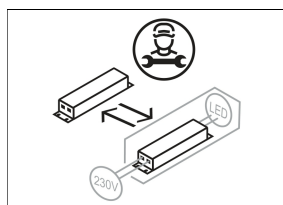
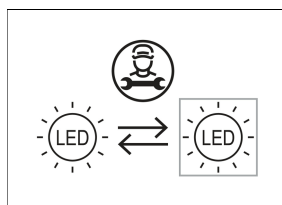
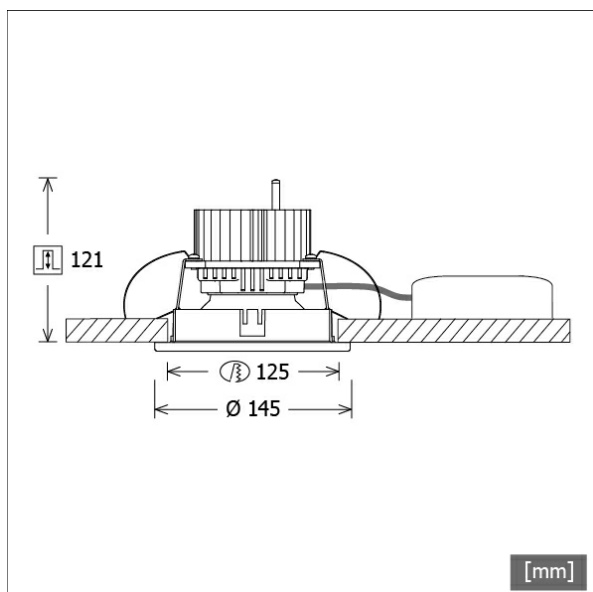


# ECL 10.2040.01



Colours	Article no.	EAN
	635807	4043544382870



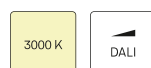
## Description

- 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
- thermal management with passive cooling (heat sink made from 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 clamping springs (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

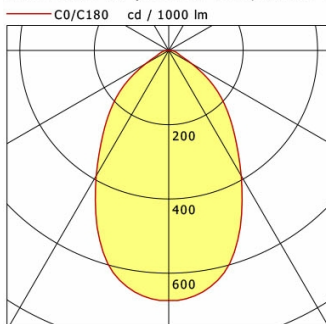
Lamps	LED Modul / CRI 80 / 4000 K
EPREL light sources	891017
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	
System power	22.0 W
Luminaire luminous flux	max. 2180 lm
System efficiency	87.27 lm/W
Module efficiency	122.35 lm/W
UGR class	≤28
Beam angle	65°
Supply voltage	220 - 240 V / 50 - 60 Hz
Protection class	III
Type of protection	IP20

## Dimensions / Weights

Outer diameter	145 mm
Height	128 mm
Cut-out (Ø)	125 mm
Ceiling thickness	10.0 - 25.0 mm
Recessed depth	121 mm
Net weight	0.80 kg
Gross weight	0.87 kg

# ECL 10.2040.01

Edel+Stahl 10 (ECZLED 1.11, 1xLED 22W 840/4000K 1920lm 65 °)



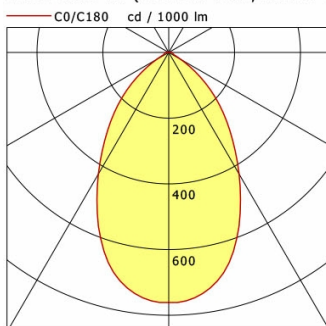
	C0	C90	C180	C270
0°	674	674	674	674
15°	607	607	607	607
30°	390	390	390	390
45°	218	218	218	218
60°	72	72	72	72
75°	22	22	22	22
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.02	143.7
6.0	8.05	35.9
9.0	12.07	16.0
12.0	16.09	9.0
15.0	20.11	5.7

<b>η</b>	LED
Efficiency	87 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	26.4
UGR C90/C270	26.4
CIE Flux Codes	67 92 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 10 (ECZLED 1.10, 1xLED 22W 840/4000K 2030lm 65 °)



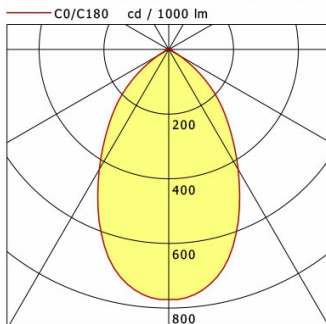
	C0	C90	C180	C270
0°	761	761	761	761
15°	679	679	679	679
30°	427	427	427	427
45°	209	209	209	209
60°	43	43	43	43
75°	14	14	14	14
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.87	171.7
6.0	7.73	42.9
9.0	11.60	19.1
12.0	15.47	10.7
15.0	19.33	6.9

<b>η</b>	LED
Efficiency	92 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.8
UGR C90/C270	24.8
CIE Flux Codes	74 95 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 10 (ECZLED 1.01, 1xLED 22W 840/4000K 2180lm 65 °)



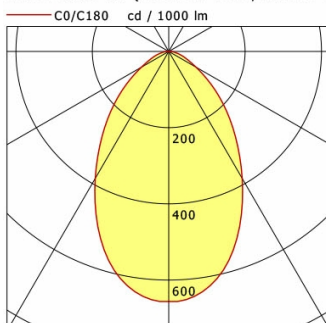
	C0	C90	C180	C270
0°	773	773	773	773
15°	685	685	685	685
30°	429	429	429	429
45°	213	213	213	213
60°	40	40	40	40
75°	12	12	12	12
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.82	187.3
6.0	7.64	46.8
9.0	11.46	20.8
12.0	15.28	11.7
15.0	19.10	7.5

<b>η</b>	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.8
UGR C90/C270	24.8
CIE Flux Codes	74 96 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 10 (ECZLED 1.12, 1xLED 22W 840/4000K 1760lm 65 °)



	C0	C90	C180	C270
0°	656	656	656	656
15°	582	582	582	582
30°	385	385	385	385
45°	208	208	208	208
60°	83	83	83	83
75°	30	30	30	30
90°	1	1	1	1

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.10	128.3
6.0	8.20	32.1
9.0	12.30	14.3
12.0	16.40	8.0
15.0	20.50	5.1

<b>η</b>	LED
Efficiency	80 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	22 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	27.0
UGR C90/C270	27.0
CIE Flux Codes	66 90 98 100 100
Ra/CRI	>80

LTS

# ECL 10.2040.01

## Accessories



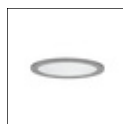
**ECZLED 1.01**  
flange without glass



**ECZLED 1.10**  
flange with clear glass pane  
(inside)



**ECZLED 1.11**  
flange with partially frosted glass pane  
(inside)



**ECZLED 1.12**  
flange with frosted glass pane  
(inside)



**ECZLED 1.21**  
flange with satinated glass ring  
(protruding)



**ECZLED 1.40**  
light effect ring without glass



**ECZLED 1.41**  
light effect ring with clear glass pane  
(inside)



**ECZLED 1.42**  
light effect ring with frosted glass pane  
(inside)



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



**ZDAR 125.145-205**  
compensation ring for ceiling cut-outs from 145 to  
205 mm



**ZVP 100**  
universal reinforcement frame  
(module 625 x 625)