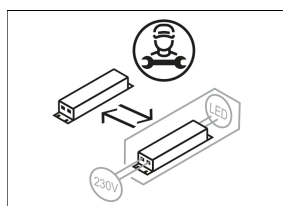
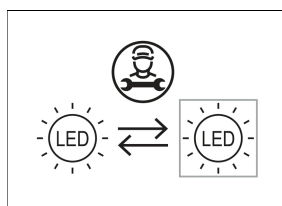
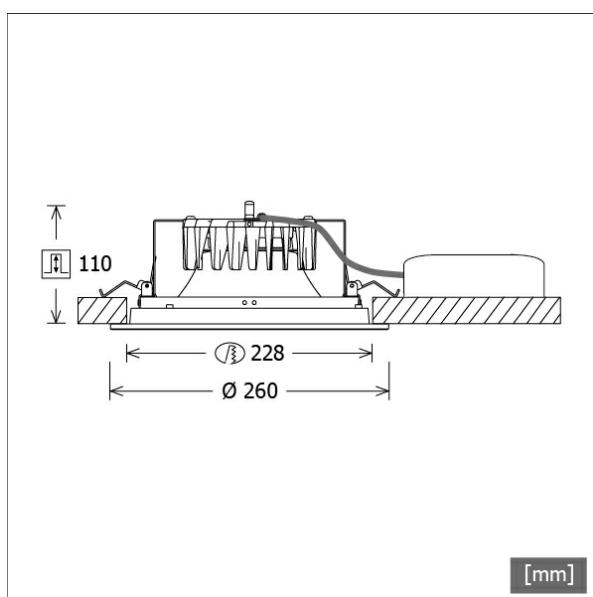


CDL 40.1140.02/DALI



Colours	Article no.	EAN
silver	660132	4043544689511
white	660133	4043544689528



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	891017
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	11.0 W
Luminaire luminous flux	max. 1170 lm
System efficiency	100.90 lm/W
Module efficiency	122.35 lm/W
UGR class	≤22
Beam angle	73°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

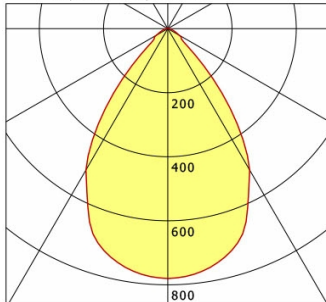
Dimensions / Weights

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 40.1140.02/DALI

Multi 40 (CDZ 4.08, 1xLED 11W 840/4000K 1110lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	780	780	780	780
15°	728	728	728	728
30°	510	510	510	510
45°	140	140	140	140
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]

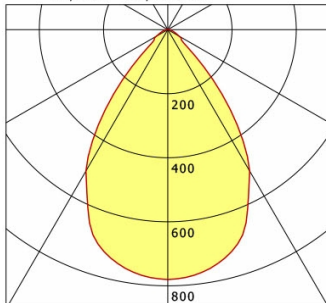
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.22	96.2
6.0	8.45	24.1
9.0	12.67	10.7
12.0	16.90	6.0
15.0	21.12	3.8

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.7
UGR C90/C270	17.7
CIE Flux Codes	82 95 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.63, 1xLED 11W 840/4000K 1110lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	780	780	780	780
15°	728	728	728	728
30°	510	510	510	510
45°	140	140	140	140
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]

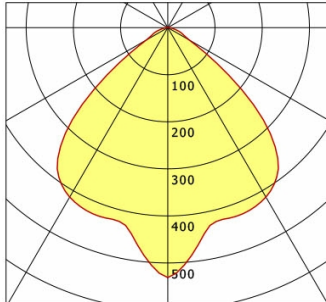
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.22	96.2
6.0	8.45	24.1
9.0	12.67	10.7
12.0	16.90	6.0
15.0	21.12	3.8

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.7
UGR C90/C270	17.7
CIE Flux Codes	82 95 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.60, 1xLED 11W 840/4000K 1110lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	531	531	531	531
15°	424	424	424	424
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]

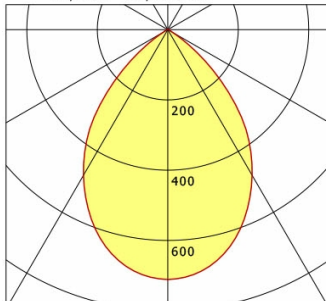
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	6.39	65.5
6.0	12.79	16.4
9.0	19.18	7.3
12.0	25.58	4.1
15.0	31.97	2.6

η	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.5
UGR C90/C270	20.5
CIE Flux Codes	65 94 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.39, 1xLED 11W 840/4000K 1130lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	711	711	711	711
15°	650	650	650	650
30°	479	479	479	479
45°	229	229	229	229
60°	16	16	16	16
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	89.3
6.0	9.47	22.3
9.0	14.20	9.9
12.0	18.94	5.6
15.0	23.67	3.6

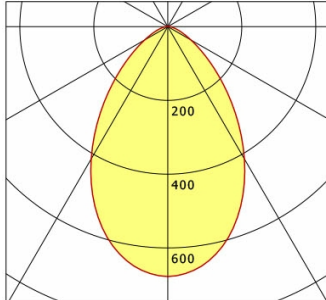
η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.7
UGR C90/C270	17.7
CIE Flux Codes	78 98 100 100 100
Ra/CRI	>80

LTS

CDL 40.1140.02/DALI

Multi 40 (CDZ 4.61, 1xLED 11W 840/4000K 1120lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	678	678	678	678
15°	604	604	604	604
30°	414	414	414	414
45°	203	203	203	203
60°	72	72	72	72
75°	22	22	22	22
90°	1	1	1	1

cd / 1000 lm

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

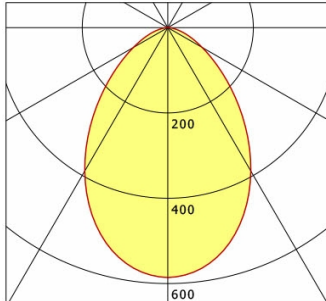
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.21	84.3
6.0	8.42	21.1
9.0	12.64	9.4
12.0	16.85	5.3
15.0	21.06	3.4

η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.4
UGR C90/C270	20.4
CIE Flux Codes	69 92 98 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.38, 1xLED 11W 840/4000K 1050lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	586	586	586	586
15°	532	532	532	532
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]

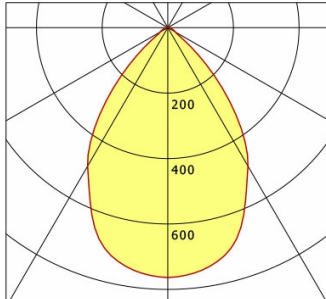
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.71	68.4
6.0	9.43	17.1
9.0	14.14	7.6
12.0	18.86	4.3
15.0	23.57	2.7

η	LED
Efficiency	95 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.5
UGR C90/C270	21.5
CIE Flux Codes	64 89 98 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.35, 1xLED 11W 840/4000K 1140lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	764	764	764	764
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]

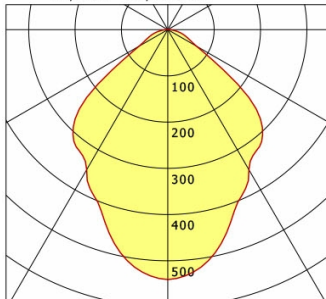
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.34	96.7
6.0	8.69	24.2
9.0	13.03	10.7
12.0	17.38	6.0
15.0	21.72	3.9

η	LED
Efficiency	104 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.7
UGR C90/C270	17.7
CIE Flux Codes	80 96 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.64, 1xLED 11W 840/4000K 1060lm 73 °)

C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	541	541	541	541
15°	468	468	468	468
30°	350	350	350	350
45°	286	286	286	286
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	6.37	63.7
6.0	12.74	15.9
9.0	19.11	7.1
12.0	25.49	4.0
15.0	31.86	2.5

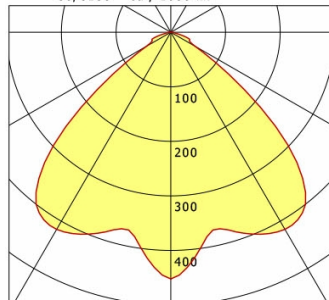
η	LED
Efficiency	96 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.7
UGR C90/C270	21.7
CIE Flux Codes	60 90 98 100 100
Ra/CRI	>80

LTS

CDL 40.1140.02/DALI

Multi 40 (CDZ 4.01, 1xLED 11W 840/4000K 950lm 73 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	452	452	452	452
15°	374	374	374	374
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]

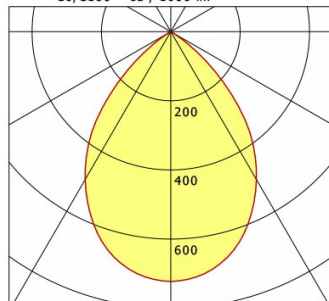
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	7.01	47.7
6.0	14.02	11.9
9.0	21.02	5.3
12.0	28.03	3.0
15.0	35.04	1.9

η	LED
Efficiency	86 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.3
UGR C90/C270	20.3
CIE Flux Codes	63 94 99 100 100
Ra/CRI	>80

LTS

Multi 40 (CDL ohne Dekor, 1xLED 11W 840/4000K 1170lm 73 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	723	723	723	723
15°	666	666	666	666
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]

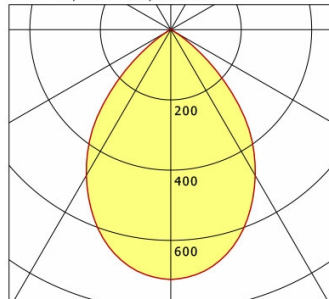
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.77	94.0
6.0	9.54	23.5
9.0	14.32	10.4
12.0	19.09	5.9
15.0	23.86	3.8

η	LED
Efficiency	106 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.7
UGR C90/C270	17.7
CIE Flux Codes	80 100 100 100 100
Ra/CRI	>80

LTS

Multi 40 (CDZ 4.62, 1xLED 11W 840/4000K 1140lm 73 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	711	711	711	711
15°	650	650	650	650
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	4.74	90.1
6.0	9.48	22.5
9.0	14.22	10.0
12.0	18.96	5.6
15.0	23.69	3.6

η	LED
Efficiency	104 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.7
UGR C90/C270	17.7
CIE Flux Codes	78 99 100 100 100
Ra/CRI	>80

LTS

CDL 40.1140.02/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)