

U7C-M824-15-840-060S



luminaria empotrada • cuadrada

aplicación : Enseñanza ? Aulas, Oficinas ? Lugar de trabajo

carcasa: chapa de acero lacado

fuenta luminosa : LED • 4000 K

óptica : LED+LENS™ • Lente y reflector de policarbonato (PC) • extensiva media

clasificación UGR : <=19

flujo luminoso: 6000 lm

flujo luminoso específico : 150 lm/W

LLMF: 94% @ 50khrs (Tq=25°C)

Product information

Características mecánicas

dimensiones : 621 mm x 621 mm x 50 mm

medida empotrada : 621 mm x 621 mm x 50 mm

forma : módulo 625 cuadrada

color: RAL9003 - blanco

tipo : luminaria individual

IP: IP20

Equipo eléctrico

controlador: no regulable

potencia : 40 W

tensión : 220-240V

frecuencia : 50/60Hz AC

seguridad fotobiológica : EN 62471: RISK GROUP 1 UNLIMITED

Luminance

flujo luminoso : 6000 lm

flujo luminoso específico : 150 lm/W

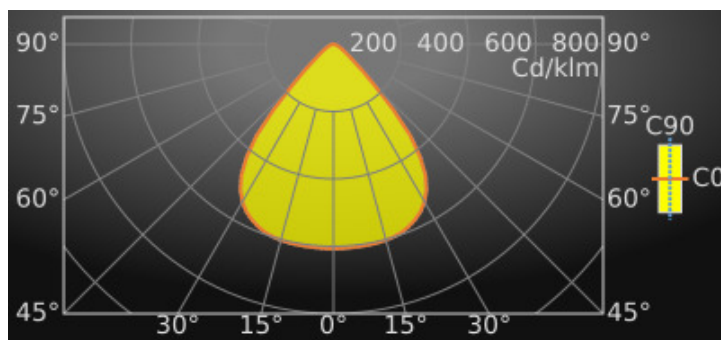
luminancia @ 65° = : 3000 cd/m²

classification UGR =: <=19

superficie luminoso : 0.12 m²

Average Luminances (Cd/m²) for 6000lm

Gamma	C0	C30	C45	C60	C90
45°	12380	12380	12380	12380	12380
50°	6217	6217	6217	6217	6217
55°	4002	4002	4002	4002	4002
60°	2863	2863	2863	2863	2863
65°	2195	2195	2195	2195	2195
70°	1767	1767	1767	1767	1767
75°	1459	1459	1459	1459	1459
80°	1183	1183	1183	1183	1183
85°	511	511	511	511	511



Clasificaciones

CIE: 809 / 971 / 996 / 1000 / 1000

CIE FLUXCODE : 0.81 / 0.97 / 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 = 0.75

UTE: 1.00 B + 0.00 T

Lifetime Data (Tq=25.0°C)

Time(hrs)	LLMF(%)	Cx(%)
10000	98	1
20000	97	2
30000	96	3
40000	95	4
50000	94	5
60000	93	6
70000	92*	7
80000	91*	8
90000	90*	9
100000	90*	9

Intensidad luminosa en cd

Intensity for 6000lm

Gamma	C0	C45	C90
0°	3645.0	3645.0	3645.0
5°	3635.2	3635.2	3635.2
10°	3631.2	3631.2	3631.2
15°	3614.6	3614.6	3614.6
20°	3562.1	3562.1	3562.1
25°	3445.8	3445.8	3445.8
30°	3239.6	3239.6	3239.6
35°	2856.6	2856.6	2856.6
40°	2129.6	2129.6	2129.6
45°	1029.4	1029.4	1029.4
50°	469.9	469.9	469.9
55°	269.9	269.9	269.9
60°	168.4	168.4	168.4
65°	109.1	109.1	109.1
70°	71.1	71.1	71.1
75°	44.4	44.4	44.4
80°	24.1	24.1	24.1
85°	5.2	5.2	5.2
90°	0.0	0.0	0.0

classification UGR =

Corrected Glare Ratings for a Total Lamp Flux of 6000lm (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	17.8	19.4	18.1	19.6	19.9	17.8	19.4	18.1	19.6	19.9
Y = 3H	17.8	19.2	18.1	19.4	19.7	17.8	19.2	18.1	19.4	19.7
Y = 4H	17.8	19.0	18.1	19.3	19.6	17.8	19.0	18.1	19.3	19.6
Y = 6H	17.7	18.9	18.1	19.2	19.5	17.7	18.9	18.1	19.2	19.5
Y = 8H	17.7	18.8	18.1	19.1	19.5	17.7	18.8	18.1	19.1	19.5
Y = 12H	17.7	18.7	18.1	19.1	19.4	17.7	18.7	18.1	19.1	19.4
X = 4H Y = 2H	17.7	19.0	18.0	19.2	19.5	17.7	19.0	18.0	19.2	19.5
Y = 3H	17.7	18.8	18.1	19.1	19.5	17.7	18.8	18.1	19.1	19.5
Y = 4H	17.8	18.7	18.2	19.0	19.4	17.8	18.7	18.2	19.0	19.4
Y = 6H	17.7	18.5	18.2	18.9	19.3	17.7	18.5	18.2	18.9	19.3
Y = 8H	17.7	18.5	18.2	18.9	19.3	17.7	18.5	18.2	18.9	19.3
Y = 12H	17.7	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
X = 8H Y = 4H	17.7	18.4	18.1	18.8	19.2	17.7	18.4	18.1	18.8	19.2
Y = 6H	17.7	18.3	18.2	18.8	19.2	17.7	18.3	18.2	18.8	19.2
Y = 8H	17.7	18.3	18.2	18.7	19.2	17.7	18.3	18.2	18.7	19.2
Y = 12H	17.7	18.2	18.2	18.6	19.2	17.7	18.2	18.2	18.6	19.2
X = 12H Y = 4H	17.7	18.3	18.1	18.8	19.2	17.7	18.3	18.1	18.8	19.2
Y = 6H	17.7	18.2	18.2	18.7	19.2	17.7	18.2	18.2	18.7	19.2
Y = 8H	17.7	18.2	18.2	18.6	19.2	17.7	18.2	18.2	18.6	19.2
UGR Variations with Observer Position for Luminaire Spacings S										
S = 1.0H	+2.5		-4.3		+2.5		-4.3			
S = 1.5H	+4.3		-5.6		+4.3		-5.6			
S = 2.0H	+6.2		-6.4		+6.2		-6.4			

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	109	107	105	103	101	100	99	98	97	91
2	99	96	93	94	91	89	91	89	87	82
3	91	86	82	86	83	80	84	81	78	74
4	83	77	73	79	75	72	77	73	70	67
5	76	70	66	73	68	65	71	67	64	61
6	70	64	59	68	62	58	66	61	58	55
7	65	58	54	63	57	53	61	56	53	51
8	60	54	49	58	53	49	57	52	48	46
9	56	49	45	54	49	45	53	48	44	43
10	52	46	41	51	45	41	50	45	41	39

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	64	57	61	55	62	56	60	55	54	49
0.80	76	69	71	66	73	67	70	65	64	60
1.00	84	76	78	72	80	74	76	71	71	66
1.25	93	86	85	81	88	83	83	80	79	75
1.50	99	92	89	85	93	88	87	84	83	79
2.00	105	99	94	91	99	94	92	89	88	84
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

Esquema

