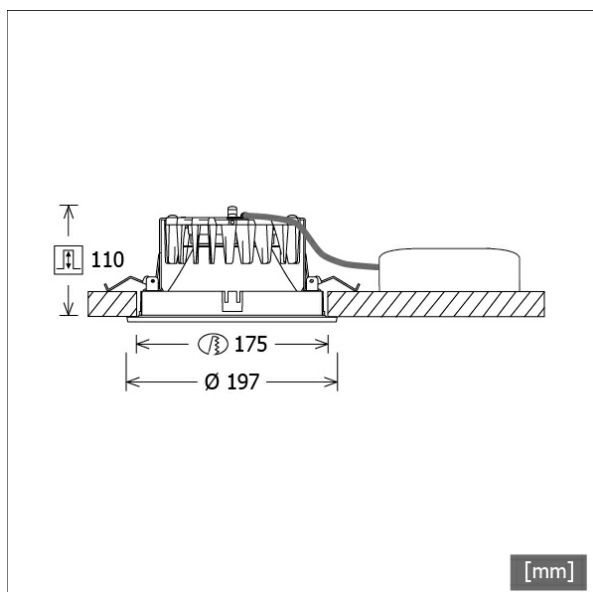


# ECL 30.3040.02/DALI



Colours	Article no.	EAN
	660210	4043544690289



## 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

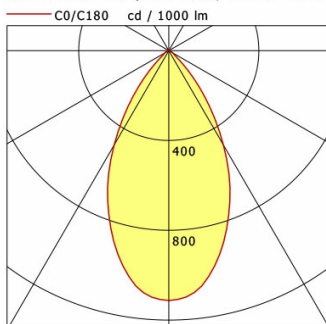
Lamps	LED Modul / CRI 80 / 4000 K
EPREL light sources	891020
	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
Lifetime	28.0 W
System power	max. 3140 lm
Luminaire luminous flux	105.71 lm/W
System efficiency	123.23 lm/W
Module efficiency	≤25
UGR class	75°
Beam angle	220 - 240 V / 50 - 60 Hz
Supply 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	0.86 kg
Gross weight	0.99 kg

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Edel+Stahl 30 (ECZ 3.17, 1xLED 28W 840/4000K 2960lm 75 °)



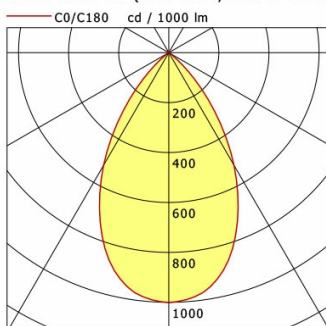
	C0	C90	C180	C270
0°	1113	1113	1113	1113
15°	910	910	910	910
30°	486	486	486	486
45°	106	106	106	106
60°	22	22	22	22
75°	10	10	10	10
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.15	366.0
6.0	6.30	91.5
9.0	9.45	40.7
12.0	12.60	22.9
15.0	15.76	14.6

<b>η</b>	LED
Efficiency	106 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.5
UGR C90/C270	20.5
CIE Flux Codes	87 97 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.01, 1xLED 28W 840/4000K 3140lm 75 °)



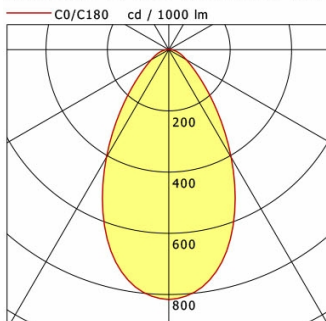
	C0	C90	C180	C270
0°	1001	1001	1001	1001
15°	883	883	883	883
30°	521	521	521	521
45°	128	128	128	128
60°	6	6	6	6
75°	4	4	4	4
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.57	349.2
6.0	7.13	87.3
9.0	10.70	38.8
12.0	14.27	21.8
15.0	17.84	14.0

<b>η</b>	LED
Efficiency	112 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.0
UGR C90/C270	20.0
CIE Flux Codes	90 99 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.42, 1xLED 28W 840/4000K 2550lm 75 °)



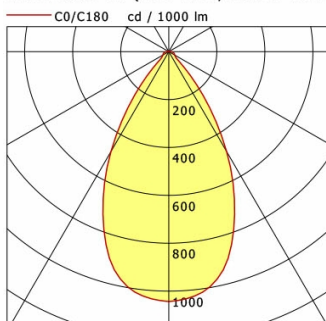
	C0	C90	C180	C270
0°	816	816	816	816
15°	700	700	700	700
30°	406	406	406	406
45°	162	162	162	162
60°	66	66	66	66
75°	30	30	30	30
90°	6	6	6	6

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.45	231.3
6.0	6.90	57.8
9.0	10.36	25.7
12.0	13.81	14.5
15.0	17.26	9.3

<b>η</b>	LED
Efficiency	91 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	25.0
UGR C90/C270	25.0
CIE Flux Codes	72 90 97 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.41, 1xLED 28W 840/4000K 2810lm 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

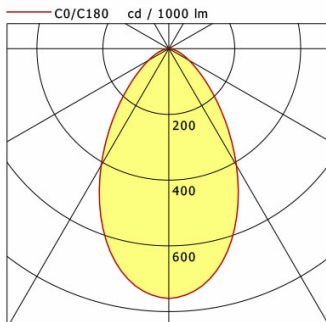
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.29	325.8
6.0	6.59	81.5
9.0	9.88	36.2
12.0	13.18	20.4
15.0	16.47	13.0

<b>η</b>	LED
Efficiency	100 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.6
UGR C90/C270	22.6
CIE Flux Codes	86 94 98 100 100
Ra/CRI	>80

LTS

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Edel+Stahl 30 (ECZ 3.12, 1xLED 28W 840/4000K 2690lm 75 °)



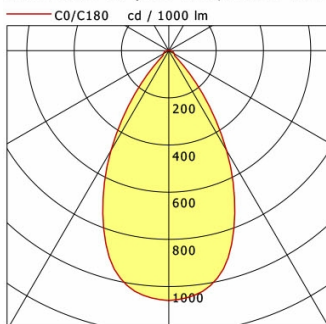
	C0	C90	C180	C270
0°	760	760	760	760
15°	657	657	657	657
30°	410	410	410	410
45°	185	185	185	185
60°	71	71	71	71
75°	23	23	23	23
90°	0	0	0	0

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.71	227.2
6.0	7.42	56.8
9.0	11.13	25.2
12.0	14.84	14.2
15.0	18.55	9.1

<b>η</b>	LED
Efficiency	96 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.6
UGR C90/C270	24.6
CIE Flux Codes	71 92 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.40, 1xLED 28W 840/4000K 3010lm 75 °)



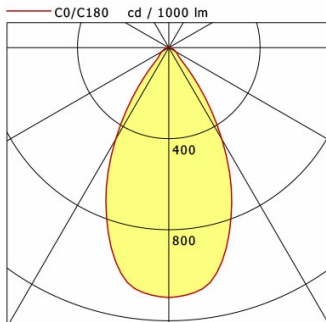
	C0	C90	C180	C270
0°	1059	1059	1059	1059
15°	935	935	935	935
30°	488	488	488	488
45°	75	75	75	75
60°	26	26	26	26
75°	19	19	19	19
90°	4	4	4	4

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.30	354.3
6.0	6.59	88.6
9.0	9.89	39.4
12.0	13.18	22.1
15.0	16.48	14.2

<b>η</b>	LED
Efficiency	108 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.3
UGR C90/C270	22.3
CIE Flux Codes	87 95 98 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.21, 1xLED 28W 840/4000K 2940lm 75 °)



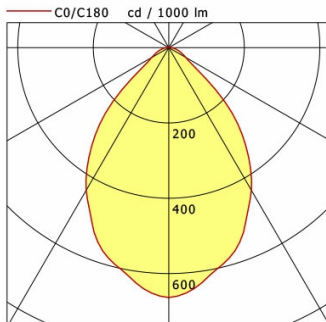
	C0	C90	C180	C270
0°	1098	1098	1098	1098
15°	942	942	942	942
30°	466	466	466	466
45°	76	76	76	76
60°	35	35	35	35
75°	15	15	15	15
90°	2	2	2	2

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.14	358.7
6.0	6.28	89.7
9.0	9.42	39.9
12.0	12.56	22.4
15.0	15.70	14.3

<b>η</b>	LED
Efficiency	105 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	21.6
UGR C90/C270	21.6
CIE Flux Codes	86 95 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.20, 1xLED 28W 840/4000K 2760lm 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

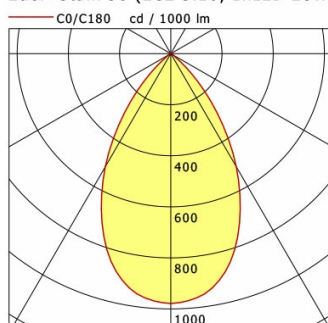
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.69	203.5
6.0	9.37	50.9
9.0	14.06	22.6
12.0	18.74	12.7
15.0	23.43	8.1

<b>η</b>	LED
Efficiency	99 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	24.6
UGR C90/C270	24.6
CIE Flux Codes	71 92 98 100 100
Ra/CRI	>80

LTS

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Edel+Stahl 30 (ECZ 3.10, 1xLED 28W 840/4000K 2950lm 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

cd / 1000 lm

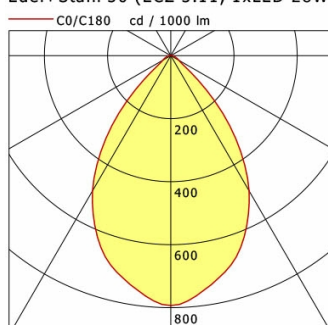
Offset [m]	Cone width [m]	Illuminance [lx]
3.0	3.58	320.8
6.0	7.16	80.2
9.0	10.74	35.6
12.0	14.32	20.1
15.0	17.90	12.8

C0-C180 Plane

<b>η</b>	LED
Efficiency	105 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	20.3
UGR C90/C270	20.3
CIE Flux Codes	88 98 99 100 100
Ra/CRI	>80

LTS

Edel+Stahl 30 (ECZ 3.11, 1xLED 28W 840/4000K 2840lm 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

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
3.0	4.21	250.3
6.0	8.42	62.6
9.0	12.63	27.8
12.0	16.84	15.6
15.0	21.04	10.0

C0-C180 Plane

<b>η</b>	LED
Efficiency	101 lm/W
Direct/Indirect	↓ 100% / ↑ 0%
System Power	28 W
<b>UGR</b>	X=4H, Y=8H
Reflection factors	70/50/20
UGR C0/C180	22.3
UGR C90/C270	22.3
CIE Flux Codes	81 96 99 100 100
Ra/CRI	>80

LTS

# ECL 30.3040.02/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)