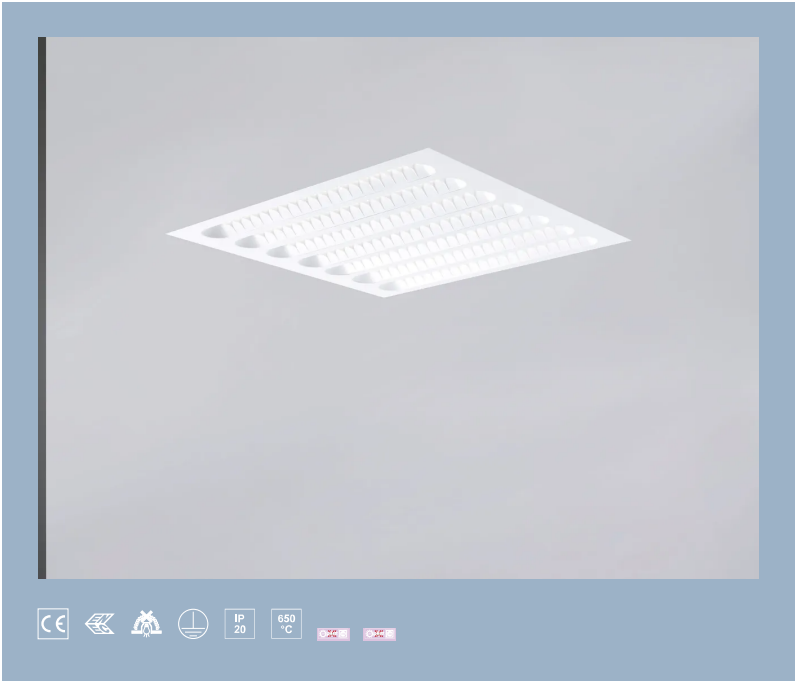


U3352/LEDN770D



luminaria empotrada • cuadrada
aplicación : Enseñanza ? Aulas
carcasa: chapa de acero lacado
fuenta luminosa : LED • 4000 K
óptica : Shielded lens • Blanco policarbonato (PC) • extensiva extrema
clasificación UGR : <=19
flujo luminoso: 6850 lm
flujo luminoso específico : 159 lm/W
LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Características mecánicas

dimensiones : 596 mm x 596 mm x 58 mm
medida empotrada : 596 mm x 596 mm x 70 mm
forma : módulo 600
color: RAL9003 - blanco
tipo : luminaria individual
IP: IP20

Equipo eléctrico

controlador: DALI regulable
potencia : 43 W
tensión : 220-240V
frecuencia : 50-60Hz AC
seguridad fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED

Lifetime Data (Tq=25.0°C)

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

Intensidad luminosa en cd

Intensity for 6850lm

Gamma	C0	C45	C90
0°	2491.9	2491.9	2491.9
5°	2496.7	2500.7	2509.3
10°	2590.3	2576.0	2632.6
15°	2825.7	2760.6	2879.2
20°	3010.8	3051.3	3073.8
25°	3156.2	3261.5	3143.3
30°	3060.4	3376.0	3020.7
35°	2763.1	3387.7	2742.1
40°	2344.0	3228.4	2280.6
45°	1792.0	2864.5	1670.8
50°	786.2	2262.7	755.1
55°	324.6	1423.6	287.5
60°	86.2	395.8	159.2
65°	18.9	123.3	84.1
70°	0.2	21.8	37.5
75°	0.0	0.7	20.4
80°	0.0	0.0	10.3
85°	0.0	0.0	3.0
90°	0.0	0.0	0.0

classification UGR =

Corrected Glare Ratings for a Total Lamp Flux of 6850lm (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	19.1	20.8	19.4	21.0	21.3	18.8	20.4	19.1	20.7	21.0
Y = 3H	18.9	20.4	19.3	20.7	21.0	18.6	20.1	19.0	20.4	20.7
Y = 4H	18.8	20.2	19.2	20.5	20.8	18.5	19.9	18.9	20.2	20.5
Y = 6H	18.8	20.0	19.1	20.3	20.7	18.5	19.7	18.8	20.0	20.4
Y = 8H	18.7	19.9	19.1	20.3	20.6	18.4	19.6	18.8	20.0	20.3
Y = 12H	18.7	19.8	19.1	20.2	20.5	18.4	19.5	18.8	19.9	20.2
X = 4H Y = 2H	19.0	20.4	19.4	20.7	21.0	18.8	20.1	19.1	20.4	20.7
Y = 3H	18.9	20.0	19.3	20.4	20.7	18.6	19.8	19.0	20.1	20.5
Y = 4H	18.8	19.8	19.2	20.2	20.6	18.6	19.6	19.0	19.9	20.3
Y = 6H	18.8	19.6	19.2	20.0	20.4	18.5	19.4	18.9	19.8	20.2
Y = 8H	18.7	19.5	19.2	19.9	20.4	18.5	19.3	18.9	19.7	20.1
Y = 12H	18.7	19.4	19.1	19.8	20.3	18.4	19.2	18.9	19.6	20.0
X = 8H Y = 4H	18.7	19.5	19.2	19.9	20.4	18.5	19.3	18.9	19.7	20.1
Y = 6H	18.7	19.3	19.1	19.8	20.2	18.4	19.1	18.9	19.5	20.0
Y = 8H	18.6	19.2	19.1	19.7	20.2	18.4	19.0	18.9	19.4	19.9
Y = 12H	18.6	19.1	19.1	19.6	20.1	18.4	18.9	18.9	19.3	19.9
X = 12H Y = 4H	18.7	19.4	19.1	19.8	20.3	18.4	19.2	18.9	19.6	20.0
Y = 6H	18.6	19.2	19.1	19.7	20.2	18.4	19.0	18.9	19.4	19.9
Y = 8H	18.6	19.1	19.1	19.6	20.1	18.4	18.9	18.9	19.3	19.9
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+2.4		-5.4			+2.2		-6.3		
S = 1.5H	+4.2		-18.0			+4.2		-10.9		
S = 2.0H	+4.9		-30.3			+4.6		-14.3		

Colour properties

Correlated Colour Temperature : 4000

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	108	106	104	102	100	99	98	97	96	90
2	97	93	90	92	89	87	89	86	84	80
3	88	82	78	83	79	76	81	77	74	71
4	79	73	68	75	70	67	73	69	66	62
5	72	65	60	69	63	59	67	62	58	55
6	65	58	53	63	57	52	61	56	52	49
7	59	52	47	57	51	47	56	50	46	44
8	54	47	42	53	46	42	51	46	42	39
9	50	43	38	48	42	38	47	42	38	36
10	46	39	34	45	39	34	44	38	34	32

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	56	48	53	46	54	47	52	46	45	40
0.80	70	61	65	59	67	60	64	58	57	52
1.00	79	70	73	67	75	68	71	66	65	60
1.25	89	81	81	76	84	78	79	75	74	69
1.50	95	88	86	81	89	84	84	80	79	74
2.00	102	96	91	87	95	91	89	85	84	80
2.50	108	102	95	92	100	96	93	90	89	84
3.00	112	107	98	96	104	100	96	93	92	88
4.00	116	112	100	98	106	103	97	96	94	90
5.00	119	115	102	100	109	106	99	98	96	92

Esquema

