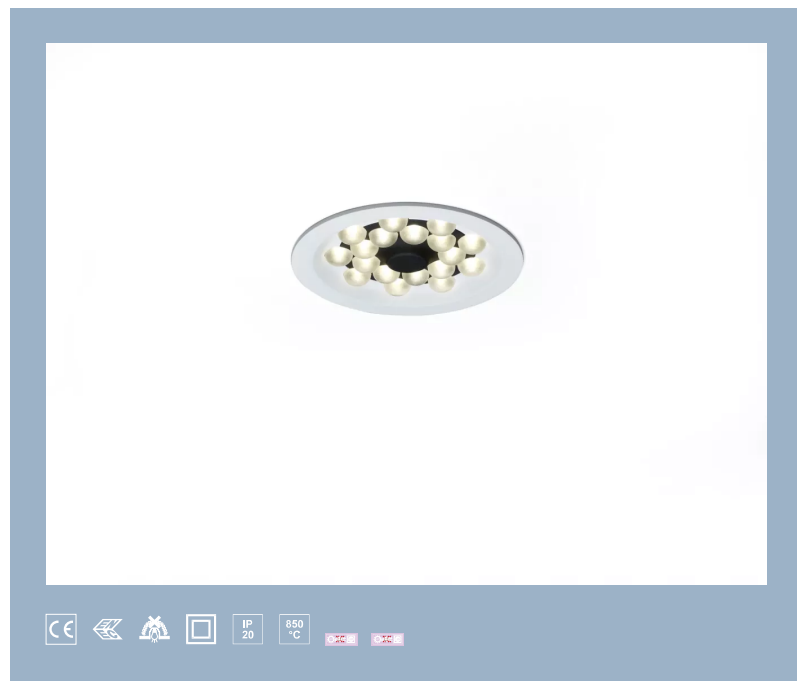


D42R1/LEDN1820S



luminária de encastrar • redonda

aplicação : Áreas de escritório gerais, Áreas de educação gerais

base: alumínio lacado

fonte de luz : LED • 4000 K

óptica : LED+LENS™ • Polycarbonate (PC) lens • extensiva

classificação UGR : <=22

fluxo luminoso: 2250 lm

fluxo luminoso específico : 132 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Medidas

dimensões : 200 mm x 70 mm

medida encastrável : 180 mm x 70 mm

cor: RAL9003 - branco

moldura: moldura espessa

tipo : luminária individual

IP: IP20

Equipamento eléctrico

driver: não regulável

potência : 17 W

tensão : 220-240V

frequência : 50-60Hz AC

segurança fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED

current : 12 A

Luminance

fluxo luminoso : 2250 lm

fluxo luminoso específico : 132 lm/W

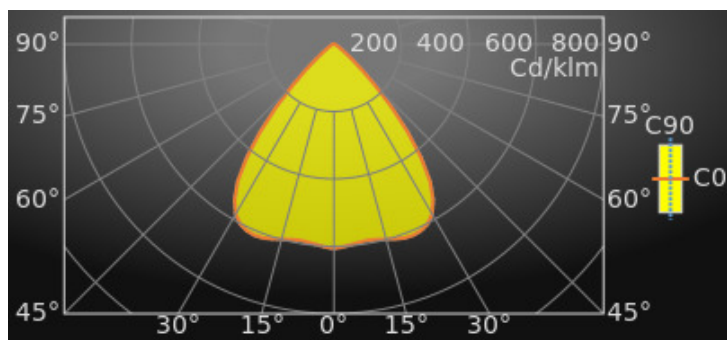
luminância @ 65° = : 3000 cd/m²

classificação UGR =: <=22

área luminosa : 0.02 m²

Average Luminances (Cd/m²) for 2250lm

Gamma	C0	C30	C45	C60	C90
45°	27486	27486	27486	27486	27486
50°	11819	11819	11819	11819	11819
55°	5932	5932	5932	5932	5932
60°	3730	3730	3730	3730	3730
65°	2842	2842	2842	2842	2842
70°	2411	2411	2411	2411	2411
75°	2095	2095	2095	2095	2095
80°	1801	1801	1801	1801	1801
85°	1418	1418	1418	1418	1418



Classificações

CIE: 835 / 982 / 997 / 1000 / 1000

CIE FLUXCODE : 0.84 / 0.98 / 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 = 0.76

UTE: 1.00 B + 0.00 T

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	100	2
20	99	4
30	99	6
40	99	8
50	98	10
60	98	12

Intensidades luminosas em cd

Intensity for 2250lm

Gamma	C0	C45	C90
0°	1364.9	1364.9	1364.9
5°	1343.6	1343.6	1343.6
10°	1329.4	1329.4	1329.4
15°	1347.8	1347.8	1347.8
20°	1377.3	1377.3	1377.3
25°	1375.2	1375.2	1375.2
30°	1310.8	1310.8	1310.8
35°	1119.0	1119.0	1119.0
40°	768.2	768.2	768.2
45°	390.8	390.8	390.8
50°	152.7	152.7	152.7
55°	68.4	68.4	68.4
60°	37.5	37.5	37.5
65°	24.2	24.2	24.2
70°	16.6	16.6	16.6
75°	10.9	10.9	10.9
80°	6.3	6.3	6.3
85°	2.5	2.5	2.5
90°	0.7	0.7	0.7

classificação UGR =

Corrected Glare Ratings for a Total Lamp Flux of 2250lm (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	20.4	21.9	20.7	22.1	22.4	20.4	21.9	20.7	22.1	22.4	
Y = 3H	20.3	21.6	20.6	21.9	22.1	20.3	21.6	20.6	21.9	22.1	
Y = 4H	20.2	21.4	20.5	21.7	22.0	20.2	21.4	20.5	21.7	22.0	
Y = 6H	20.1	21.3	20.5	21.6	21.9	20.1	21.3	20.5	21.6	21.9	
Y = 8H	20.1	21.2	20.5	21.5	21.8	20.1	21.2	20.5	21.5	21.8	
Y = 12H	20.1	21.1	20.5	21.4	21.8	20.1	21.1	20.5	21.4	21.8	
X = 4H Y = 2H	20.2	21.4	20.5	21.7	22.0	20.2	21.4	20.5	21.7	22.0	
Y = 3H	20.1	21.1	20.5	21.5	21.8	20.1	21.1	20.5	21.5	21.8	
Y = 4H	20.1	21.0	20.5	21.3	21.7	20.1	21.0	20.5	21.3	21.7	
Y = 6H	20.0	20.8	20.5	21.2	21.6	20.0	20.8	20.5	21.2	21.6	
Y = 8H	20.0	20.7	20.4	21.1	21.6	20.0	20.7	20.4	21.1	21.6	
Y = 12H	20.0	20.6	20.4	21.1	21.5	20.0	20.6	20.4	21.1	21.5	
X = 8H Y = 4H	20.0	20.7	20.4	21.1	21.5	20.0	20.7	20.4	21.1	21.5	
Y = 6H	20.0	20.6	20.4	21.0	21.5	20.0	20.6	20.4	21.0	21.5	
Y = 8H	19.9	20.5	20.4	20.9	21.4	19.9	20.5	20.4	20.9	21.4	
Y = 12H	19.9	20.4	20.4	20.9	21.4	19.9	20.4	20.4	20.9	21.4	
X = 12H Y = 4H	19.9	20.6	20.4	21.0	21.5	19.9	20.6	20.4	21.0	21.5	
Y = 6H	19.9	20.5	20.4	20.9	21.4	19.9	20.5	20.4	20.9	21.4	
Y = 8H	19.9	20.4	20.4	20.9	21.4	19.9	20.4	20.4	20.9	21.4	
	UGR Variations with Observer Position for Luminaire Spacings S										
S = 1.0H	+2.8				-6.6		+2.8			-6.6	
S = 1.5H	+5.1				-8.2		+5.1			-8.2	
S = 2.0H	+7.1				-8.9		+7.1			-8.9	

Colour properties

Correlated Colour Temperature : 4000

Ra: CRI (Ra) 80

Eficiência

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	109	107	106	103	101	100	99	98	97	92
2	100	96	94	95	92	90	92	89	88	83
3	91	87	83	87	83	81	85	81	79	75
4	84	78	74	80	76	73	78	74	72	68
5	77	71	67	74	69	66	72	68	65	62
6	71	65	60	69	63	60	67	62	59	56
7	66	59	55	64	58	54	62	57	54	52
8	61	55	50	59	54	50	58	53	49	47
9	57	50	46	55	50	46	54	49	45	43
10	53	47	42	52	46	42	51	45	42	40

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	65	58	62	56	63	57	61	56	55	50
0.80	77	70	72	67	74	68	71	66	66	61
1.00	85	77	79	73	81	75	77	72	72	67
1.25	94	88	86	82	90	84	84	81	80	76
1.50	99	93	90	86	94	89	88	85	84	80
2.00	106	100	95	91	99	95	92	90	89	85
2.50	111	106	98	95	103	99	95	93	92	88
3.00	115	110	100	98	106	103	98	96	95	91
4.00	118	114	102	100	108	106	99	98	96	93
5.00	121	117	103	102	110	108	100	99	98	94

Esboço

