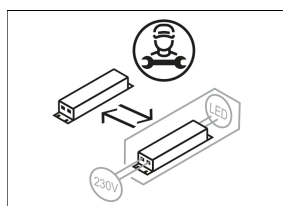
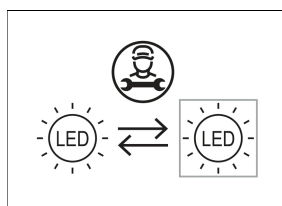
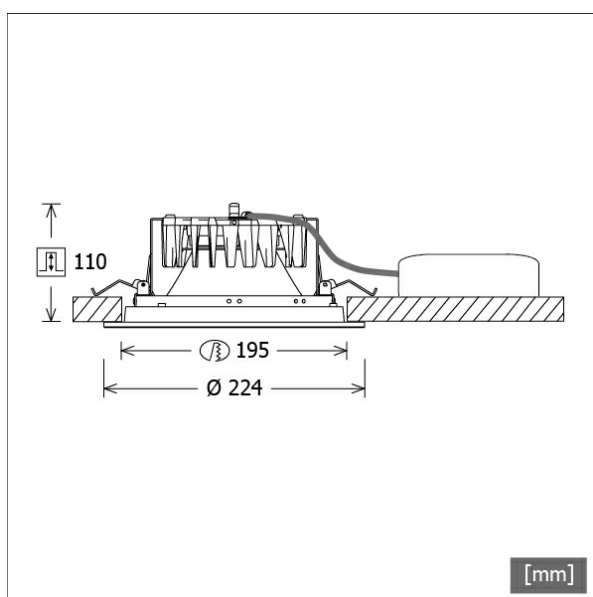


CDL 30.3030.02/DALI



Colours	Article no.	EAN
silver	660096	4043544689153
white	660097	4043544689160



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)

Standard options



Special options



Lighting data / Norms

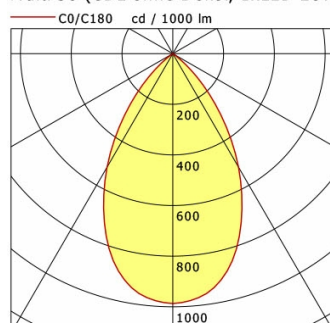
Lamps	LED Modul / CRI 80 / 3000 K
EPREL light sources	891018
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	
System power	28.0 W
Luminaire luminous flux	max. 2970 lm
System efficiency	106.07 lm/W
Module efficiency	119.10 lm/W
UGR class	≤28
Beam angle	75°
Supply voltage	220 - 240 V / 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	0.98 kg
Gross weight	1.04 kg

CDL 30.3030.02/DALI

Multi 30 (CDL ohne Dekor, 1xLED 28W 830/3000K 2970lm 75 °)



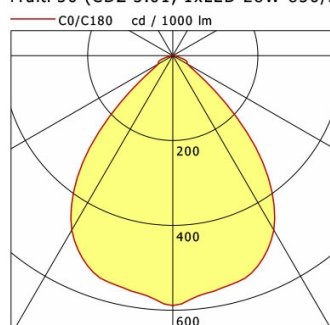
	C0	C90	C180	C270
0°	987	987	987	987
15°	869	869	869	869
30°	518	518	518	518
45°	150	150	150	150
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.59	325.8
6.0	7.19	81.4
9.0	10.78	36.2
12.0	14.37	20.4
15.0	17.97	13.0

η	LED
Efficiency	106 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.0
UGR C90/C270	20.0
CIE Flux Codes	89 100 100 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.01, 1xLED 28W 830/3000K 2540lm 75 °)



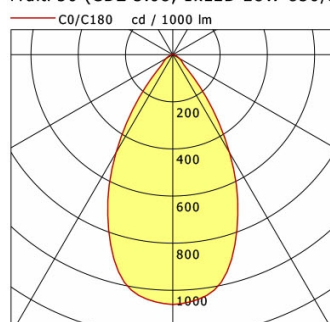
	C0	C90	C180	C270
0°	589	589	589	589
15°	556	556	556	556
30°	475	475	475	475
45°	229	229	229	229
60°	40	40	40	40
75°	17	17	17	17
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	5.37	166.2
6.0	10.74	41.6
9.0	16.11	18.5
12.0	21.49	10.4
15.0	26.86	6.6

η	LED
Efficiency	91 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.5
UGR C90/C270	23.5
CIE Flux Codes	73 94 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.08, 1xLED 28W 830/3000K 2850lm 75 °)



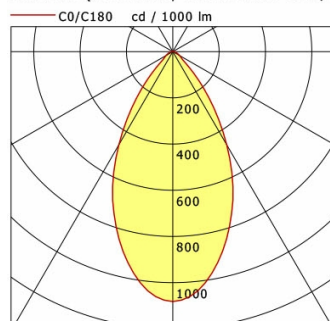
	C0	C90	C180	C270
0°	1061	1061	1061	1061
15°	927	927	927	927
30°	480	480	480	480
45°	84	84	84	84
60°	32	32	32	32
75°	12	12	12	12
90°	1	1	1	1

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.26	335.8
6.0	6.52	84.0
9.0	9.77	37.3
12.0	13.03	21.0
15.0	16.29	13.4

η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.8
UGR C90/C270	20.8
CIE Flux Codes	86 96 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.35, 1xLED 28W 830/3000K 2880lm 75 °)



	C0	C90	C180	C270
0°	1082	1082	1082	1082
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

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.11	346.2
6.0	6.22	86.5
9.0	9.33	38.5
12.0	12.44	21.6
15.0	15.55	13.8

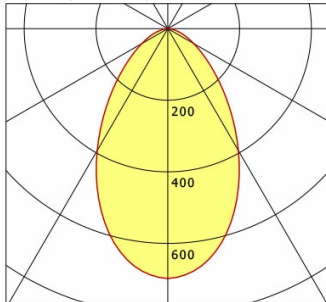
η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.7
UGR C90/C270	21.7
CIE Flux Codes	84 95 99 100 100
Ra/CRI	>80

LTS

CDL 30.3030.02/DALI

Multi 30 (CDZ 3.38, 1xLED 28W 830/3000K 2640lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	698	698	698	698
15°	606	606	606	606
30°	393	393	393	393
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	204.8
6.0	7.79	51.2
9.0	11.68	22.8
12.0	15.57	12.8
15.0	19.46	8.2

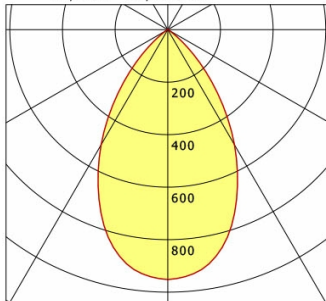
C0-C180 Plane

η	LED
Efficiency	94 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.5
UGR C90/C270	25.5
CIE Flux Codes	67 90 98 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.39, 1xLED 28W 830/3000K 2850lm 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°	155	155	155	155
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	301.4
6.0	7.28	75.4
9.0	10.91	33.5
12.0	14.55	18.8
15.0	18.19	12.1

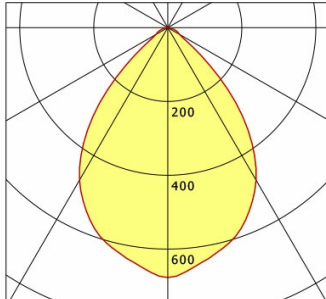
C0-C180 Plane

η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.2
UGR C90/C270	20.2
CIE Flux Codes	87 99 100 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.60, 1xLED 28W 830/3000K 2820lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	677	677	677	677
15°	611	611	611	611
30°	477	477	477	477
45°	214	214	214	214
60°	37	37	37	37
75°	15	15	15	15
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.81	212.2
6.0	9.62	53.0
9.0	14.44	23.6
12.0	19.25	13.3
15.0	24.06	8.5

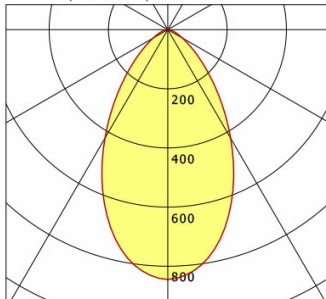
C0-C180 Plane

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	23.2
UGR C90/C270	23.2
CIE Flux Codes	76 95 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.61, 1xLED 28W 830/3000K 2850lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	845	845	845	845
15°	714	714	714	714
30°	424	424	424	424
45°	175	175	175	175
60°	57	57	57	57
75°	18	18	18	18
90°	1	1	1	1

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.47	267.6
6.0	6.95	66.9
9.0	10.42	29.7
12.0	13.89	16.7
15.0	17.37	10.7

C0-C180 Plane

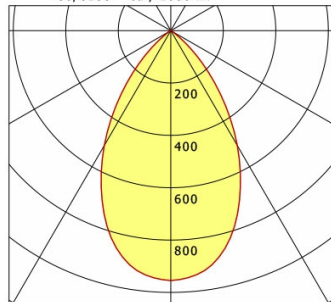
η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.7
UGR C90/C270	23.7
CIE Flux Codes	75 94 99 100 100
Ra/CRI	>80

LTS

CDL 30.3030.02/DALI

Multi 30 (CDZ 3.62, 1xLED 28W 830/3000K 2910lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	955	955	955	955
15°	840	840	840	840
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]

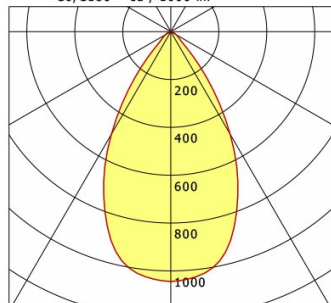
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.63	308.7
6.0	7.26	77.2
9.0	10.89	34.3
12.0	14.52	19.3
15.0	18.15	12.3

η	LED
Efficiency	104 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.2
UGR C90/C270	20.2
CIE Flux Codes	87 99 100 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.63, 1xLED 28W 830/3000K 2880lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	1045	1045	1045	1045
15°	928	928	928	928
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]

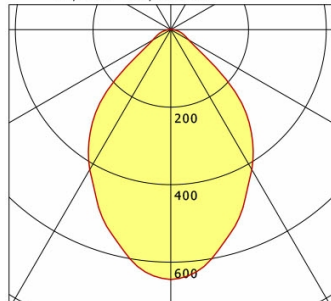
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.35	334.2
6.0	6.70	83.6
9.0	10.06	37.1
12.0	13.41	20.9
15.0	16.76	13.4

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	20.3
UGR C90/C270	20.3
CIE Flux Codes	88 97 99 100 100
Ra/CRI	>80

LTS

Multi 30 (CDZ 3.64, 1xLED 28W 830/3000K 2720lm 75 °)

— C0/C180 cd / 1000 lm



	C0	C90	C180	C270
0°	645	645	645	645
15°	557	557	557	557
30°	417	417	417	417
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]

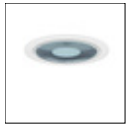
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.90	194.9
6.0	9.81	48.7
9.0	14.71	21.7
12.0	19.61	12.2
15.0	24.51	7.8

η	LED
Efficiency	97 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.9
UGR C90/C270	24.9
CIE Flux Codes	69 92 98 100 100
Ra/CRI	>80

LTS

CDL 30.3030.02/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)