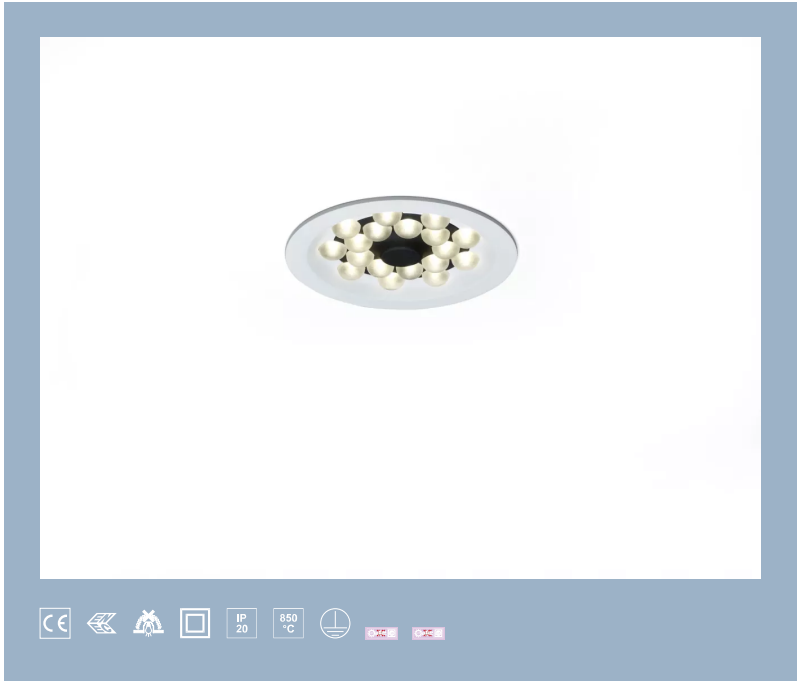


D42R1/LEDW1815S



luminaria empotrada • redonda

aplicación	: Espacios de oficina en general, Espacios de enseñanza en general
carcasa:	aluminio lacado
fuenta luminosa	: LED • 3000 K
óptica	: LED+LENS™ • Lente de policarbonato (PC) • extensiva
clasificación UGR	: <=19
flujo luminoso:	1350 lm
flujo luminoso específico	: 123 lm/W
LLMF:	98% @ 50khrs (Tq=25°C)

Product information

Características mecánicas

dimensiones	: 200 mm x 70 mm
medida empotrada	: 180 mm x 70 mm
color:	RAL9003 - blanco señales
aro:	aro plano
tipo	: luminaria individual
IP:	IP20

Equipo eléctrico

controlador:	no regulable
potencia	: 11 W
tensión	: 220-240V
frecuencia	: 50-60Hz AC
seguridad fotobiológica	: EN 62471: RISK GROUP 1 UNLIMITED
current	: 8 A

Luminance

flujo luminoso : 1350 lm

flujo luminoso específico : 123 lm/W

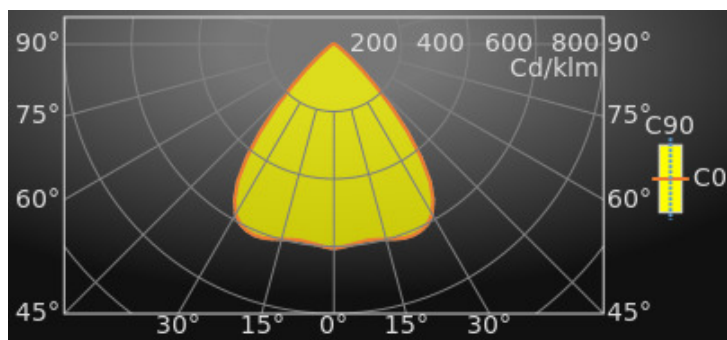
luminancia @ 65° = : 3000 cd/m²

classification UGR =: <=19

superficie luminoso : 0.02 m²

Average Luminances (Cd/m²) for 1350lm

Gamma	C0	C30	C45	C60	C90
45°	16492	16492	16492	16492	16492
50°	7091	7091	7091	7091	7091
55°	3559	3559	3559	3559	3559
60°	2238	2238	2238	2238	2238
65°	1705	1705	1705	1705	1705
70°	1446	1446	1446	1446	1446
75°	1257	1257	1257	1257	1257
80°	1081	1081	1081	1081	1081
85°	851	851	851	851	851



Clasificaciones

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	100	4
30	99	6
40	99	8
50	99	10
60	99	12

Intensidad luminosa en cd

Intensity for 1350lm

Gamma	C0	C45	C90
0°	818.9	818.9	818.9
5°	806.2	806.2	806.2
10°	797.6	797.6	797.6
15°	808.7	808.7	808.7
20°	826.4	826.4	826.4
25°	825.1	825.1	825.1
30°	786.5	786.5	786.5
35°	671.4	671.4	671.4
40°	460.9	460.9	460.9
45°	234.5	234.5	234.5
50°	91.6	91.6	91.6
55°	41.0	41.0	41.0
60°	22.5	22.5	22.5
65°	14.5	14.5	14.5
70°	9.9	9.9	9.9
75°	6.5	6.5	6.5
80°	3.8	3.8	3.8
85°	1.5	1.5	1.5
90°	0.4	0.4	0.4

classification UGR =

Corrected Glare Ratings for a Total Lamp Flux of 1350lm (S = 0.25H)

	Room Reflection Factors (%)									
	Ceiling	Walls	Floor	70	70	50	50	30	30	30
	70	70	50	50	30	70	70	50	50	30
	50	30	50	30	30	50	30	50	30	30
	20	20	20	20	20	20	20	20	20	20
Room Dimensions	Viewed Crosswise					Viewed Endwise				
X = 2H Y = 2H	18.6	20.1	18.9	20.4	20.6	18.6	20.1	18.9	20.4	20.6
Y = 3H	18.5	19.8	18.8	20.1	20.4	18.5	19.8	18.8	20.1	20.4
Y = 4H	18.4	19.7	18.8	20.0	20.3	18.4	19.7	18.8	20.0	20.3
Y = 6H	18.4	19.5	18.7	19.8	20.1	18.4	19.5	18.7	19.8	20.1
Y = 8H	18.3	19.4	18.7	19.7	20.1	18.3	19.4	18.7	19.7	20.1
Y = 12H	18.3	19.3	18.7	19.7	20.0	18.3	19.3	18.7	19.7	20.0
X = 4H Y = 2H	18.4	19.6	18.7	19.9	20.2	18.4	19.6	18.7	19.9	20.2
Y = 3H	18.3	19.4	18.7	19.7	20.0	18.3	19.4	18.7	19.7	20.0
Y = 4H	18.3	19.2	18.7	19.5	19.9	18.3	19.2	18.7	19.5	19.9
Y = 6H	18.3	19.0	18.7	19.4	19.8	18.3	19.0	18.7	19.4	19.8
Y = 8H	18.2	19.0	18.7	19.4	19.8	18.2	19.0	18.7	19.4	19.8
Y = 12H	18.2	18.9	18.6	19.3	19.7	18.2	18.9	18.6	19.3	19.7
X = 8H Y = 4H	18.2	18.9	18.6	19.3	19.8	18.2	18.9	18.6	19.3	19.8
Y = 6H	18.2	18.8	18.6	19.2	19.7	18.2	18.8	18.6	19.2	19.7
Y = 8H	18.2	18.7	18.6	19.2	19.6	18.2	18.7	18.6	19.2	19.6
Y = 12H	18.1	18.6	18.6	19.1	19.6	18.1	18.6	18.6	19.1	19.6
X = 12H Y = 4H	18.2	18.8	18.6	19.3	19.7	18.2	18.8	18.6	19.3	19.7
Y = 6H	18.1	18.7	18.6	19.1	19.6	18.1	18.7	18.6	19.1	19.6
Y = 8H	18.1	18.6	18.6	19.1	19.6	18.1	18.6	18.6	19.1	19.6
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 : 3000

Ra: CRI (Ra) 80

Rendimiento

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

Esquema

