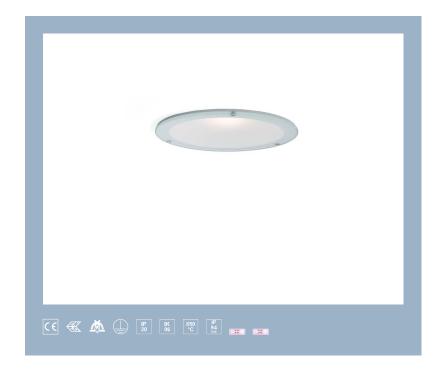
D91/LEDN10SX1T1



luminaire à encastrer • rond

Application : Bureaux, général, Amphithéâtres, Éducation, général, Chambres patients, Secteur des soins de santé, général

caisson: polycarbonate

source lumineuse: LED • 4000 K

optique : réflecteur et lentille • Polycarbonate (PC) avec un fin film d'aluminium, aspect satiné •

extensive

classification UGR: <=19

flux lumineux: 1200 lm

flux lumineux spécifique: 115 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

Product information

Caractéristiques mécaniques

dimensions: 190 mm x 107 mm

dimensions encastrées : 175 mm x 107 mm

couleur: RAL9003 - blanc de sécurité

moulure: moulure en saillie

type: luminaire individuel

IP: IP20, IP54 par le dessous

IK: IK06

Equipement électrique

driver: non gradable

puissance: 10.4 W

tension: 220-240V

fréquence : 50-60Hz AC/DC

sécurité photobiologique : EN 62471: RISK GROUP 1

UNLIMITED



Luminance

flux lumineux: 1200 lm

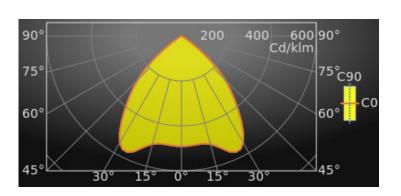
flux lumineux spécifique: 115 lm/W

luminance @ 65° = : 1000 cd/m²

classification UGR =: <=19

surface lumineuse: 0.02 m²

Average Luminances (Cd/m²) for 1200lm										
Gamma	C0	C30	C45	C60	C90					
45°	24197	24197	24197	24197	24197					
50°	15367	15367	15367	15367	15367					
55°	5755	5755	5755	5755	5755					
60°	805	805	805	805	805					
65°	339	339	339	339	339					
70°	229	229	229	229	229					
75°	146	146	146	146	146					
80°	92	92	92	92	92					
85°	102	102	102	102	102					



Classifications

CIE: 771 / 997 / 1000 / 1000 / 1000

CIE FLUXCODE: 0.77 / 1.00 / 1.00 / 1.00 / 1.00

BZ: BZ2/0.8/BZ1

CAE: Symmetrical

DIN: A60 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.74

UTE: 1.00 B + 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

classification UGR =

S = 2.0H

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

	Room Reflection Factors (%)										
Ceiling Walls Floor	70 50 20	70 30 20	50 50 20	50 30 20	30 30 20	70 50 20	70 30 20	50 50 20	50 30 20	30 30 20	
Doom											

Walls Floor	50 20	30 20	50 50 20	30 20	30 20	50 20	30 20	50 50 20	30 20	30 20	
Room Dimensions	Viewed Crosswise Vi					Viewo	Viewed Endwise				
X = 2H Y = 2H	19.9	21.5	20.2	20.2 21.7		19.9	21.5	20.2	21.7	22.0	
Y = 3H	19.7	21.1	20.0	21.4	21.7	19.7	21.1 20.9	20.0	21.4	21.7	
Y = 4H	19.6	20.9	20.0	21.2	21.5	19.6		20.0	21.2	21.5	
Y = 6H	19.5	20.7	19.9	21.0	21.4	19.5	20.7	19.9	21.0	21.4	
Y = 8H	19.5	20.6	19.9	21.0	21.3	19.5	20.6	19.9	21.0	21.3	
Y = 12H	19.5	20.6	19.9	20.9	21.2	19.5	20.6	19.9	20.9	21.2	
X = 4H Y = 2H	19.7	21.0	20.0	21.2	21.5	19.7	21.0	20.0	21.2	21.5	
Y = 3H	19.5	20.6	19.9	20.9	21.3	19.5	20.6	19.9	20.9	21.3	
Y = 4H	19.4 20.4 19.4 20.2 19.3 20.1	19.8	19.8 20.6 19.8 20.5	21.1 19.4	20.4 19.8	20.7	21.1				
Y = 6H		19.8		21.0		20.2 19.8	20.6	21.0			
Y = 8H		19.8		20.9		20.1	19.8	20.5 20.4	20.9 20.9		
Y = 12H	19.3 20.0			19.8	20.9	19.3	20.0			19.8	
X = 8H Y = 4H	19.3	20.1	19.8	19.8 20.5 2		19.3	20.1 19.8		20.5	20.9	
Y = 6H	19.3	19.9	19.7	20.3	20.8	19.3	19.9	19.7	20.3	20.8	
Y = 8H	19.2	19.8	19.7	20.2	20.7	19.2	19.8	19.7	20.2	20.7	
Y = 12H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.2	20.7	
X = 12H Y = 4H	19.3	20.0	19.8	20.4	20.9	19.3	20.0	19.8	20.4	20.9	
Y = 6H	19.2	19.8	19.7	20.2	20.7	19.2	19.8	19.7	20.2	20.7	
Y = 8H	19.2	19.7	19.7	20.2	20.7	19.2	19.7	19.7	20.2	20.7	
	UGR Variations with Observer Position for Luminaire Spacings S										
S = 1.0H		+1.8		-7.0			+1.8		-7.0		
S = 1.5H		+3.6		-21.5			+3.6		-21.5		

-23.3

Intensités lumineuses en cd

Intensity for 1200lm

G	Intensity for		000
Gamma	C0	C45	C90
0°	588.3	588.3	588.3
5°	586.3	586.3	586.3
10°	585.1	585.1	585.1
15°	596.9	596.9	596.9
20°	639.5	639.5	639.5
25°	683.5	683.5	683.5
30°	657.2	657.2	657.2
35°	557.6	557.6	557.6
40°	437.0	437.0	437.0
45°	327.0	327.0	327.0
50°	188.8	188.8	188.8
55°	63.1	63.1	63.1
60°	7.7	7.7	7.7
65°	2.7	2.7	2.7
70°	1.5	1.5	1.5
75°	0.7	0.7	0.7
80°	0.3	0.3	0.3
85°	0.2	0.2	0.2
90°	0.0	0.0	0.0

Colour properties

Correlated Colour Temperature: 4000

Ra: CRI (Ra) 80



+5.6

+5.6

-23.3

Rendement

Utilisation Factors according to IES (%)

					_		` '			
			Room	Reflec	tion Fa	actors	(%)			
Ceiling Walls Floor	80 50 20	80 30 20	80 10 20	50 50 20	50 30 20	50 10 20	30 50 20	30 30 20	30 10 20	0 0 0
RCR = 1	109	107	106	103	101	100	99	98	97	91
2	99	96	93	94	91	89	91	89	87	82
3	90	85	82	86	82	79	83	80	78	74
4	82	77	73	79	74	71	77	73	70	66
5	75	69	65	72	67	63	70	66	63	60
6	69	62	58	66	61	57	65	60	56	54
7	63	57	52	61	56	51	60	55	51	49
8	59	52	47	57	51	47	55	50	46	44
9	54	47	43	52	47	42	51	46	42	40
10	50	44	39	49	43	39	48	42	39	37

							٠,			
			Room	Refle	ction I	actor	s (%)			
Ceiling Walls Floor	80 50 30	80 30 30	80 50 10	50 30 10	50 50 30	50 30 30	50 50 10	50 30 10	30 30 10	0 0 0
k = 0.60	61	54	58	52	59	53	57	52	51	46
0.80	74	67	70	64	71	65	68	63	63	57
1.00	83	75	77	71	79	73	75	70	69	65
1.25	93	85	85	80	88	82	83	79	78	74
1.50	98	91	89	85	93	88	87	83	82	78
2.00	105	99	94	90	98	94	91	88	87	83
2.50	110	105	97	94	102	99	95	92	91	87
3.00	114	110	100	98	106	103	97	95	94	91
4.00	117	113	101	99	108	105	99	97	96	92
5.00	120	117	103	101	110	108	100	99	97	94



Esquisse

