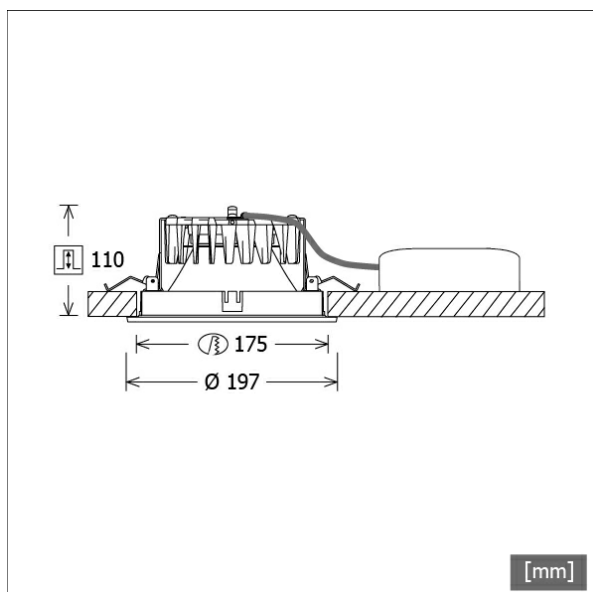


ECL 30.2030.02



Colours	Article no.	EAN
	660203	4043544690210



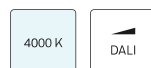
Description

- 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

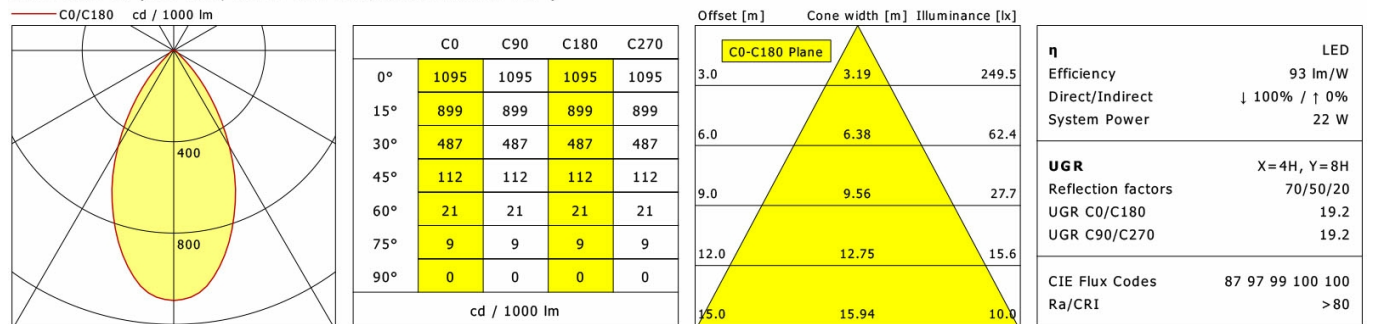
Lamps	LED Modul / CRI 80 / 3000 K
EPREL light sources	891015
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	22.0 W
System power	max. 2160 lm
Luminaire luminous flux	93.18 lm/W
System efficiency	116.61 lm/W
Module efficiency	≤25
UGR class	75°
Beam angle	220 - 240 V / 50 - 60 Hz
Supply 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

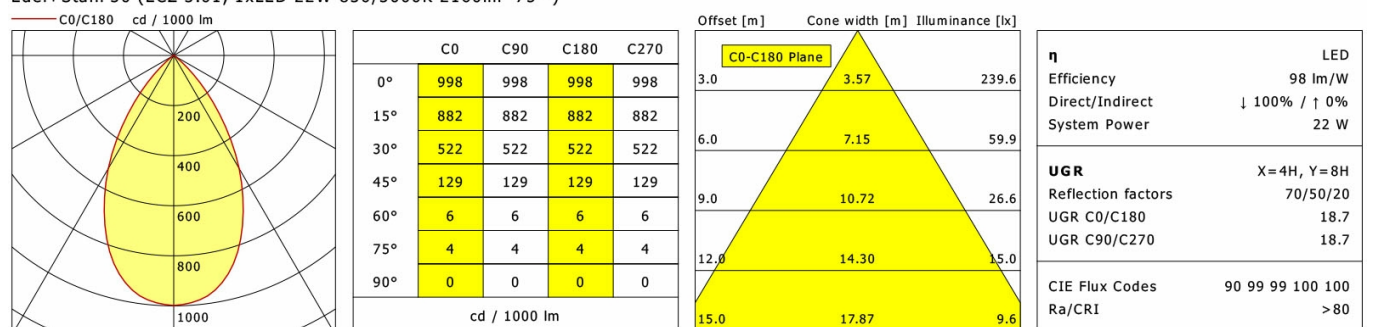
ECL 30.2030.02

Edel+Stahl 30 (ECZ 3.17, 1xLED 22W 830/3000K 2050lm 75 °)



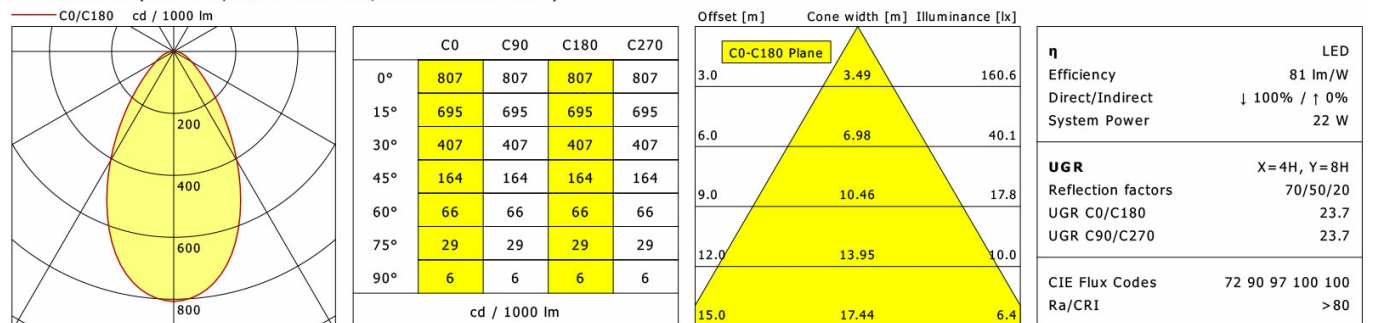
LTS

Edel+Stahl 30 (ECZ 3.01, 1xLED 22W 830/3000K 2160lm 75 °)



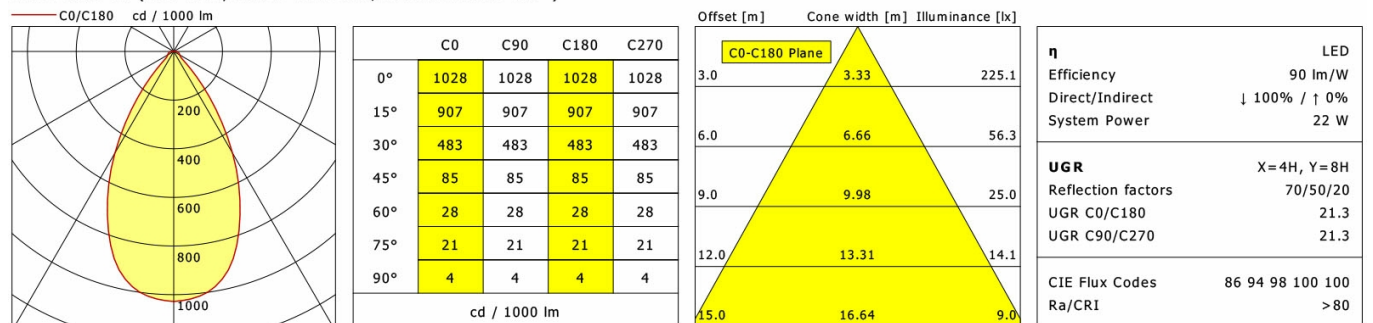
LTS

Edel+Stahl 30 (ECZ 3.42, 1xLED 22W 830/3000K 1790lm 75 °)



LTS

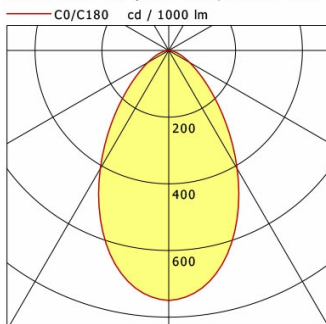
Edel+Stahl 30 (ECZ 3.41, 1xLED 22W 830/3000K 1970lm 75 °)



LTS

ECL 30.2030.02

Edel+Stahl 30 (ECZ 3.12, 1xLED 22W 830/3000K 1890lm 75 °)



	C0	C90	C180	C270
0°	750	750	750	750
15°	649	649	649	649
30°	410	410	410	410
45°	187	187	187	187
60°	72	72	72	72
75°	23	23	23	23
90°	0	0	0	0

cd / 1000 lm

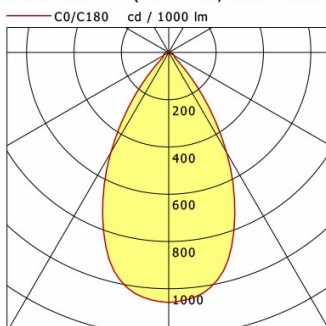
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.75	157.5
6.0	7.51	39.4
9.0	11.26	17.5
12.0	15.01	9.8
15.0	18.77	6.3

C0-C180 Plane

η	LED
Efficiency	86 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.4
UGR C90/C270	23.4
CIE Flux Codes	70 92 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.40, 1xLED 22W 830/3000K 2080lm 75 °)



	C0	C90	C180	C270
0°	1058	1058	1058	1058
15°	934	934	934	934
30°	489	489	489	489
45°	75	75	75	75
60°	26	26	26	26
75°	18	18	18	18
90°	4	4	4	4

cd / 1000 lm

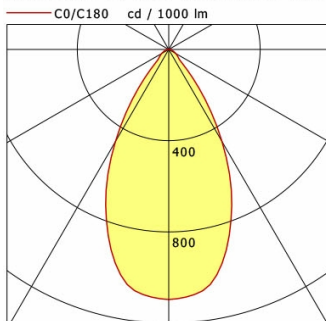
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.30	244.6
6.0	6.60	61.1
9.0	9.90	27.2
12.0	13.20	15.3
15.0	16.50	9.8

C0-C180 Plane

η	LED
Efficiency	95 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.9
UGR C90/C270	20.9
CIE Flux Codes	87 95 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.21, 1xLED 22W 830/3000K 2030lm 75 °)



	C0	C90	C180	C270
0°	1096	1096	1096	1096
15°	941	941	941	941
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

cd / 1000 lm

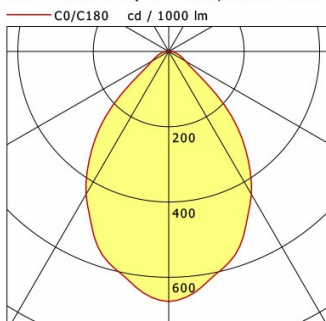
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.14	247.3
6.0	6.29	61.8
9.0	9.43	27.5
12.0	12.58	15.5
15.0	15.72	9.9

C0-C180 Plane

η	LED
Efficiency	92 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.2
UGR C90/C270	20.2
CIE Flux Codes	86 95 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.20, 1xLED 22W 830/3000K 1900lm 75 °)



	C0	C90	C180	C270
0°	664	664	664	664
15°	589	589	589	589
30°	438	438	438	438
45°	224	224	224	224
60°	52	52	52	52
75°	23	23	23	23
90°	3	3	3	3

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.68	140.3
6.0	9.35	35.1
9.0	14.03	15.6
12.0	18.71	8.8
15.0	23.39	5.6

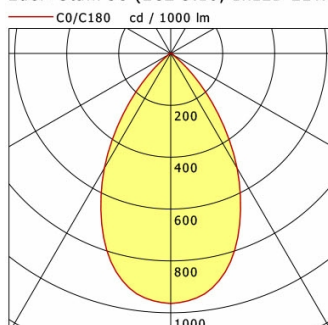
C0-C180 Plane

η	LED
Efficiency	86 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	23.2
UGR C90/C270	23.2
CIE Flux Codes	72 92 98 100 100
Ra/CRI	>80

LTS

ECL 30.2030.02

Edel+Stahl 30 (ECZ 3.10, 1xLED 22W 830/3000K 2060lm 75 °)



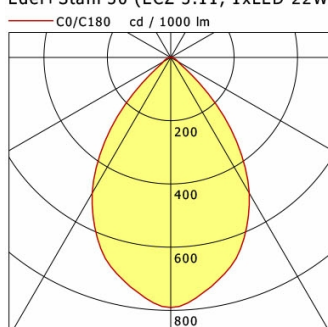
	C0	C90	C180	C270
0°	964	964	964	964
15°	852	852	852	852
30°	511	511	511	511
45°	139	139	139	139
60°	10	10	10	10
75°	8	8	8	8
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.62	220.7
6.0	7.23	55.2
9.0	10.85	24.5
12.0	14.47	13.8
15.0	18.08	8.8

η	LED
Efficiency	94 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.2
UGR C90/C270	19.2
CIE Flux Codes	87 98 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.11, 1xLED 22W 830/3000K 2010lm 75 °)



	C0	C90	C180	C270
0°	791	791	791	791
15°	696	696	696	696
30°	496	496	496	496
45°	185	185	185	185
60°	27	27	27	27
75°	12	12	12	12
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.24	176.6
6.0	8.48	44.2
9.0	12.71	19.6
12.0	16.95	11.0
15.0	21.19	7.1

η	LED
Efficiency	91 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.9
UGR C90/C270	20.9
CIE Flux Codes	81 96 99 100 100
Ra/CRI	>80

LTS

ECL 30.2030.02

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 satinated glass pane
(protruding)



ECZ 3.21
flange with satinated 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)