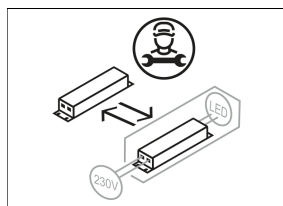
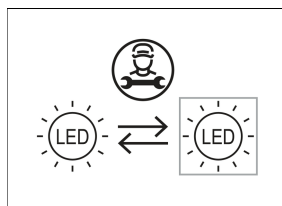
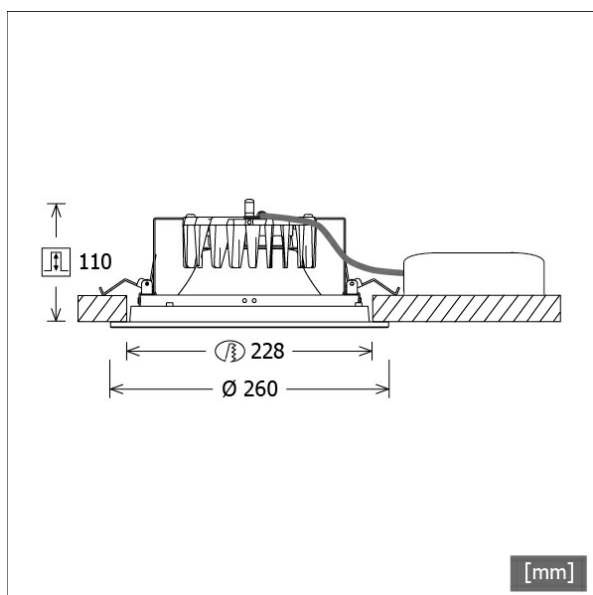


CDL 40.3040.02/DALI



Colours	Article no.	EAN
silver	660148	4043544689672
white	660149	4043544689689



Description

- recessed downlight for general lighting
- luminaire can be expanded with different optic decor rings and glasses
- outstanding ease of maintenance
- no UV and thermal emissions
- innovative thermal management with passive cooling (heat sink made from die-cast aluminium)
- specular aluminium reflector with precise symmetrical beam characteristic for high luminous efficiency and glare-free lighting
- front/recessed ring made from polycarbonate
- tool-free ceiling mounting via quick-action clamps (automatic adjustment of the ceiling thickness)
- connection to ballast via pre-fitted luminaire cable
- ballast (LED converter DALI, dimmable) included (external placement)

Notes

concrete casting surround available on demand.

Standard options



Special options



Lighting data / Norms

Lamps	LED Modul / CRI 80 / 4000 K
EPREL light sources	891020
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	28.0 W
Luminaire luminous flux	max. 3160 lm
System efficiency	107.50 lm/W
Module efficiency	123.23 lm/W
UGR class	≤28
Beam angle	73°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

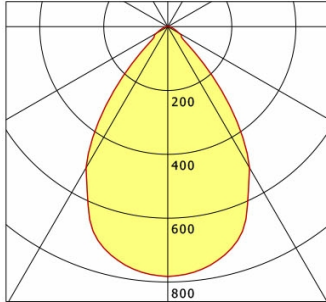
Dimensions / Weights

Outer diameter	260 mm
Height	114 mm
Cut-out (Ø)	228 mm
Ceiling thickness	10.0 - 35.0 mm
Recessed depth	110 mm
Net weight	1.02 kg
Gross weight	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]
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

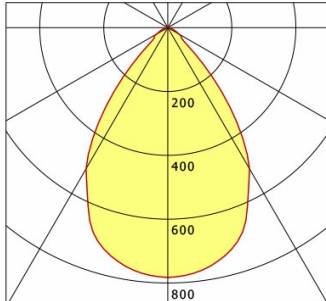
C0-C180 Plane

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]
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

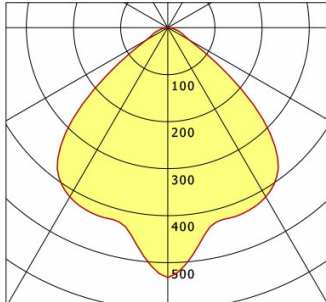
C0-C180 Plane

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]
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

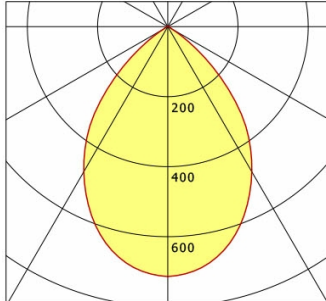
C0-C180 Plane

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]
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

C0-C180 Plane

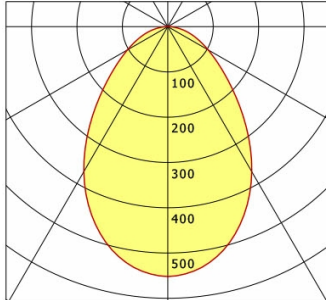
η	LED
Efficiency	109 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.2
UGR C90/C270	21.2
CIE Flux Codes	78 99 100 100 100
Ra/CRI	>80

LTS

CDL 40.3040.02/DALI

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

C0/C180 cd / 1000 lm



	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]

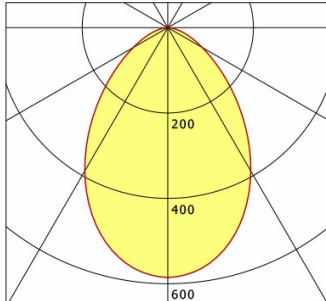
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.76	176.0
6.0	9.51	44.0
9.0	14.27	19.6
12.0	19.03	11.0
15.0	23.78	7.0

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/C180 cd / 1000 lm



	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]

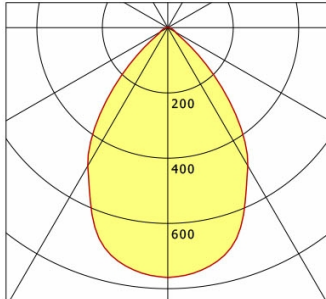
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.71	184.1
6.0	9.43	46.0
9.0	14.14	20.5
12.0	18.86	11.5
15.0	23.57	7.4

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/C180 cd / 1000 lm



	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]

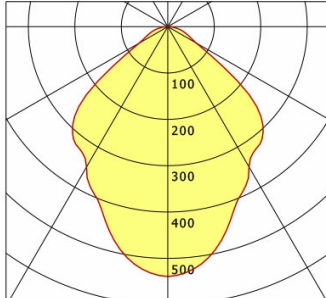
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.34	263.8
6.0	8.68	65.9
9.0	13.01	29.3
12.0	17.35	16.5
15.0	21.69	10.6

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/C180 cd / 1000 lm



	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]

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

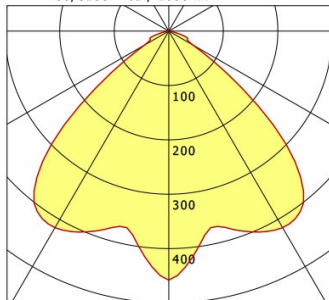
η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.2
UGR C90/C270	25.2
CIE Flux Codes	60 90 98 100 100
Ra/CRI	>80

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]

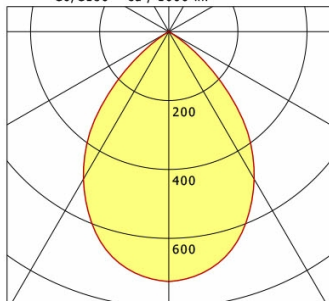
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.98	130.8
6.0	13.96	32.7
9.0	20.93	14.5
12.0	27.91	8.2
15.0	34.89	5.2

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]

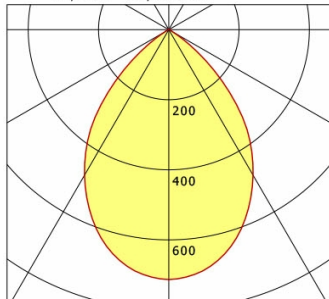
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.76	254.7
6.0	9.52	63.7
9.0	14.28	28.3
12.0	19.04	15.9
15.0	23.80	10.2

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

Accessories



CDZ 4.01
partly frosted glass pane
(inside)



CDZ 4.08
satinated glass ring
(protruding)



CDZ 4.35
frosted decorative glass ring
(inside)



CDZ 4.38
satinated glass pane
(inside)



CDZ 4.39
clear glass pane
(inside)



CDZ 4.60
partly frosted acrylic glass pane
(inside)



CDZ 4.61
frosted acrylic glass pane
(inside)



CDZ 4.62
clear acrylic glass pane
(inside)



CDZ 4.63
frosted acrylic glass ring
(protruding)



CDZ 4.64
acrylic glass pane frosted in centre
(protruding)



NOL 50B/3H/DALI
LED emergency light-unit



ZVP 100
universal reinforcement frame
(module 625 x 625)