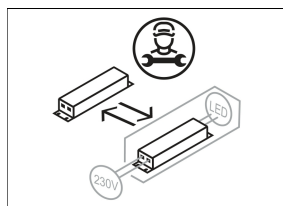
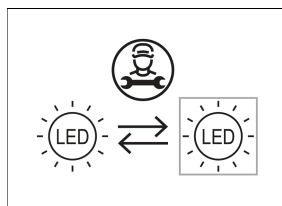
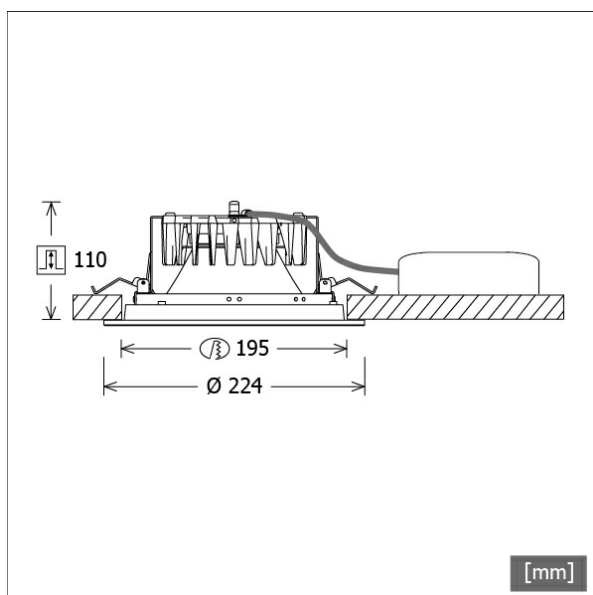


CDL 30.1140.02/DALI



Colours	Article no.	EAN
silver	660084	4043544689030
white	660085	4043544689047



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

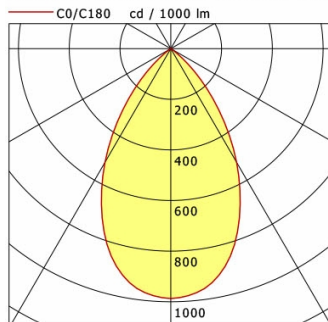
Lamps	LED Modul / CRI 80 / 4000 K
EPREL light sources	891017
Lifetime	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
System power	11.0 W
Luminaire luminous flux	max. 1130 lm
System efficiency	102.72 lm/W
Module efficiency	122.35 lm/W
UGR class	≤22
Beam angle	75°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

Dimensions / Weights

Outer diameter	224 mm
Height	113 mm
Cut-out (Ø)	195 mm
Ceiling thickness	10.0 - 35.0 mm
Recessed depth	110 mm
Net weight	0.96 kg
Gross weight	1.02 kg

CDL 30.1140.02/DALI

Multi 30 (CDL ohne Dekor, 1xLED 11W 840/4000K 1130lm 75 °)



	C0	C90	C180	C270
0°	987	987	987	987
15°	870	870	870	870
30°	519	519	519	519
45°	149	149	149	149
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

cd / 1000 lm

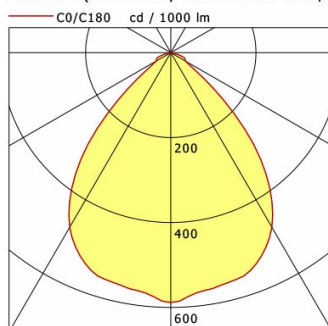
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.60	124.0
6.0	7.19	31.0
9.0	10.79	13.8
12.0	14.38	7.7
15.0	17.98	5.0

C0-C180 Plane

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	16.6
UGR C90/C270	16.6
CIE Flux Codes	89 100 100 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.01, 1xLED 11W 840/4000K 970lm 75 °)



	C0	C90	C180	C270
0°	588	588	588	588
15°	557	557	557	557
30°	475	475	475	475
45°	228	228	228	228
60°	40	40	40	40
75°	17	17	17	17
90°	0	0	0	0

cd / 1000 lm

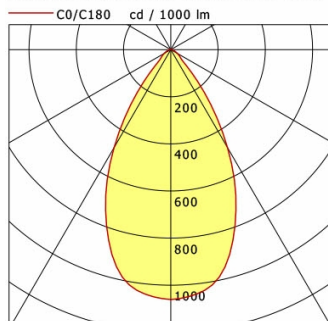
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	5.37	63.4
6.0	10.74	15.9
9.0	16.10	7.0
12.0	21.47	4.0
15.0	26.84	2.5

C0-C180 Plane

η	LED
Efficiency	88 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.1
UGR C90/C270	20.1
CIE Flux Codes	74 94 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.08, 1xLED 11W 840/4000K 1090lm 75 °)



	C0	C90	C180	C270
0°	1061	1061	1061	1061
15°	928	928	928	928
30°	480	480	480	480
45°	83	83	83	83
60°	32	32	32	32
75°	12	12	12	12
90°	1	1	1	1

cd / 1000 lm

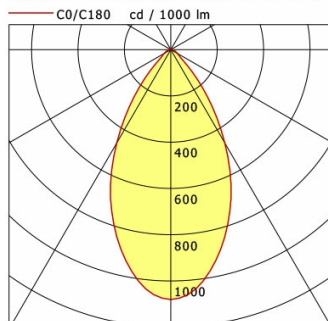
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.26	128.5
6.0	6.52	32.1
9.0	9.78	14.3
12.0	13.03	8.0
15.0	16.29	5.1

C0-C180 Plane

η	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.5
UGR C90/C270	17.5
CIE Flux Codes	86 96 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.35, 1xLED 11W 840/4000K 1100lm 75 °)



	C0	C90	C180	C270
0°	1080	1080	1080	1080
15°	867	867	867	867
30°	466	466	466	466
45°	115	115	115	115
60°	34	34	34	34
75°	15	15	15	15
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.11	132.0
6.0	6.23	33.0
9.0	9.34	14.7
12.0	12.46	8.3
15.0	15.57	5.3

C0-C180 Plane

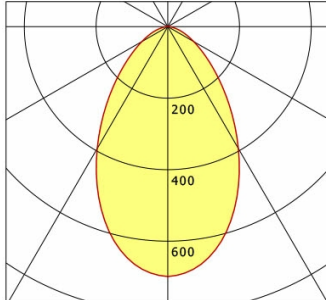
η	LED
Efficiency	100 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.4
UGR C90/C270	18.4
CIE Flux Codes	84 95 99 100 100
Ra/CRI	>80

LTS

CDL 30.1140.02/DALI

Multi 30 (CDZ 3.38, 1xLED 11W 840/4000K 1020lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	699	699	699	699
15°	607	607	607	607
30°	394	394	394	394
45°	196	196	196	196
60°	84	84	84	84
75°	28	28	28	28
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.89	79.2
6.0	7.78	19.8
9.0	11.67	8.8
12.0	15.57	5.0
15.0	19.46	3.2

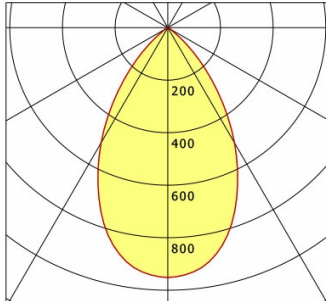
C0-C180 Plane

η	LED
Efficiency	93 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.2
UGR C90/C270	22.2
CIE Flux Codes	67 90 98 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.39, 1xLED 11W 840/4000K 1090lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	952	952	952	952
15°	839	839	839	839
30°	507	507	507	507
45°	154	154	154	154
60°	7	7	7	7
75°	4	4	4	4
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.64	115.3
6.0	7.28	28.8
9.0	10.91	12.8
12.0	14.55	7.2
15.0	18.19	4.6

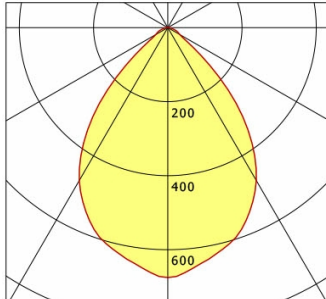
C0-C180 Plane

η	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.8
UGR C90/C270	16.8
CIE Flux Codes	87 99 100 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.60, 1xLED 11W 840/4000K 1080lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	675	675	675	675
15°	611	611	611	611
30°	477	477	477	477
45°	213	213	213	213
60°	38	38	38	38
75°	16	16	16	16
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.81	81.0
6.0	9.63	20.3
9.0	14.44	9.0
12.0	19.25	5.1
15.0	24.06	3.2

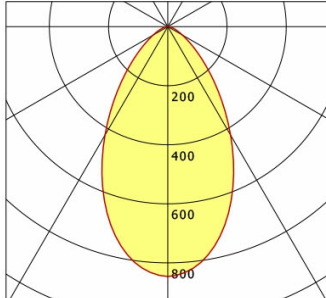
C0-C180 Plane

η	LED
Efficiency	98 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.9
UGR C90/C270	19.9
CIE Flux Codes	76 95 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.61, 1xLED 11W 840/4000K 1090lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	846	846	846	846
15°	715	715	715	715
30°	424	424	424	424
45°	175	175	175	175
60°	57	57	57	57
75°	18	18	18	18
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.47	102.5
6.0	6.94	25.6
9.0	10.41	11.4
12.0	13.89	6.4
15.0	17.36	4.1

C0-C180 Plane

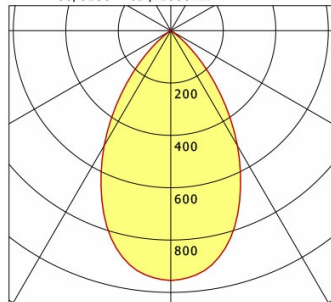
η	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.3
UGR C90/C270	20.3
CIE Flux Codes	75 94 99 100 100
Ra/CRI	>80

LTS

CDL 30.1140.02/DALI

Multi 30 (CDZ 3.62, 1xLED 11W 840/4000K 1110lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	955	955	955	955
15°	841	841	841	841
30°	508	508	508	508
45°	153	153	153	153
60°	7	7	7	7
75°	4	4	4	4
90°	0	0	0	0

cd / 1000 lm

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

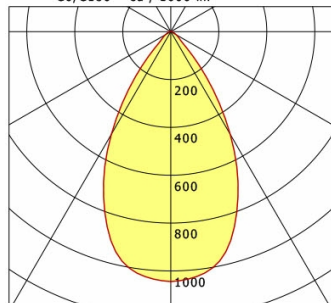
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.63	117.7
6.0	7.27	29.4
9.0	10.90	13.1
12.0	14.54	7.4
15.0	18.17	4.7

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	16.9
UGR C90/C270	16.9
CIE Flux Codes	87 99 100 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.63, 1xLED 11W 840/4000K 1100lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	1044	1044	1044	1044
15°	929	929	929	929
30°	495	495	495	495
45°	84	84	84	84
60°	26	26	26	26
75°	10	10	10	10
90°	1	1	1	1

cd / 1000 lm

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

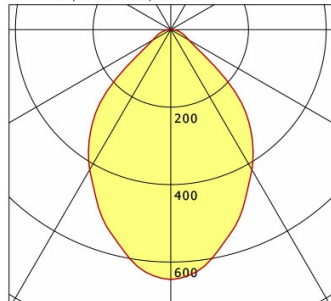
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.35	127.6
6.0	6.71	31.9
9.0	10.06	14.2
12.0	13.41	8.0
15.0	16.76	5.1

η	LED
Efficiency	100 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.9
UGR C90/C270	16.9
CIE Flux Codes	88 97 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.64, 1xLED 11W 840/4000K 1040lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	645	645	645	645
15°	558	558	558	558
30°	418	418	418	418
45°	246	246	246	246
60°	54	54	54	54
75°	26	26	26	26
90°	2	2	2	2

cd / 1000 lm

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

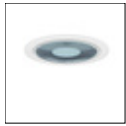
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.89	74.6
6.0	9.78	18.6
9.0	14.67	8.3
12.0	19.56	4.7
15.0	24.45	3.0

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	21.6
UGR C90/C270	21.6
CIE Flux Codes	69 92 98 100 100
Ra/CRI	>80

LTS

CDL 30.1140.02/DALI

Accessories



CDZ 3.01
partly frosted glass pane
(inside)



CDZ 3.08
satinated glass ring
(protruding)



CDZ 3.35
frosted decorative glass ring
(inside)



CDZ 3.38
satinated glass pane
(inside)



CDZ 3.39
clear glass pane
(inside)



CDZ 3.60
partly frosted acrylic glass pane
(inside)



CDZ 3.61
frosted acrylic glass pane
(inside)



CDZ 3.62
clear acrylic glass pane
(inside)



CDZ 3.63
frosted acrylic glass ring
(protruding)



CDZ 3.64
acrylic glass pane frosted in centre
(protruding)



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



ZVP 100
universal reinforcement frame
(module 625 x 625)