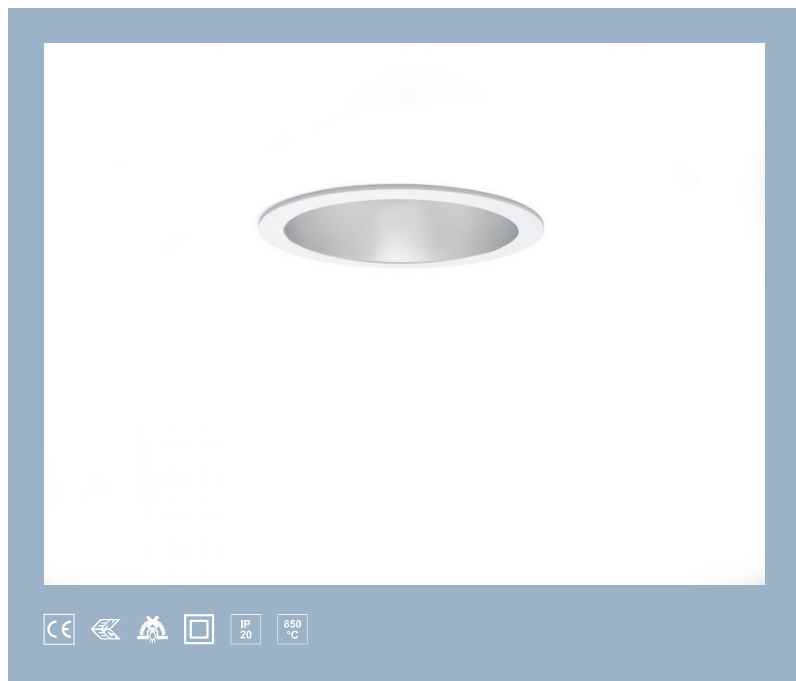


# D90/LEDW10DX1



•  
installation : Kontor, Hälsovård, Utbildning, Horeca, Detaljhandel, Fritid

armaturhus: polykarbonat

ljuskälla : 3000 K

UGR klassificering : <=19

ljusutbyte: 1200 lm

ljusutbyte : 117 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

## Product information

### Armaturlista

dimensioner : 190 mm x 100 mm

håltagning : 175 mm x 100 mm

ring: låg ring

IP: IP20

### Elektrisk data

drivenhet: DALI reglerbar

energiförbrukning : 10.3 W

spänning : 220-240V

frekvens : 50-60Hz AC/DC

fotobiologisk säkerhet : EN 62471: RISK GROUP 1  
UNLIMITED

## Luminance

ljusflöde : 1200 lm

ljusutbyte : 117 lm/W

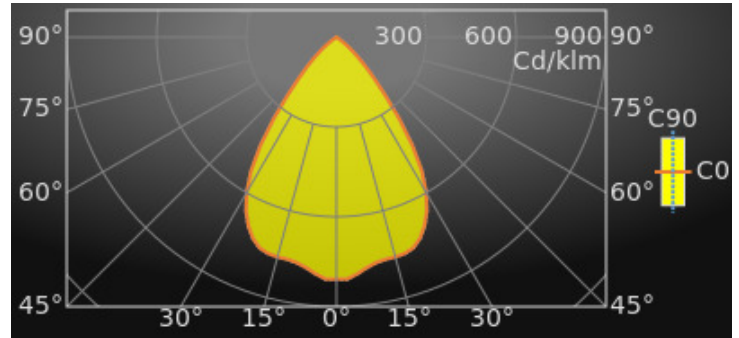
luminans @ 65° : 1000 cd/m<sup>2</sup>

UGR klassificering <=19

lysande yta : 0.02 m<sup>2</sup>

Average Luminances (Cd/m<sup>2</sup>) for 1200lm

Gamma	C0	C30	C45	C60	C90
45°	12084	12084	12084	12084	12084
50°	5966	5966	5966	5966	5966
55°	1066	1066	1066	1066	1066
60°	112	112	112	112	112
65°	21	21	21	21	21
70°	2	2	2	2	2
75°	0	0	0	0	0
80°	0	0	0	0	0
85°	0	0	0	0	0



## Klassifisering

CIE: 900 / 1000 / 1000 / 1000 / 1000

CIE FLUXCODE : 0.90 / 1.00 / 1.00 / 1.00 / 1.00

BZ: BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN\_U: Phi u = 1.00

DIN\_SU: Phi su = 0.81

UTE: 1.00 A + 0.00 T

Detta dokument har sammanställts av ETAP med största noggrannhet. Uppgifterna i denna publikation är dock inte bindande och kan ändras på grund av teknisk utveckling. ETAP är inte ansvarskyldigt för skada, av vilket slag det vara må, till följd av användningen av detta dokument.  
www.etaplighting.com // Made in Belgium

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	100	2
20	100	4
30	100	6
40	99	8
50	99	10
60	99	12

Ljusstyrka i cd

Intensity for 1200lm

Gamma	C0	C45	C90
0°	969.8	969.8	969.8
5°	952.4	952.4	952.4
10°	917.4	917.4	917.4
15°	911.4	911.4	911.4
20°	898.6	898.6	898.6
25°	834.7	834.7	834.7
30°	719.2	719.2	719.2
35°	530.9	530.9	530.9
40°	304.4	304.4	304.4
45°	163.3	163.3	163.3
50°	73.3	73.3	73.3
55°	11.7	11.7	11.7
60°	1.1	1.1	1.1
65°	0.2	0.2	0.2
70°	0.0	0.0	0.0
75°	0.0	0.0	0.0
80°	0.0	0.0	0.0
85°	0.0	0.0	0.0
90°	0.0	0.0	0.0

UGR klassificering

Corrected Glare Ratings for a Total Lamp Flux of 1200lm (S = 0.25H)

Ceiling Walls Floor	Room Reflection Factors (%)									
	70	70	50	50	30	70	70	50	50	30
Room Dimensions	Viewed Crosswise					Viewed Endwise				
X = 2H Y = 2H	17.1	18.5	17.4	18.7	19.0	17.1	18.5	17.4	18.7	19.0
Y = 3H	16.9	18.1	17.2	18.4	18.7	16.9	18.1	17.2	18.4	18.7
Y = 4H	16.8	18.0	17.2	18.3	18.5	16.8	18.0	17.2	18.3	18.5
Y = 6H	16.7	17.8	17.1	18.1	18.4	16.7	17.8	17.1	18.1	18.4
Y = 8H	16.7	17.7	17.1	18.0	18.4	16.7	17.7	17.1	18.0	18.4
Y = 12H	16.7	17.6	17.1	18.0	18.3	16.7	17.6	17.1	18.0	18.3
X = 4H Y = 2H	16.8	18.0	17.2	18.3	18.6	16.8	18.0	17.2	18.3	18.6
Y = 3H	16.7	17.6	17.1	18.0	18.3	16.7	17.6	17.1	18.0	18.3
Y = 4H	16.6	17.4	17.0	17.8	18.2	16.6	17.4	17.0	17.8	18.2
Y = 6H	16.5	17.3	17.0	17.6	18.0	16.5	17.3	17.0	17.6	18.0
Y = 8H	16.5	17.2	16.9	17.6	18.0	16.5	17.2	16.9	17.6	18.0
Y = 12H	16.5	17.1	16.9	17.5	17.9	16.5	17.1	16.9	17.5	17.9
X = 8H Y = 4H	16.5	17.2	16.9	17.6	18.0	16.5	17.2	16.9	17.6	18.0
Y = 6H	16.4	17.0	16.9	17.4	17.9	16.4	17.0	16.9	17.4	17.9
Y = 8H	16.4	16.9	16.9	17.3	17.8	16.4	16.9	16.9	17.3	17.8
Y = 12H	16.3	16.8	16.8	17.3	17.8	16.3	16.8	16.8	17.3	17.8
X = 12H Y = 4H	16.5	17.1	16.9	17.5	17.9	16.5	17.1	16.9	17.5	17.9
Y = 6H	16.4	16.9	16.9	17.3	17.8	16.4	16.9	16.9	17.3	17.8
Y = 8H	16.3	16.8	16.8	17.3	17.8	16.3	16.8	16.8	17.3	17.8
UGR Variations with Observer Position for Luminaire Spacings S										
S = 1.0H	+3.7		-			+3.7		-		
			16.0					16.0		
S = 1.5H	+6.4		-			+6.4		-		
			36.1					36.1		
S = 2.0H	+8.4		-			+8.4		-		
			48.5					48.5		



## Colour properties

Correlated Colour Temperature : 3000

Ra: 80

## Verkningsgrad

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
Ceiling	80	80	80	50	50	50	30	30	30	0
Walls	50	30	10	50	30	10	50	30	10	0
Floor	20	20	20	20	20	20	20	20	20	0
RCR = 1	110	109	107	104	103	102	100	99	98	93
2	102	99	96	97	94	92	94	92	90	85
3	94	90	87	90	87	84	87	85	82	78
4	87	82	78	84	80	77	81	78	75	72
5	81	75	71	78	73	70	76	72	69	66
6	75	69	65	73	68	64	71	67	64	61
7	70	64	60	68	63	59	67	62	59	56
8	65	59	55	64	58	55	62	58	54	52
9	61	55	51	60	54	51	59	54	50	49
10	57	51	47	56	51	47	55	50	47	45

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
Ceiling	80	80	80	50	50	50	50	50	30	0
Walls	50	30	50	30	50	30	50	30	30	0
Floor	30	30	10	10	30	30	10	10	10	0
k = 0.60	71	65	68	63	69	64	67	62	62	58
0.80	82	75	77	72	79	73	75	71	71	67
1.00	89	82	83	78	85	80	81	77	77	72
1.25	98	92	90	86	94	89	88	85	85	81
1.50	103	97	93	90	97	93	91	89	88	84
2.00	109	104	97	95	102	99	95	93	92	88
2.50	113	108	100	98	105	102	97	96	94	91
3.00	117	113	102	100	108	106	100	98	97	94
4.00	119	116	103	102	110	107	100	99	98	94
5.00	122	119	104	103	112	110	102	101	99	96

## Måttskiss

