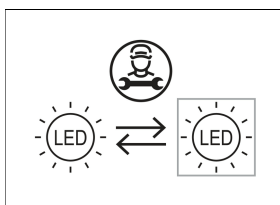
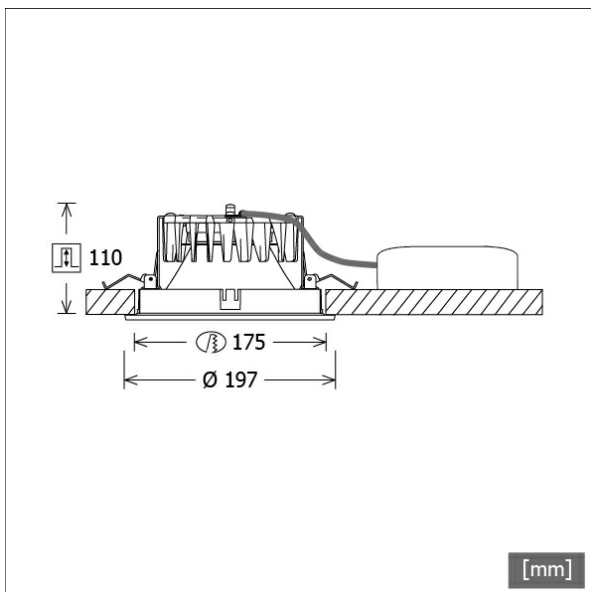


ECL 30.3030.02



Colours	Article no.	EAN
	660207	4043544690258



Description

- recessed downlight for general lighting
- basic luminaire without flange (flange with bayonet catch to be ordered separately)
- 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
- recessed ring made from black 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) included (external placement)

Notes

concrete casting surround available on demand.

Standard options



Special options



Lighting data / Norms

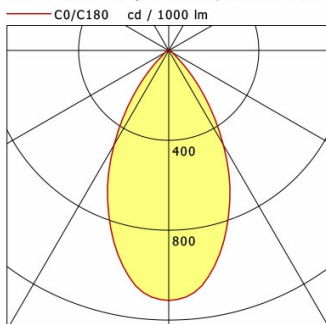
Lamps	LED Modul / CRI 80 / 3000 K
EPREL light sources	891018
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	28.0 W
System power	max. 2970 lm
Luminaire luminous flux	100.00 lm/W
System efficiency	119.10 lm/W
Module efficiency	≤25
UGR class	75°
Beam angle	220 - 240 V / 50 - 60 Hz
Supply voltage	III
Protection class	IP20
Type of protection	

Dimensions / Weights

Outer diameter	197 mm
Height	114 mm
Cut-out (Ø)	175 mm
Ceiling thickness	10.0 - 35.0 mm
Recessed depth	110 mm
Net weight	0.84 kg
Gross weight	0.97 kg

ECL 30.3030.02

Edel+Stahl 30 (ECZ 3.17, 1xLED 28W 830/3000K 2800lm 75 °)



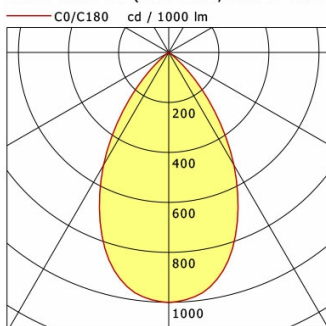
	C0	C90	C180	C270
0°	1113	1113	1113	1113
15°	910	910	910	910
30°	486	486	486	486
45°	106	106	106	106
60°	22	22	22	22
75°	10	10	10	10
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.15	346.2
6.0	6.30	86.6
9.0	9.45	38.5
12.0	12.60	21.6
15.0	15.76	13.8

η	LED
Efficiency	100 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.4
UGR C90/C270	20.4
CIE Flux Codes	87 97 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.01, 1xLED 28W 830/3000K 2970lm 75 °)



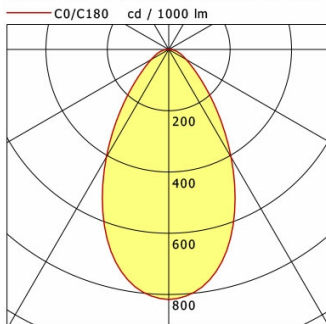
	C0	C90	C180	C270
0°	1001	1001	1001	1001
15°	883	883	883	883
30°	521	521	521	521
45°	128	128	128	128
60°	6	6	6	6
75°	4	4	4	4
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.57	330.3
6.0	7.13	82.6
9.0	10.70	36.7
12.0	14.27	20.6
15.0	17.84	13.2

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	19.8
UGR C90/C270	19.8
CIE Flux Codes	90 99 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.42, 1xLED 28W 830/3000K 2410lm 75 °)



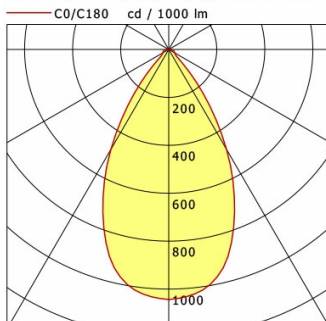
	C0	C90	C180	C270
0°	816	816	816	816
15°	700	700	700	700
30°	406	406	406	406
45°	162	162	162	162
60°	66	66	66	66
75°	30	30	30	30
90°	6	6	6	6

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.45	218.6
6.0	6.90	54.7
9.0	10.36	24.3
12.0	13.81	13.7
15.0	17.26	8.7

η	LED
Efficiency	86 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.8
UGR C90/C270	24.8
CIE Flux Codes	72 90 97 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.41, 1xLED 28W 830/3000K 2660lm 75 °)



	C0	C90	C180	C270
0°	1044	1044	1044	1044
15°	919	919	919	919
30°	481	481	481	481
45°	80	80	80	80
60°	28	28	28	28
75°	22	22	22	22
90°	4	4	4	4

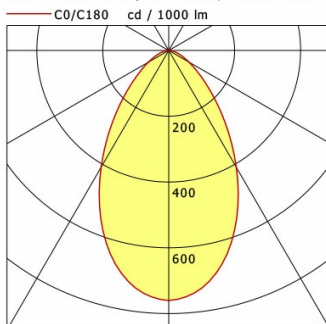
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.29	308.4
6.0	6.59	77.1
9.0	9.88	34.3
12.0	13.18	19.3
15.0	16.47	12.3

η	LED
Efficiency	95 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.4
UGR C90/C270	22.4
CIE Flux Codes	86 94 98 100 100
Ra/CRI	>80

LTS

ECL 30.3030.02

Edel+Stahl 30 (ECZ 3.12, 1xLED 28W 830/3000K 2550lm 75 °)



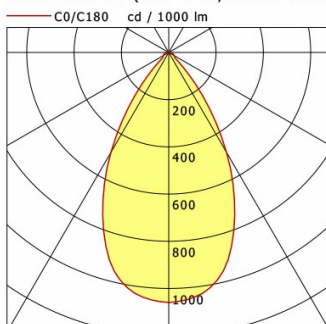
	C0	C90	C180	C270
0°	760	760	760	760
15°	657	657	657	657
30°	410	410	410	410
45°	185	185	185	185
60°	71	71	71	71
75°	23	23	23	23
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.71	215.4
6.0	7.42	53.8
9.0	11.13	23.9
12.0	14.84	13.5
15.0	18.55	8.6

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	24.4
UGR C90/C270	24.4
CIE Flux Codes	71 92 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.40, 1xLED 28W 830/3000K 2850lm 75 °)



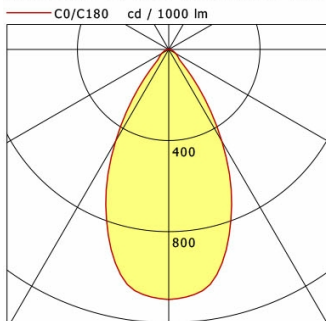
	C0	C90	C180	C270
0°	1059	1059	1059	1059
15°	935	935	935	935
30°	488	488	488	488
45°	75	75	75	75
60°	26	26	26	26
75°	19	19	19	19
90°	4	4	4	4

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.30	335.5
6.0	6.59	83.9
9.0	9.89	37.3
12.0	13.18	21.0
15.0	16.48	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	22.1
UGR C90/C270	22.1
CIE Flux Codes	87 95 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.21, 1xLED 28W 830/3000K 2780lm 75 °)



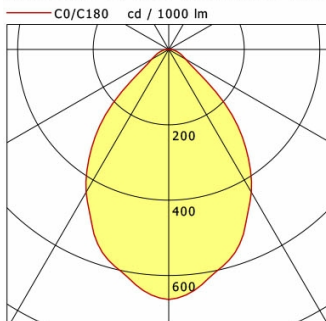
	C0	C90	C180	C270
0°	1098	1098	1098	1098
15°	942	942	942	942
30°	466	466	466	466
45°	76	76	76	76
60°	35	35	35	35
75°	15	15	15	15
90°	2	2	2	2

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.14	339.2
6.0	6.28	84.8
9.0	9.42	37.7
12.0	12.56	21.2
15.0	15.70	13.6

η	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.4
UGR C90/C270	21.4
CIE Flux Codes	86 95 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.20, 1xLED 28W 830/3000K 2610lm 75 °)



	C0	C90	C180	C270
0°	664	664	664	664
15°	587	587	587	587
30°	438	438	438	438
45°	224	224	224	224
60°	52	52	52	52
75°	24	24	24	24
90°	4	4	4	4

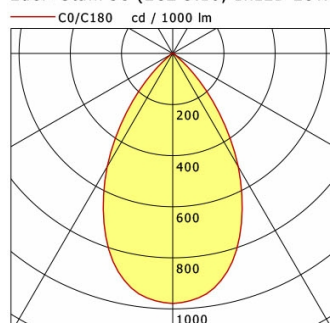
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.69	192.5
6.0	9.37	48.1
9.0	14.06	21.4
12.0	18.74	12.0
15.0	23.43	7.7

η	LED
Efficiency	93 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.4
UGR C90/C270	24.4
CIE Flux Codes	71 92 98 100 100
Ra/CRI	>80

LTS

ECL 30.3030.02

Edel+Stahl 30 (ECZ 3.10, 1xLED 28W 830/3000K 2790lm 75 °)



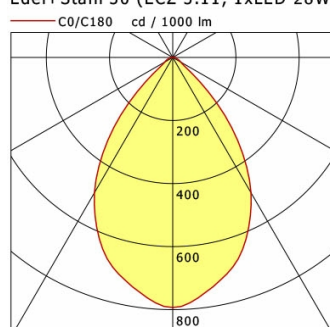
	C0	C90	C180	C270
0°	979	979	979	979
15°	864	864	864	864
30°	512	512	512	512
45°	132	132	132	132
60°	10	10	10	10
75°	8	8	8	8
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.58	303.4
6.0	7.16	75.9
9.0	10.74	33.7
12.0	14.32	19.0
15.0	17.90	12.1

η	LED
Efficiency	100 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	88 98 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.11, 1xLED 28W 830/3000K 2690lm 75 °)



	C0	C90	C180	C270
0°	793	793	793	793
15°	700	700	700	700
30°	496	496	496	496
45°	177	177	177	177
60°	29	29	29	29
75°	13	13	13	13
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.21	237.1
6.0	8.42	59.3
9.0	12.63	26.3
12.0	16.84	14.8
15.0	21.04	9.5

η	LED
Efficiency	96 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.1
UGR C90/C270	22.1
CIE Flux Codes	81 96 99 100 100
Ra/CRI	>80

LTS

ECL 30.3030.02

Accessories



ECZ 3.01
flange without glass



ECZ 3.10
flange with clear glass pane
(inside)



ECZ 3.11
flange with partially frosted glass pane
(inside)



ECZ 3.12
flange with frosted glass pane
(inside)



ECZ 3.17
flange with frosted decorative glass ring
(inside)



ECZ 3.20
flange with partially satinized glass pane
(protruding)



ECZ 3.21
flange with satinized glass ring
(protruding)



ECZ 3.40
light effect ring without glass



ECZ 3.41
light effect ring with clear glass pane
(inside)



ECZ 3.42
light effect ring with frosted glass pane
(inside)



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



ZDAR 175.215-275
compensation ring for ceiling cut-outs from 215 to
275 mm



ZVP 100
universal reinforcement frame
(module 625 x 625)