

US3140/LEDW20D



luminaire à encastrer • linéaire

caisson: tôle d'acier laquée

source lumineuse : LED • 3000 K

optique : Softlight • Protection de lampe pleine • extensive

classification UGR : <=22

flux lumineux: 2250 lm

flux lumineux spécifique : 113 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Caractéristiques mécaniques

dimensions : 1195 mm x 295 mm x 95 mm

dimensions encastrées : 1180 mm x 280 mm

modulation de plafond : M300

couleur: blanc brillanté

type : luminaire individuel

IP: IP20

IK: IK03

Equipement électrique

driver: DALI gradable

puissance : 20 W

tension : 220-240V

fréquence : 50-60Hz AC

sécurité photobiologique : EN 62471: RISK GROUP 0 UNLIMITED

Luminance

flux lumineux : 2250 lm

flux lumineux spécifique : 113 lm/W

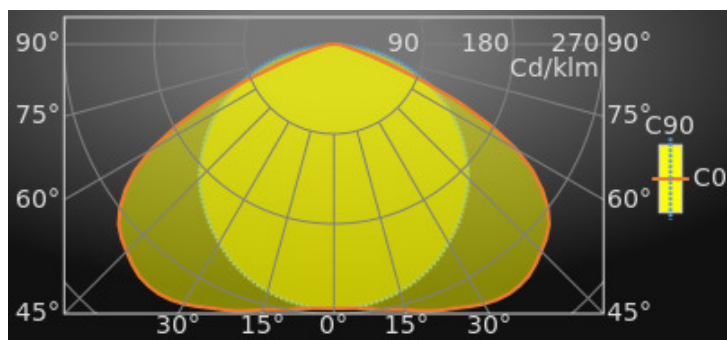
luminance @ 65° = : 3000 cd/m²

classification UGR =: <=22

surface lumineuse : 0.32 m²

Average Luminances (Cd/m²) for 2250lm

Gamma	C0	C30	C45	C60	C90
45°	2889	2762	2583	2286	1876
50°	3046	2887	2716	2433	1870
55°	3096	3014	2848	2579	1873
60°	2939	3022	2942	2696	1874
65°	2295	2691	2886	2784	1851
70°	1176	1727	2408	2744	1824
75°	633	798	1220	2216	1758
80°	439	482	587	929	1624
85°	390	394	406	427	1244



Classifications

CIE: 416 / 781 / 969 / 1000 / 1000

CIE FLUXCODE : 0.42 / 0.78 / 0.97 / 1.00 / 1.00

BZ: BZ10/1.25/BZ4/1.5/BZ10/2.5/BZ5

CAE: CAE 1/75°/CAE 2

DIN: A40 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.52

UTE: 1.00 E + 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	99	10
60	98	12

Intensités lumineuses en cd

Intensity for 2250lm

Gamma	C0	C45	C90
0°	595.3	595.3	595.3
5°	597.4	596.6	594.4
10°	607.7	597.7	587.8
15°	619.6	598.0	576.4
20°	640.2	598.0	561.2
25°	656.7	604.7	541.5
30°	676.2	604.7	517.2
35°	687.2	604.2	489.7
40°	682.3	601.1	460.3
45°	660.2	590.1	428.7
50°	632.6	564.2	388.5
55°	573.7	527.9	347.1
60°	474.9	475.4	302.8
65°	313.4	394.0	252.7
70°	130.0	266.1	201.6
75°	52.9	102.0	147.0
80°	24.6	32.9	91.1
85°	11.0	11.4	35.0
90°	0.0	0.0	0.0

classification 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	17.2	19.1	17.5	19.3	19.6	15.5	17.4	15.8	17.6	17.9
Y = 3H	17.8	19.5	18.2	19.8	20.2	17.3	19.0	17.7	19.3	19.6
Y = 4H	17.8	19.4	18.2	19.8	20.1	18.0	19.6	18.4	19.9	20.3
Y = 6H	17.8	19.3	18.2	19.6	20.0	18.5	20.0	18.9	20.3	20.7
Y = 8H	17.7	19.2	18.1	19.5	19.9	18.6	20.1	19.0	20.4	20.7
Y = 12H	17.7	19.1	18.1	19.5	19.8	18.6	20.0	19.0	20.4	20.7
X = 4H Y = 2H	17.8	19.5	18.2	19.8	20.1	16.7	18.3	17.1	18.6	18.9
Y = 3H	18.6	20.0	19.0	20.3	20.7	18.7	20.1	19.1	20.4	20.8
Y = 4H	18.6	19.9	19.0	20.2	20.6	19.5	20.7	19.9	21.1	21.5
Y = 6H	18.6	19.7	19.0	20.1	20.5	20.1	21.2	20.5	21.6	22.0
Y = 8H	18.6	19.6	19.0	20.0	20.5	20.2	21.3	20.7	21.7	22.1
Y = 12H	18.6	19.5	19.0	19.9	20.4	20.3	21.2	20.7	21.7	22.1
X = 8H Y = 4H	18.8	19.8	19.2	20.2	20.7	19.6	20.6	20.0	21.0	21.4
Y = 6H	18.8	19.7	19.3	20.1	20.6	20.2	21.1	20.7	21.5	22.0
Y = 8H	18.8	19.6	19.3	20.0	20.5	20.4	21.2	20.9	21.6	22.1
Y = 12H	18.8	19.5	19.3	19.9	20.5	20.5	21.2	21.0	21.6	22.2
X = 12H Y = 4H	18.8	19.7	19.2	20.1	20.6	19.6	20.5	20.0	20.9	21.4
Y = 6H	18.8	19.6	19.3	20.0	20.5	20.2	21.0	20.7	21.4	21.9
Y = 8H	18.8	19.5	19.3	19.9	20.5	20.4	21.1	20.9	21.5	22.1
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.1		-0.1			+0.1		-0.1		
S = 1.5H	+0.6		-0.7			+0.4		-0.5		
S = 2.0H	+1.5		-2.4			+1.0		-1.4		

Colour properties

Correlated Colour Temperature : 3000

Ra: CRI (Ra) 80

Rendement

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	103	100	97	96	94	92	92	90	89	84
2	88	83	78	83	78	75	80	76	73	69
3	76	69	64	72	66	62	69	64	61	57
4	67	59	53	63	57	52	61	55	51	48
5	59	51	45	56	49	44	54	48	43	40
6	53	45	39	50	43	38	49	42	37	35
7	48	39	33	45	38	33	44	37	33	30
8	44	35	29	41	34	29	40	34	29	27
9	40	32	26	38	31	26	37	30	26	24
10	37	29	23	35	28	23	34	28	23	21

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	44	35	42	34	42	34	40	33	32	26
0.80	56	46	52	44	52	44	50	43	42	35
1.00	65	55	60	52	61	53	58	51	50	43
1.25	75	65	69	61	70	62	66	60	59	52
1.50	82	73	75	68	76	69	72	66	65	58
2.00	92	83	82	76	85	78	79	74	72	66
2.50	99	91	87	82	91	85	84	80	78	73
3.00	104	98	91	87	96	91	88	85	83	78
4.00	110	104	95	91	100	96	92	89	87	82
5.00	114	109	98	95	104	100	94	92	90	86

Accessoires

US01H010/1200 *Cadre d'encastrement pour plafonds en plaques de plâtre, de bois,...*



Esquisse

