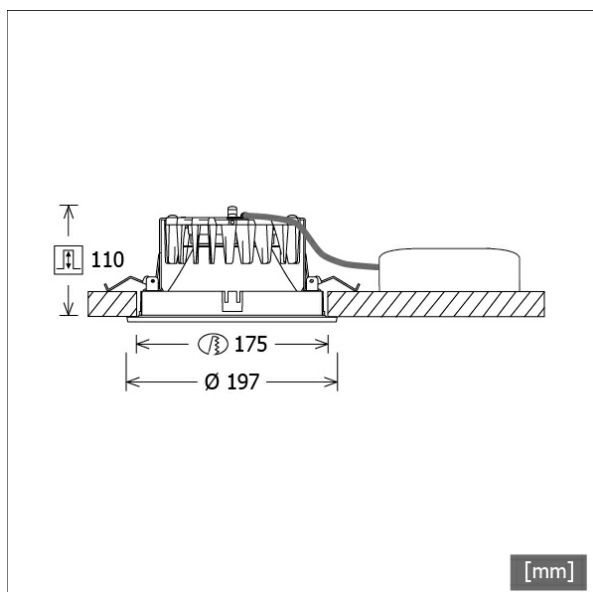


ECL 30.1130.02/DALI



Colours	Article no.	EAN
	660200	4043544690180



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 DALI, dimmable) included (external placement)

Notes

concrete casting surround available on demand.

Standard options



Special options



Lighting data / Norms

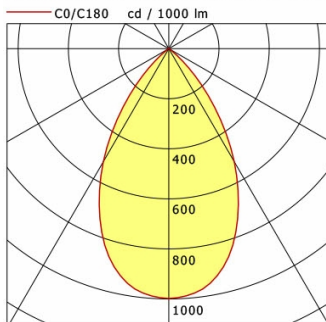
Lamps	LED Modul / CRI 80 / 3000 K
EPREL light sources	891015
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	11.0 W
System power	max. 1060 lm
Luminaire luminous flux	96.36 lm/W
System efficiency	116.61 lm/W
Module efficiency	≤22
UGR class	75°
Beam angle	220 - 240 V / 50 - 60 Hz
Supply 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	0.86 kg
Gross weight	0.99 kg

ECL 30.1130.02/DALI

Edel+Stahl 30 (ECZ 3.01, 1xLED 11W 830/3000K 1060lm 75 °)



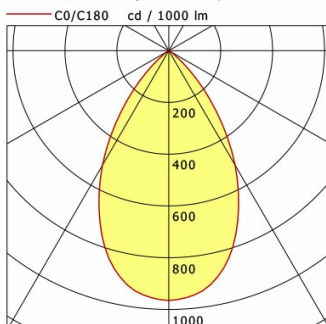
	C0	C90	C180	C270
0°	998	998	998	998
15°	883	883	883	883
30°	522	522	522	522
45°	129	129	129	129
60°	6	6	6	6
75°	4	4	4	4
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.58	117.6
6.0	7.15	29.4
9.0	10.73	13.1
12.0	14.31	7.3
15.0	17.88	4.7

η	LED
Efficiency	96 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.2
UGR C90/C270	16.2
CIE Flux Codes	90 99 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.10, 1xLED 11W 830/3000K 1020lm 75 °)



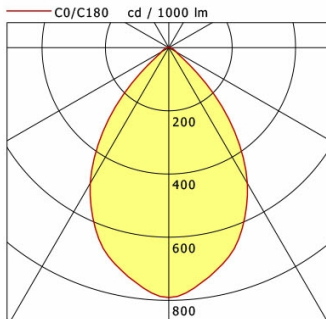
	C0	C90	C180	C270
0°	966	966	966	966
15°	853	853	853	853
30°	511	511	511	511
45°	138	138	138	138
60°	10	10	10	10
75°	8	8	8	8
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.61	109.4
6.0	7.23	27.4
9.0	10.84	12.2
12.0	14.46	6.8
15.0	18.07	4.4

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	16.7
UGR C90/C270	16.7
CIE Flux Codes	88 98 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.11, 1xLED 11W 830/3000K 990lm 75 °)



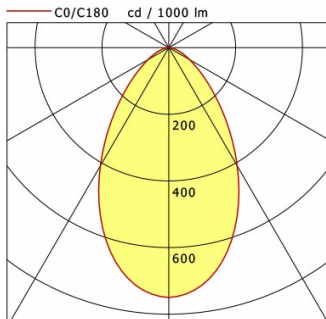
	C0	C90	C180	C270
0°	791	791	791	791
15°	697	697	697	697
30°	496	496	496	496
45°	184	184	184	184
60°	27	27	27	27
75°	12	12	12	12
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.24	87.0
6.0	8.47	21.8
9.0	12.71	9.7
12.0	16.95	5.4
15.0	21.19	3.5

η	LED
Efficiency	90 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.5
UGR C90/C270	18.5
CIE Flux Codes	81 96 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.12, 1xLED 11W 830/3000K 940lm 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

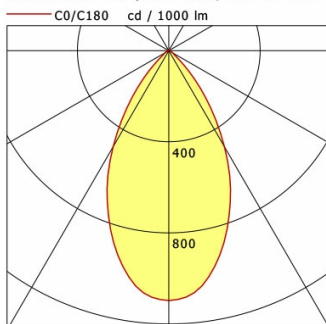
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.75	78.3
6.0	7.51	19.6
9.0	11.26	8.7
12.0	15.02	4.9
15.0	18.77	3.1

η	LED
Efficiency	85 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.0
UGR C90/C270	21.0
CIE Flux Codes	70 92 98 100 100
Ra/CRI	>80

LTS

ECL 30.1130.02/DALI

Edel+Stahl 30 (ECZ 3.17, 1xLED 11W 830/3000K 1020lm 75 °)



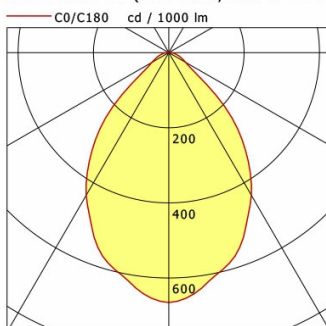
	C0	C90	C180	C270
0°	1097	1097	1097	1097
15°	901	901	901	901
30°	487	487	487	487
45°	112	112	112	112
60°	21	21	21	21
75°	9	9	9	9
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.19	124.3
6.0	6.37	31.1
9.0	9.56	13.8
12.0	12.74	7.8
15.0	15.93	5.0

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	16.8
UGR C90/C270	16.8
CIE Flux Codes	87 97 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.20, 1xLED 11W 830/3000K 940lm 75 °)



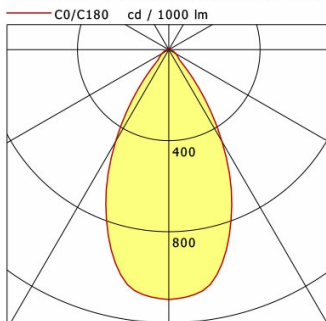
	C0	C90	C180	C270
0°	665	665	665	665
15°	589	589	589	589
30°	439	439	439	439
45°	224	224	224	224
60°	52	52	52	52
75°	23	23	23	23
90°	3	3	3	3

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.67	69.5
6.0	9.34	17.4
9.0	14.02	7.7
12.0	18.69	4.3
15.0	23.36	2.8

η	LED
Efficiency	85 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.8
UGR C90/C270	20.8
CIE Flux Codes	72 92 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.21, 1xLED 11W 830/3000K 1010lm 75 °)



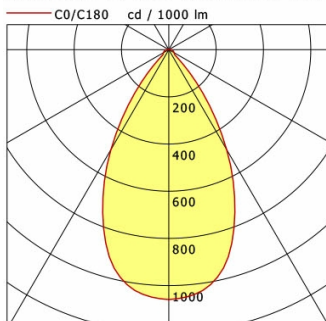
	C0	C90	C180	C270
0°	1098	1098	1098	1098
15°	942	942	942	942
30°	466	466	466	466
45°	76	76	76	76
60°	35	35	35	35
75°	15	15	15	15
90°	2	2	2	2

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.14	123.2
6.0	6.28	30.8
9.0	9.42	13.7
12.0	12.57	7.7
15.0	15.71	4.9

η	LED
Efficiency	92 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.8
UGR C90/C270	17.8
CIE Flux Codes	86 95 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.40, 1xLED 11W 830/3000K 1030lm 75 °)



	C0	C90	C180	C270
0°	1059	1059	1059	1059
15°	935	935	935	935
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

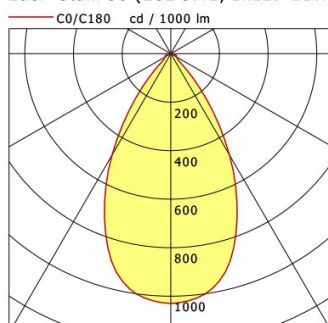
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.30	121.2
6.0	6.60	30.3
9.0	9.89	13.5
12.0	13.19	7.6
15.0	16.49	4.8

η	LED
Efficiency	94 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.5
UGR C90/C270	18.5
CIE Flux Codes	87 95 98 100 100
Ra/CRI	>80

LTS

ECL 30.1130.02/DALI

Edel+Stahl 30 (ECZ 3.41, 1xLED 11W 830/3000K 980lm 75 °)



	C0	C90	C180	C270
0°	1030	1030	1030	1030
15°	909	909	909	909
30°	483	483	483	483
45°	85	85	85	85
60°	28	28	28	28
75°	21	21	21	21
90°	4	4	4	4

cd / 1000 lm

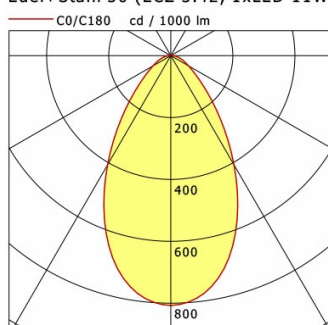
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.33	112.2
6.0	6.65	28.0
9.0	9.98	12.5
12.0	13.30	7.0
15.0	16.63	4.5

C0-C180 Plane

η	LED
Efficiency	89 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.8
UGR C90/C270	18.8
CIE Flux Codes	86 94 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.42, 1xLED 11W 830/3000K 890lm 75 °)



	C0	C90	C180	C270
0°	808	808	808	808
15°	695	695	695	695
30°	407	407	407	407
45°	164	164	164	164
60°	66	66	66	66
75°	29	29	29	29
90°	6	6	6	6

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.49	79.9
6.0	6.98	20.0
9.0	10.46	8.9
12.0	13.95	5.0
15.0	17.44	3.2

C0-C180 Plane

η	LED
Efficiency	81 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
UGR	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.3
UGR C90/C270	21.3
CIE Flux Codes	72 90 97 100 100
Ra/CRI	>80

LTS

ECL 30.1130.02/DALI

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)