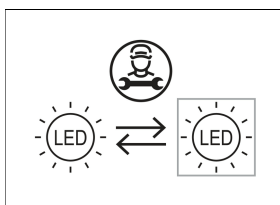
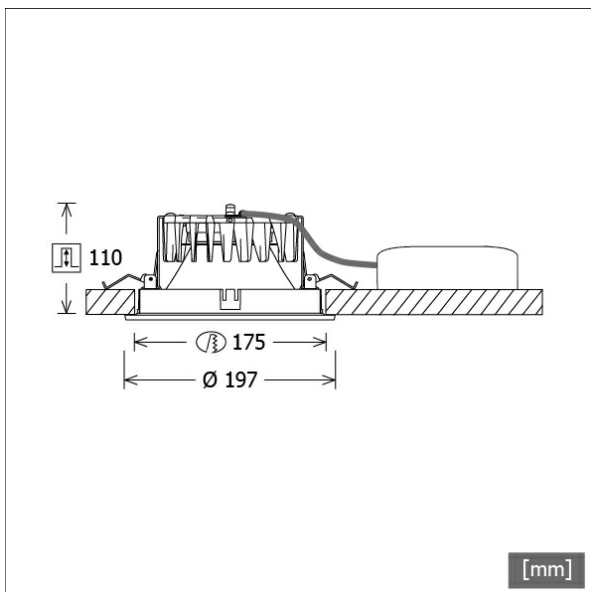


# ECL 30.1140.02



Colours	Article no.	EAN
	660201	4043544690197



## 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

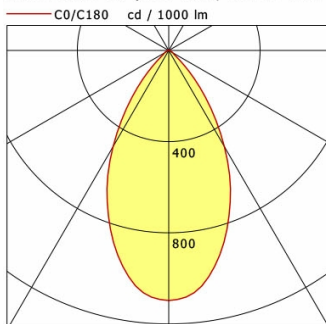
Lamps	LED Modul / CRI 80 / 4000 K
EPREL light sources	891017
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	11.0 W
System power	max. 1120 lm
Luminaire luminous flux	97.27 lm/W
System efficiency	122.35 lm/W
Module efficiency	≤22
UGR class	75°
Beam angle	220 - 240 V / 50 - 60 Hz
Supply 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	0.84 kg
Gross weight	0.95 kg

# ECL 30.1140.02

Edel+Stahl 30 (ECZ 3.17, 1xLED 11W 840/4000K 1070lm 75 °)



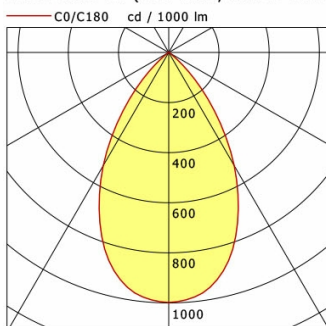
	C0	C90	C180	C270
0°	1097	1097	1097	1097
15°	901	901	901	901
30°	487	487	487	487
45°	112	112	112	112
60°	21	21	21	21
75°	9	9	9	9
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.19	130.4
6.0	6.37	32.6
9.0	9.56	14.5
12.0	12.74	8.2
15.0	15.93	5.2

<b>η</b>	LED
Efficiency	97 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	17.0
UGR C90/C270	17.0
CIE Flux Codes	87 97 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.01, 1xLED 11W 840/4000K 1120lm 75 °)



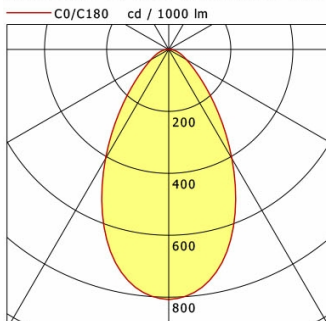
	C0	C90	C180	C270
0°	998	998	998	998
15°	883	883	883	883
30°	522	522	522	522
45°	129	129	129	129
60°	6	6	6	6
75°	4	4	4	4
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.58	124.2
6.0	7.15	31.1
9.0	10.73	13.8
12.0	14.31	7.8
15.0	17.88	5.0

<b>η</b>	LED
Efficiency	102 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.4
UGR C90/C270	16.4
CIE Flux Codes	90 99 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.42, 1xLED 11W 840/4000K 940lm 75 °)



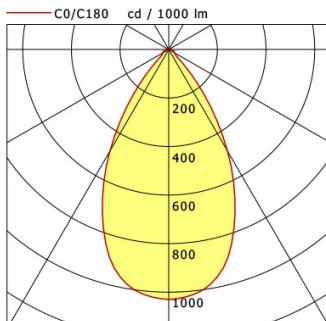
	C0	C90	C180	C270
0°	808	808	808	808
15°	695	695	695	695
30°	407	407	407	407
45°	164	164	164	164
60°	66	66	66	66
75°	29	29	29	29
90°	6	6	6	6

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.49	84.3
6.0	6.98	21.1
9.0	10.46	9.4
12.0	13.95	5.3
15.0	17.44	3.4

<b>η</b>	LED
Efficiency	86 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.5
UGR C90/C270	21.5
CIE Flux Codes	72 90 97 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.41, 1xLED 11W 840/4000K 1030lm 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

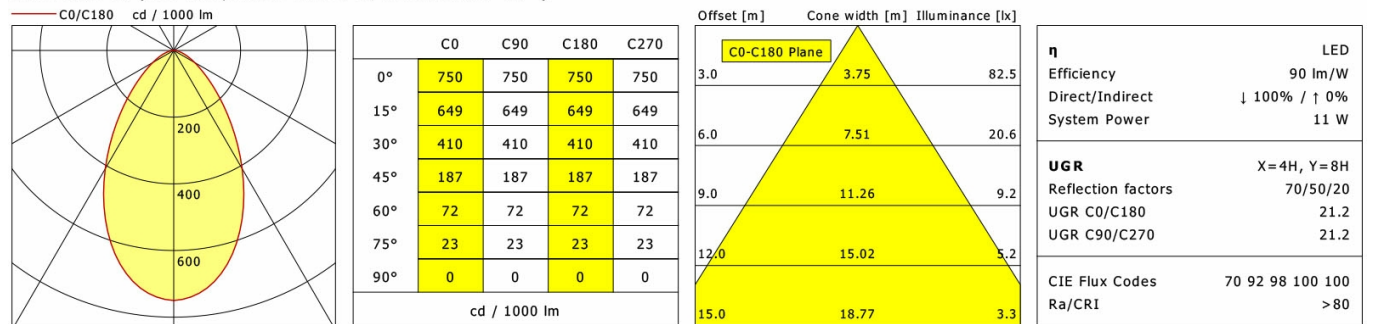
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.33	117.9
6.0	6.65	29.5
9.0	9.98	13.1
12.0	13.30	7.4
15.0	16.63	4.7

<b>η</b>	LED
Efficiency	94 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	19.0
UGR C90/C270	19.0
CIE Flux Codes	86 94 98 100 100
Ra/CRI	>80

LTS

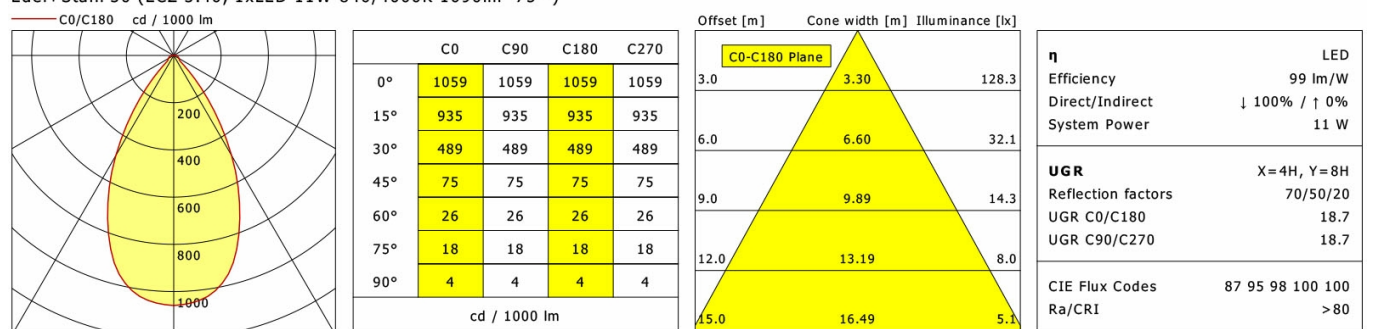
# ECL 30.1140.02

Edel+Stahl 30 (ECZ 3.12, 1xLED 11W 840/4000K 990lm 75 °)



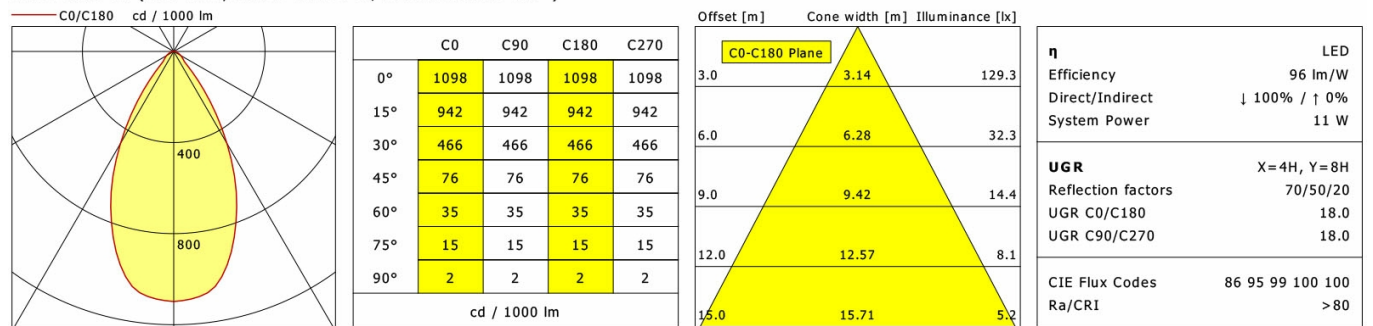
LTS

Edel+Stahl 30 (ECZ 3.40, 1xLED 11W 840/4000K 1090lm 75 °)



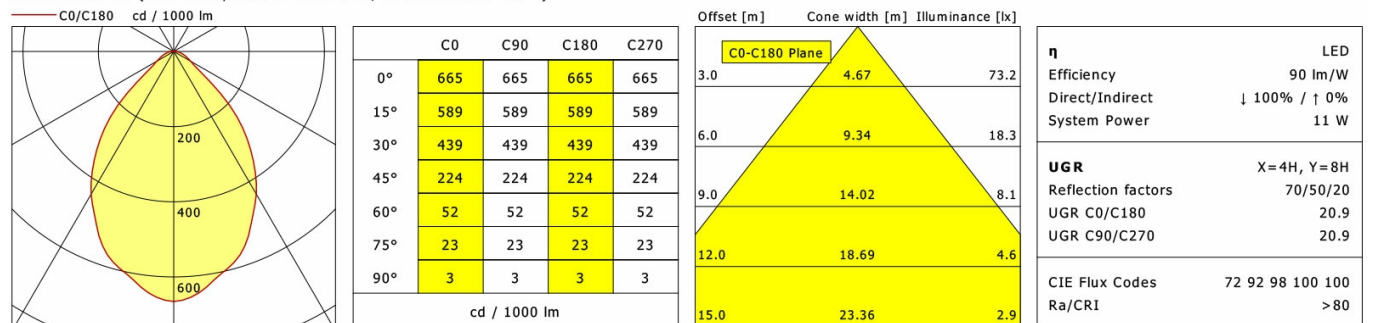
LTS

Edel+Stahl 30 (ECZ 3.21, 1xLED 11W 840/4000K 1060lm 75 °)



LTS

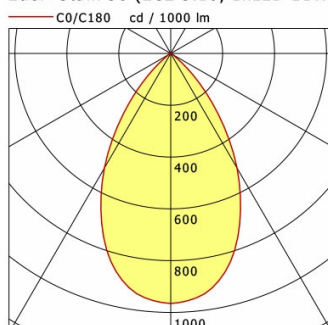
Edel+Stahl 30 (ECZ 3.20, 1xLED 11W 840/4000K 990lm 75 °)



LTS

# ECL 30.1140.02

Edel+Stahl 30 (ECZ 3.10, 1xLED 11W 840/4000K 1080lm 75 °)



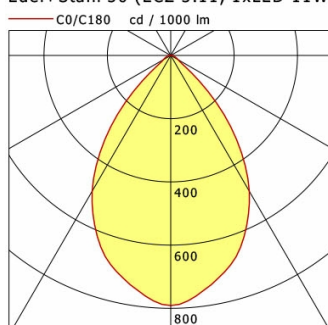
	C0	C90	C180	C270
0°	966	966	966	966
15°	853	853	853	853
30°	511	511	511	511
45°	138	138	138	138
60°	10	10	10	10
75°	8	8	8	8
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.61	115.9
6.0	7.23	29.0
9.0	10.84	12.9
12.0	14.46	7.2
15.0	18.07	4.6

<b>η</b>	LED
Efficiency	98 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	16.9
UGR C90/C270	16.9
CIE Flux Codes	88 98 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.11, 1xLED 11W 840/4000K 1040lm 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	91.4
6.0	8.47	22.9
9.0	12.71	10.2
12.0	16.95	5.7
15.0	21.19	3.7

<b>η</b>	LED
Efficiency	95 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	11 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	18.6
UGR C90/C270	18.6
CIE Flux Codes	81 96 99 100 100
Ra/CRI	>80

LTS

## ECL 30.1140.02

### 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)