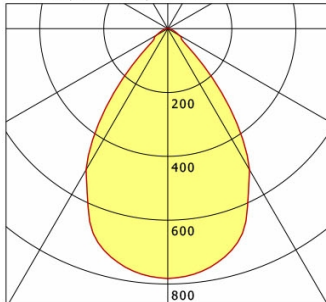
Abmessungen / Gewichte

Außendurchmesser	260 mm
Höhe	114 mm
Ausschnittsmaß (Ø)	228 mm
Deckenstärke	10.0 - 35.0 mm
Einbautiefe	110 mm
Nettogewicht	1.02 kg
Bruttogewicht	1.18 kg

CDL 40.3040.02/DALI

Multi 40 (CDZ 4.08, 1xLED 28W 840/4000K 3010lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	783	783	783	783
15°	730	730	730	730
30°	511	511	511	511
45°	139	139	139	139
60°	41	41	41	41
75°	14	14	14	14
90°	1	1	1	1

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

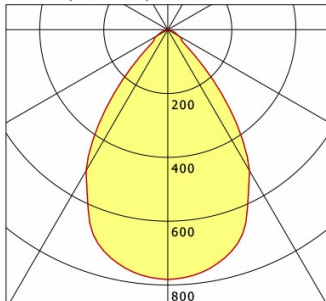
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.22	261.8
6.0	8.43	65.5
9.0	12.65	29.1
12.0	16.87	16.4
15.0	21.09	10.5

η	LED
Efficiency	108 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.1
UGR C90/C270	21.1
CIE Flux Codes	82 95 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.63, 1xLED 28W 840/4000K 3010lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	783	783	783	783
15°	730	730	730	730
30°	511	511	511	511
45°	139	139	139	139
60°	41	41	41	41
75°	14	14	14	14
90°	1	1	1	1

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

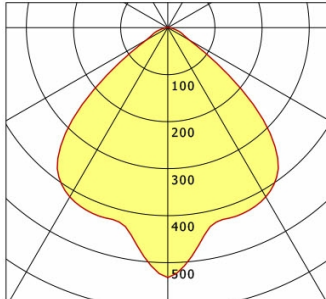
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.22	261.8
6.0	8.43	65.5
9.0	12.65	29.1
12.0	16.87	16.4
15.0	21.09	10.5

η	LED
Efficiency	108 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.1
UGR C90/C270	21.1
CIE Flux Codes	82 95 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.60, 1xLED 28W 840/4000K 3020lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	532	532	532	532
15°	425	425	425	425
30°	416	416	416	416
45°	297	297	297	297
60°	52	52	52	52
75°	18	18	18	18
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

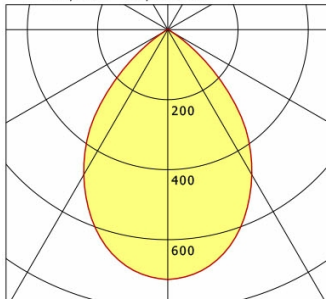
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.39	178.4
6.0	12.78	44.6
9.0	19.17	19.8
12.0	25.55	11.2
15.0	31.94	7.1

η	LED
Efficiency	108 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.0
UGR C90/C270	24.0
CIE Flux Codes	65 94 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.39, 1xLED 28W 840/4000K 3060lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	714	714	714	714
15°	651	651	651	651
30°	479	479	479	479
45°	229	229	229	229
60°	15	15	15	15
75°	5	5	5	5
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

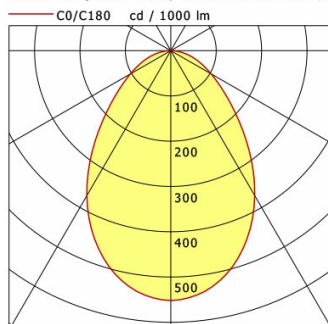
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.72	242.7
6.0	9.45	60.7
9.0	14.17	27.0
12.0	18.89	15.2
15.0	23.62	9.7

η	LED
Efficiency	109 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.2
UGR C90/C270	21.2
CIE Flux Codes	78 99 100 100 100
Ra/CRI	>80

LTS

CDL 40.3040.02/DALI

Multi 40 (CDZ 4.61, 1xLED 28W 840/4000K 2870lm 73 °)



	C0	C90	C180	C270
0°	552	552	552	552
15°	502	502	502	502
30°	370	370	370	370
45°	207	207	207	207
60°	103	103	103	103
75°	44	44	44	44
90°	1	1	1	1

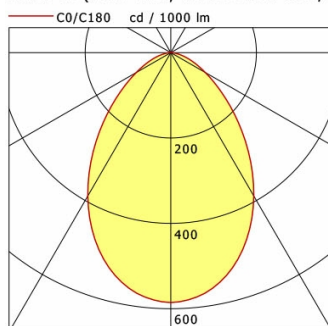
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.76	176.0
6.0	9.51	44.0
9.0	14.27	19.6
12.0	19.03	11.0
15.0	23.78	7.0

η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	26.5
UGR C90/C270	26.5
CIE Flux Codes	61 86 97 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.38, 1xLED 28W 840/4000K 2830lm 73 °)



	C0	C90	C180	C270
0°	586	586	586	586
15°	531	531	531	531
30°	388	388	388	388
45°	216	216	216	216
60°	93	93	93	93
75°	30	30	30	30
90°	0	0	0	0

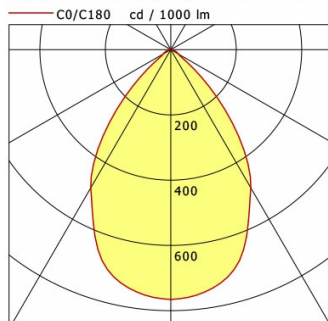
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.71	184.1
6.0	9.43	46.0
9.0	14.14	20.5
12.0	18.86	11.5
15.0	23.57	7.4

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.0
UGR C90/C270	25.0
CIE Flux Codes	64 89 98 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.35, 1xLED 28W 840/4000K 3100lm 73 °)



	C0	C90	C180	C270
0°	766	766	766	766
15°	710	710	710	710
30°	489	489	489	489
45°	184	184	184	184
60°	27	27	27	27
75°	12	12	12	12
90°	0	0	0	0

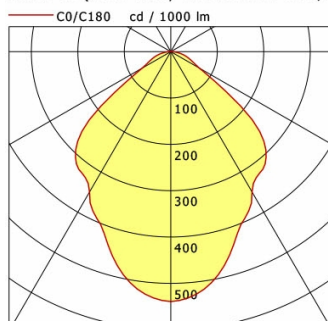
cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.34	263.8
6.0	8.68	65.9
9.0	13.01	29.3
12.0	17.35	16.5
15.0	21.69	10.6

η	LED
Efficiency	111 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.1
UGR C90/C270	21.1
CIE Flux Codes	81 96 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.64, 1xLED 28W 840/4000K 2880lm 73 °)



	C0	C90	C180	C270
0°	539	539	539	539
15°	467	467	467	467
30°	350	350	350	350
45°	287	287	287	287
60°	71	71	71	71
75°	30	30	30	30
90°	2	2	2	2

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.40	172.6
6.0	12.80	43.1
9.0	19.20	19.2
12.0	25.60	10.8
15.0	32.01	6.9

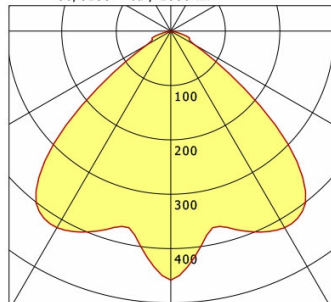
η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.2
UGR C90/C270	25.2
CIE Flux Codes	60 90 98 100 100
Ra/CRI	>80

LTS

CDL 40.3040.02/DALI

Multi 40 (CDZ 4.01, 1xLED 28W 840/4000K 2570lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	458	458	458	458
15°	372	372	372	372
30°	417	417	417	417
45°	316	316	316	316
60°	51	51	51	51
75°	20	20	20	20
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

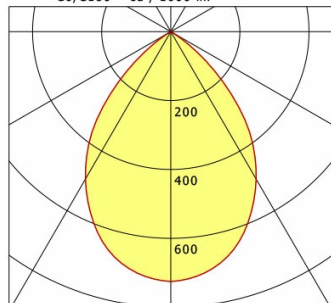
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.98	130.8
6.0	13.96	32.7
9.0	20.93	14.5
12.0	27.91	8.2
15.0	34.89	5.2

η	LED
Efficiency	92 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.7
UGR C90/C270	23.7
CIE Flux Codes	63 94 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDL ohne Dekor, 1xLED 28W 840/4000K 3160lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	725	725	725	725
15°	667	667	667	667
30°	494	494	494	494
45°	231	231	231	231
60°	4	4	4	4
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

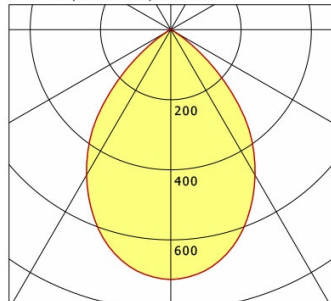
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.76	254.7
6.0	9.52	63.7
9.0	14.28	28.3
12.0	19.04	15.9
15.0	23.80	10.2

η	LED
Efficiency	113 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.1
UGR C90/C270	21.1
CIE Flux Codes	80 100 100 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.62, 1xLED 28W 840/4000K 3100lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	713	713	713	713
15°	651	651	651	651
30°	480	480	480	480
45°	230	230	230	230
60°	15	15	15	15
75°	5	5	5	5
90°	0	0	0	0

cd / 1000 lm

Offset [m] Cone width [m] Illuminance [lx]

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.73	245.7
6.0	9.47	61.4
9.0	14.20	27.3
12.0	18.94	15.4
15.0	23.67	9.8

η	LED
Efficiency	111 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.2
UGR C90/C270	21.2
CIE Flux Codes	78 99 100 100 100
Ra/CRI	>80

LTS

CDL 40.3040.02/DALI

Zubehör



CDZ 4.01
Glasscheibe teilmattiert
(innenliegend)



CDZ 4.08
Glasring satiniert
(vorgesetzt)



CDZ 4.35
Dekoglasring mattiert
(innenliegend)



CDZ 4.38
Glasscheibe satiniert
(innenliegend)



CDZ 4.39
Glasscheibe klar
(innenliegend)



CDZ 4.60
Acrylglasscheibe teilmattiert
(innenliegend)



CDZ 4.61
Acrylglasscheibe mattiert
(innenliegend)



CDZ 4.62
Acrylglasscheibe klar
(innenliegend)



CDZ 4.63
Acrylglasring mattiert
(vorgesetzt)



CDZ 4.64
Acrylglasscheibe innen mattiert
(vorgesetzt)



NOL 50B/3H/DALI
LED-Notlichteinheit



ZVP 100
Universalverstärkungsrahmen
(Modul 625 x 625)