ECL 10.3040.01

LTS
LOVE TO SHINE

CE | RoHS | IP20

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)

Standard options

3000 K | DALI

Special options

SCHWARZ | TWL | TWPI | EMERGENCY LIGHTING | BETON EINBAU

Lighting data / Norms

Lamps	LED Modul / CRI 80 / 4000 K
EPREL light sources	891020
Lifetime	L90 B50 50.000 h
	L80 B50 100.000 h
	L80 B20 50.000 h
System power	29.0 W
Luminaire luminous flux	max. 2800 lm
System efficiency	96.55 lm/W
Module efficiency	123.23 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	0.83 kg
Gross weight	0.87 kg

Colours	Article no.	EAN
	635811	4043544382917

121

125
Ø 145

[mm]

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Edel+Stahl 10 (ECZLED 1.01, 1xLED 29W 840/4000K 2800lm 65 °)

— C0/C180   cd / 1000 lm
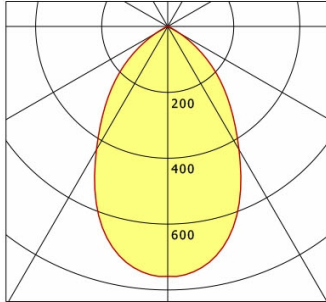
	C0	C90	C180	C270
0°	759	759	759	759
15°	680	680	680	680
30°	432	432	432	432
45°	217	217	217	217
60°	44	44	44	44
75°	6	6	6	6
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180 Plane		
3.0	3.92	236.1
6.0	7.84	59.0
9.0	11.76	26.2
12.0	15.67	14.8
15.0	19.59	9.4

η		LED
Efficiency		97 lm/W
Direct/Indirect		↓ 100% / ↑ 0%
System Power		29 W
UGR		X=4H, Y=8H
Reflection factors		70/50/20
UGR C0/C180		25.4
UGR C90/C270		25.4
CIE Flux Codes		75 97 99 100 100
Ra/CRI		>80

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Edel+Stahl 10 (ECZLED 1.10, 1xLED 29W 840/4000K 2610lm 65 °)

— C0/C180   cd / 1000 lm
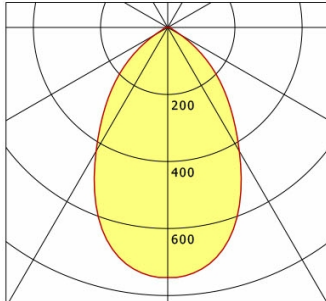
	C0	C90	C180	C270
0°	746	746	746	746
15°	671	671	671	671
30°	426	426	426	426
45°	212	212	212	212
60°	46	46	46	46
75°	12	12	12	12
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180 Plane		
3.0	3.93	216.4
6.0	7.86	54.1
9.0	11.79	24.0
12.0	15.72	13.5
15.0	19.66	8.7

η		LED
Efficiency		90 lm/W
Direct/Indirect		↓ 100% / ↑ 0%
System Power		29 W
UGR		X=4H, Y=8H
Reflection factors		70/50/20
UGR C0/C180		25.6
UGR C90/C270		25.6
CIE Flux Codes		74 96 99 100 100
Ra/CRI		>80

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Edel+Stahl 10 (ECZLED 1.11, 1xLED 29W 840/4000K 2460lm 65 °)

— C0/C180   cd / 1000 lm
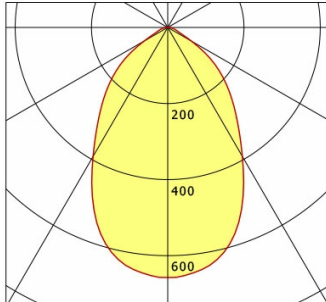
	C0	C90	C180	C270
0°	657	657	657	657
15°	601	601	601	601
30°	392	392	392	392
45°	222	222	222	222
60°	72	72	72	72
75°	20	20	20	20
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180 Plane		
3.0	4.15	179.7
6.0	8.30	44.9
9.0	12.45	20.0
12.0	16.60	11.2
15.0	20.75	7.2

η		LED
Efficiency		85 lm/W
Direct/Indirect		↓ 100% / ↑ 0%
System Power		29 W
UGR		X=4H, Y=8H
Reflection factors		70/50/20
UGR C0/C180		27.0
UGR C90/C270		27.0
CIE Flux Codes		68 93 99 100 100
Ra/CRI		>80

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Edel+Stahl 10 (ECZLED 1.12, 1xLED 29W 840/4000K 2260lm 65 °)

— C0/C180   cd / 1000 lm
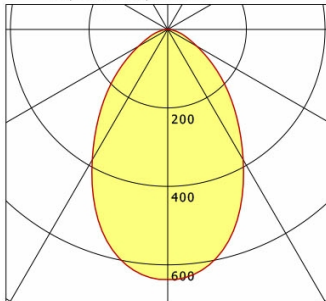
	C0	C90	C180	C270
0°	637	637	637	637
15°	571	571	571	571
30°	384	384	384	384
45°	212	212	212	212
60°	86	86	86	86
75°	29	29	29	29
90°	0	0	0	0

cd / 1000 lm

Offset [m]	Cone width [m]	Illuminance [lx]
C0-C180 Plane		
3.0	4.23	160.1
6.0	8.45	40.0
9.0	12.68	17.8
12.0	16.90	10.0
15.0	21.13	6.4

η		LED
Efficiency		78 lm/W
Direct/Indirect		↓ 100% / ↑ 0%
System Power		29 W
UGR		X=4H, Y=8H
Reflection factors		70/50/20
UGR C0/C180		27.9
UGR C90/C270		27.9
CIE Flux Codes		65 90 98 100 100
Ra/CRI		>80

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Accessories

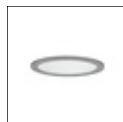|	
ECZLED 1.01 flange without glass	**ECZLED 1.10** flange with clear glass pane (inside)
ECZLED 1.11 flange with partially frosted glass pane (inside)	**ECZLED 1.12** flange with frosted glass pane (inside)
ECZLED 1.21 flange with satinated glass ring (protruding)	**ECZLED 1.40** light effect ring without 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)	