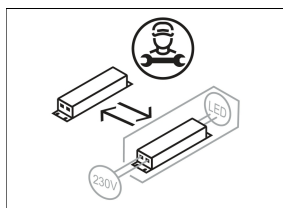
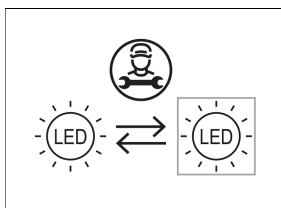
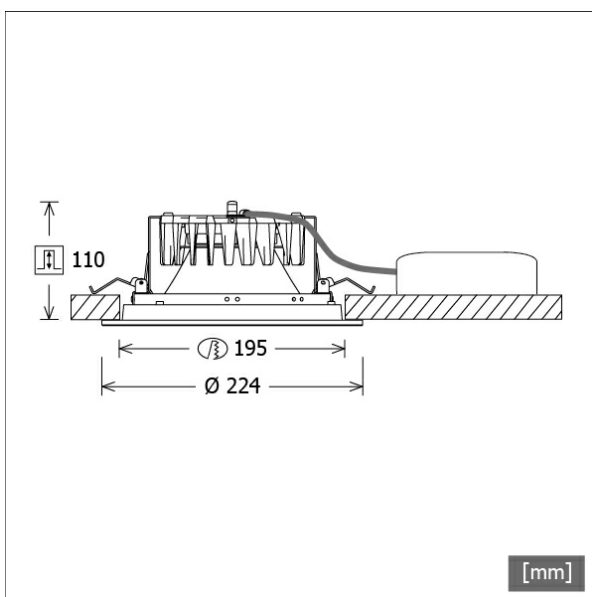


CDL 30.3030.02



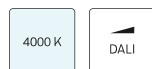
Farbe	Artikelnummer	EAN
silber	660094	4043544689139
weiß	660095	4043544689146



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) inklusive (Platzierung extern)

Standardoptionen



Sonderoptionen



Lichttechnik / Normen

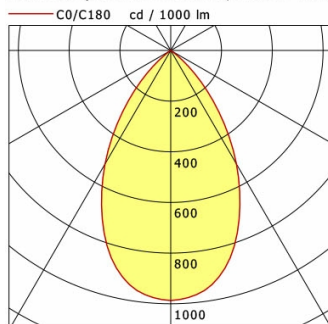
Leuchtmittel	LED Modul / CRI 80 / 3000 K
EPREL Lichtquellen	891018
Lebensdauer	L90 B50 50.000 h L80 B50 100.000 h L80 B20 50.000 h
Systemleistung	28.0 W
Leuchten-Lichtstrom	max. 2970 lm
Systemeffizienz	106.07 lm/W
Moduleffizienz	119.10 lm/W
UGR Klasse	≤28
Abstrahlwinkel	75°
Versorgungsspannung	220 - 240 V / 50 - 60 Hz
Schutzklasse	III
Schutzart	IP20

Abmessungen / Gewichte

Außendurchmesser	224 mm
Höhe	113 mm
Ausschnittsmaß (Ø)	195 mm
Deckenstärke	10.0 - 35.0 mm
Einbautiefe	110 mm
Nettogewicht	0.97 kg
Bruttogewicht	1.02 kg

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



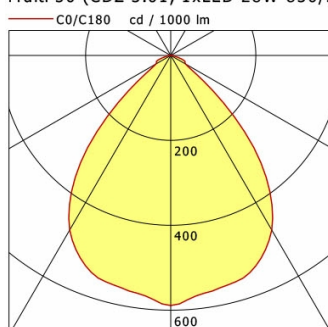
	C0	C90	C180	C270
0°	987	987	987	987
15°	869	869	869	869
30°	518	518	518	518
45°	150	150	150	150
60°	0	0	0	0
75°	0	0	0	0
90°	0	0	0	0

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 °)



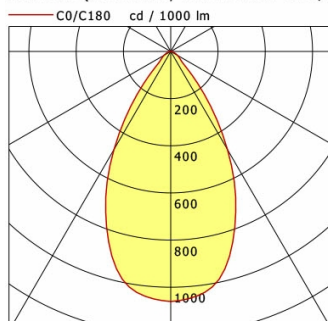
	C0	C90	C180	C270
0°	589	589	589	589
15°	556	556	556	556
30°	475	475	475	475
45°	229	229	229	229
60°	40	40	40	40
75°	17	17	17	17
90°	0	0	0	0

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 °)



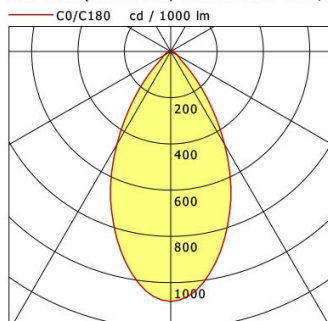
	C0	C90	C180	C270
0°	1061	1061	1061	1061
15°	927	927	927	927
30°	480	480	480	480
45°	84	84	84	84
60°	32	32	32	32
75°	12	12	12	12
90°	1	1	1	1

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

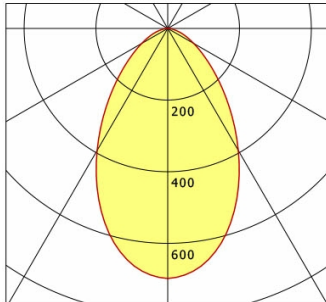
η	LED
Efficiency	103 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.7
UGR C90/C270	21.7
CIE Flux Codes	84 95 99 100 100
Ra/CRI	>80

LTS

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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]

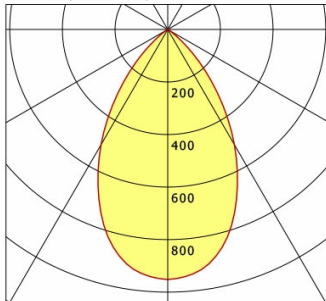
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.89	204.8
6.0	7.79	51.2
9.0	11.68	22.8
12.0	15.57	12.8
15.0	19.46	8.2

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]

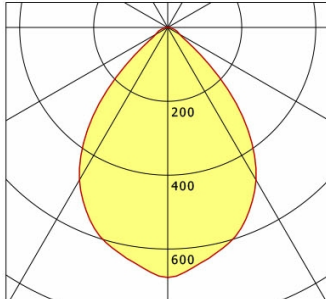
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.64	301.4
6.0	7.28	75.4
9.0	10.91	33.5
12.0	14.55	18.8
15.0	18.19	12.1

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]

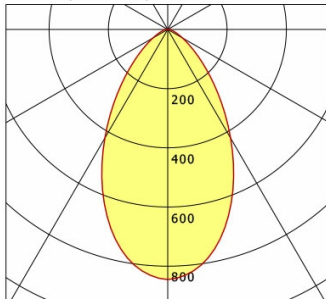
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.81	212.2
6.0	9.62	53.0
9.0	14.44	23.6
12.0	19.25	13.3
15.0	24.06	8.5

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]

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

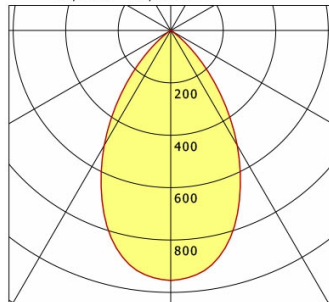
η	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.7
UGR C90/C270	23.7
CIE Flux Codes	75 94 99 100 100
Ra/CRI	>80

LTS

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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]

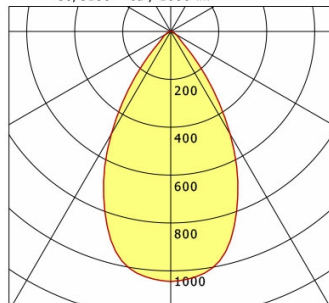
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.63	308.7
6.0	7.26	77.2
9.0	10.89	34.3
12.0	14.52	19.3
15.0	18.15	12.3

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]

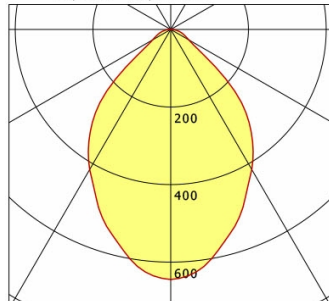
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.35	334.2
6.0	6.70	83.6
9.0	10.06	37.1
12.0	13.41	20.9
15.0	16.76	13.4

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

Zubehör



CDZ 3.01
Glasscheibe teilmattiert
(innenliegend)



CDZ 3.08
Glasring satiniert
(vorgesetzt)



CDZ 3.35
Dekoglasring mattiert
(innenliegend)



CDZ 3.38
Glasscheibe satiniert
(innenliegend)



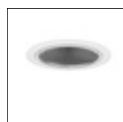
CDZ 3.39
Glasscheibe klar
(innenliegend)



CDZ 3.60
Acrylglasscheibe teilmattiert
(innenliegend)



CDZ 3.61
Acrylglasscheibe mattiert
(innenliegend)



CDZ 3.62
Acrylglasscheibe klar
(innenliegend)



CDZ 3.63
Acrylgasring mattiert
(vorgesetzt)



CDZ 3.64
Acrylglasscheibe innen mattiert
(vorgesetzt)



NOL 50B/3H/DALI
LED-Notlichteinheit



ZVP 100
Universalverstärkungsrahmen
(Modul 625 x 625)