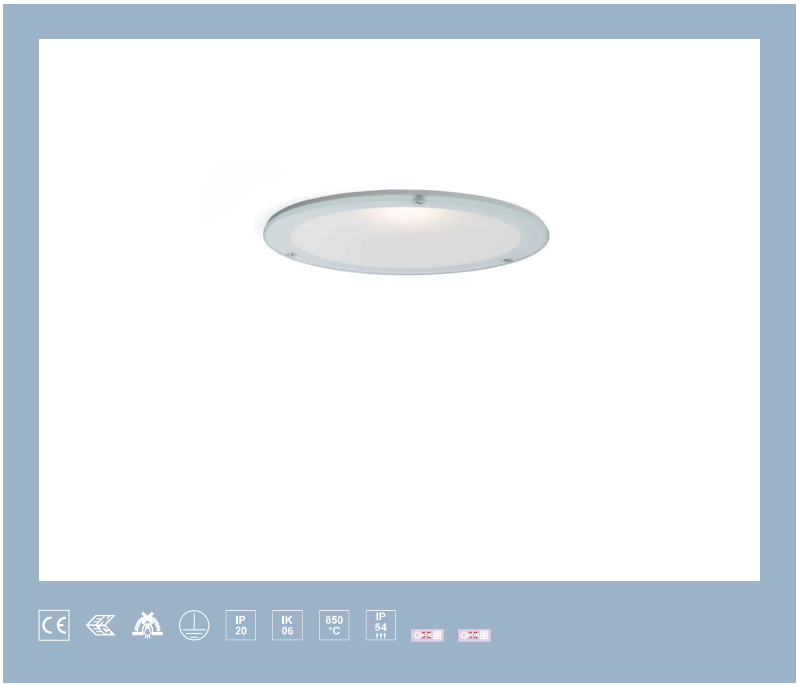
D90/LEDW10SX1T1



infällda armatur • cirkulär

installation : Allmänna kontorslokaler, Auditorium, Allmänna utbildningslokaler, Patientrum, Allmänna sjukvårdslokaler

armaturhus: polykarbonat

ljuskälla : LED • 3000 K

Optik : reflektor och lins • polycarbonate (PC) with aluminium thin film, satin look • bredstrålande

UGR klassificering : <=16

ljusutbyte: 1100 lm

ljusutbyte : 106 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

Product information

Armatur data

dimensioner : 190 mm x 107 mm

håltagning : 175 mm x 107 mm

kulör: RAL9003 - vit

ring: låg ring

typ : individuell armatur

IP: IP20, IP54 underifrån

IK: IK06

Elektrisk data

drivenhet: ej dimbar

effekt : 10.4 W

spänning : 220-240V

frekvens : 50-60Hz AC/DC

fotobiologisk säkerhet : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

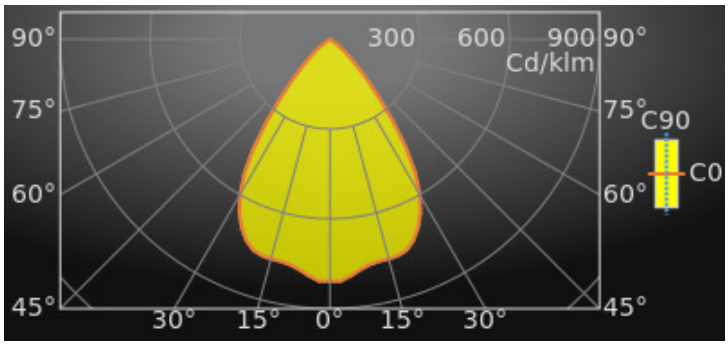
ljusflöde : 1100 lm

ljusutbyte : 106 lm/W

luminans @ 65° = : 1000 cd/m²

UGR klassificering =: <=16

lysande yta : 0.02 m²



Average Luminances (Cd/m²) for 1100lm

Gamma	C0	C30	C45	C60	C90
45°	11077	11077	11077	11077	11077
50°	5469	5469	5469	5469	5469
55°	977	977	977	977	977
60°	102	102	102	102	102
65°	20	20	20	20	20
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

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 1100lm

Gamma	C0	C45	C90
0°	889.0	889.0	889.0
5°	873.0	873.0	873.0
10°	841.0	841.0	841.0
15°	835.5	835.5	835.5
20°	823.8	823.8	823.8
25°	765.1	765.1	765.1
30°	659.2	659.2	659.2
35°	486.7	486.7	486.7
40°	279.1	279.1	279.1
45°	149.7	149.7	149.7
50°	67.2	67.2	67.2
55°	10.7	10.7	10.7
60°	1.0	1.0	1.0
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 1100lm (S = 0.25H)

	Room Reflection Factors (%)									
Ceiling	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor	20	20	20	20	20	20	20	20	20	20
Room Dimensions	**Viewed Crosswise**					**Viewed Endwise**				
X = 2H Y = 2H	16.8	18.2	17.1	18.4	18.7	16.8	18.2	17.1	18.4	18.7
Y = 3H	16.6	17.8	16.9	18.1	18.4	16.6	17.8	16.9	18.1	18.4
Y = 4H	16.5	17.7	16.9	18.0	18.2	16.5	17.7	16.9	18.0	18.2
Y = 6H	16.4	17.5	16.8	17.8	18.1	16.4	17.5	16.8	17.8	18.1
Y = 8H	16.4	17.4	16.8	17.7	18.1	16.4	17.4	16.8	17.7	18.1
Y = 12H	16.4	17.3	16.8	17.6	18.0	16.4	17.3	16.8	17.6	18.0
X = 4H Y = 2H	16.5	17.7	16.9	18.0	18.3	16.5	17.7	16.9	18.0	18.3
Y = 3H	16.4	17.3	16.8	17.7	18.0	16.4	17.3	16.8	17.7	18.0
Y = 4H	16.3	17.1	16.7	17.5	17.9	16.3	17.1	16.7	17.5	17.9
Y = 6H	16.2	17.0	16.7	17.3	17.7	16.2	17.0	16.7	17.3	17.7
Y = 8H	16.2	16.9	16.6	17.3	17.7	16.2	16.9	16.6	17.3	17.7
Y = 12H	16.2	16.8	16.6	17.2	17.6	16.2	16.8	16.6	17.2	17.6
X = 8H Y = 4H	16.2	16.9	16.6	17.3	17.7	16.2	16.9	16.6	17.3	17.7
Y = 6H	16.1	16.7	16.6	17.1	17.6	16.1	16.7	16.6	17.1	17.6
Y = 8H	16.1	16.6	16.6	17.0	17.5	16.1	16.6	16.6	17.0	17.5
Y = 12H	16.0	16.5	16.5	17.0	17.5	16.0	16.5	16.5	17.0	17.5
X = 12H Y = 4H	16.2	16.8	16.6	17.2	17.6	16.2	16.8	16.6	17.2	17.6
Y = 6H	16.1	16.6	16.6	17.0	17.5	16.1	16.6	16.6	17.0	17.5
Y = 8H	16.0	16.5	16.5	17.0	17.5	16.0	16.5	16.5	17.0	17.5
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+3.7	-16.0				+3.7	-16.0			
S = 1.5H	+6.4	-36.1				+6.4	-36.1			
S = 2.0H	+8.4	-48.5				+8.4	-48.5			

Colour properties

Correlated Colour Temperature : 3000

Ra: CRI (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