

U25M2/LEDN25D

infällda armatur • kvadratisk

installation : Kontor, Hälsovård, Utbildning, Horeca, Detaljhandel, Fritid

armaturhus: lackad stålplåt

ljuskälla : low power LED • 4000 K

Optik : Diffusor • Klart glas med diffusorfolie • medelbredstrålande

UGR klassificering : <=16

ljusutbyte: 2900 lm

ljusutbyte : 153 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)



Armatur data

takmodul : M600

kulör: högblank vit

typ : individuell armatur

IP: IP20, IP40 underifrån

Luminance

ljusflöde : 2900 lm

ljusutbyte : 153 lm/W

luminans @ 65° : 3000 cd/m²

UGR klassificering: <=16

lysande yta : 0.31 m²

Average Luminances (Cd/m²) for 2900lm

Gamma	C0	C30	C45	C60	C90
45°	2853	2853	2853	2853	2853
50°	2300	2300	2300	2300	2300
55°	1913	1913	1913	1913	1913
60°	1673	1673	1673	1673	1673
65°	1514	1514	1514	1514	1514
70°	1368	1368	1368	1368	1368
75°	1187	1187	1187	1187	1187
80°	892	892	892	892	892
85°	403	403	403	403	403

Elektrisk data

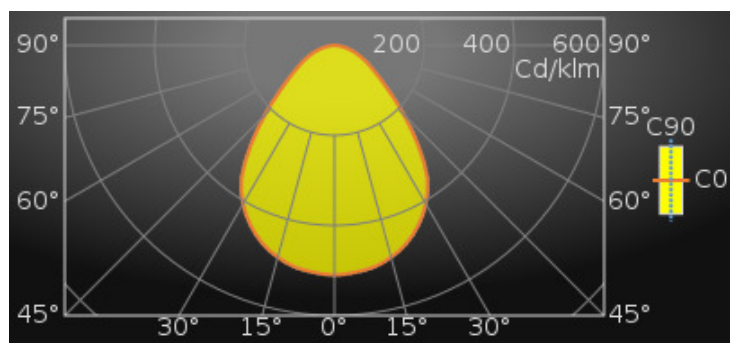
drivenhet: DALI reglerbar

energiförbrukning : 19 W

spänning : 220-240V

frekvens : 50-60Hz AC

fotobiologisk säkerhet : EN 62471: RISK GROUP 0 UNLIMITED



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Klassifisering

CIE: 637 / 889 / 981 / 1000 / 1000

CIE FLUXCODE : 0.64 / 0.89 / 0.98 / 1.00 / 1.00

BZ: BZ2/3/BZ3

CAE: Symmetrical

DIN: A50 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.65

UTE: 1.00 C + 0.00 T

Ljusstyrka i cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	99	2
20	99	4
30	99	6
40	99	8
50	98	9
60	98	11

Intensity for 2900lm

Gamma	C0	C45	C90
0°	1479.3	1479.3	1479.3
5°	1468.8	1468.8	1468.8
10°	1451.1	1451.1	1451.1
15°	1412.1	1412.1	1412.1
20°	1357.9	1357.9	1357.9
25°	1279.2	1279.2	1279.2
30°	1178.6	1178.6	1178.6
35°	1045.2	1045.2	1045.2
40°	841.3	841.3	841.3
45°	632.6	632.6	632.6
50°	463.7	463.7	463.7
55°	344.1	344.1	344.1
60°	262.3	262.3	262.3
65°	200.7	200.7	200.7
70°	146.7	146.7	146.7
75°	96.3	96.3	96.3
80°	48.6	48.6	48.6
85°	11.0	11.0	11.0
90°	0.3	0.3	0.3

UGR klassificering

Corrected Glare Ratings for a Total Lamp Flux of 2900lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)												
	Ceiling	Walls	Floor	70	50	30	70	50	30	70	50	30	
	70	70	50	50	30	70	70	50	50	30	70	50	30
	50	30	50	30	30	50	30	50	30	30	50	30	30
	20	20	20	20	20	20	20	20	20	20	20	20	20
	Viewed Crosswise					Viewed Endwise							
X = 2H Y = 2H	14.1	15.7	14.4	16.0	16.3	14.1	15.7	14.4	16.0	16.3			
Y = 3H	14.9	16.4	15.3	16.7	17.0	14.9	16.4	15.3	16.7	17.0			
Y = 4H	15.3	16.7	15.6	17.0	17.3	15.3	16.7	15.6	17.0	17.3			
Y = 6H	15.5	16.8	15.8	17.1	17.4	15.5	16.8	15.8	17.1	17.4			
Y = 8H	15.5	16.7	15.9	17.1	17.4	15.5	16.7	15.9	17.1	17.4			
Y = 12H	15.5	16.7	15.9	17.0	17.3	15.5	16.7	15.9	17.0	17.3			
X = 4H Y = 2H	14.4	15.8	14.8	16.1	16.4	14.4	15.8	14.8	16.1	16.4			
Y = 3H	15.5	16.7	15.9	17.0	17.4	15.5	16.7	15.9	17.0	17.4			
Y = 4H	15.9	17.0	16.4	17.4	17.7	15.9	17.0	16.4	17.4	17.7			
Y = 6H	16.2	17.2	16.7	17.5	18.0	16.2	17.2	16.7	17.5	18.0			
Y = 8H	16.3	17.1	16.7	17.5	18.0	16.3	17.1	16.7	17.5	18.0			
Y = 12H	16.3	17.1	16.7	17.5	17.9	16.3	17.1	16.7	17.5	17.9			
X = 8H Y = 4H	16.1	17.0	16.6	17.4	17.8	16.1	17.0	16.6	17.4	17.8			
Y = 6H	16.5	17.2	16.9	17.6	18.1	16.5	17.2	16.9	17.6	18.1			
Y = 8H	16.6	17.2	17.0	17.6	18.1	16.6	17.2	17.0	17.6	18.1			
Y = 12H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1			
X = 12H Y = 4H	16.1	16.9	16.6	17.3	17.8	16.1	16.9	16.6	17.3	17.8			
Y = 6H	16.5	17.1	17.0	17.6	18.1	16.5	17.1	17.0	17.6	18.1			
Y = 8H	16.6	17.1	17.1	17.6	18.1	16.6	17.1	17.1	17.6	18.1			
	UGR Variations with Observer Position for Luminaire Spacings S												
S = 1.0H	+0.3		-0.5		+0.3		-0.5						
S = 1.5H	+0.7		-1.0		+0.7		-1.0						
S = 2.0H	+1.5		-1.4		+1.5		-1.4						

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Colour properties

Correlated Colour Temperature : 4000

Ra: 80

Verkningsgrad

Utilisation Factors according to IES (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	30	30	30	0
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	106	104	102	100	98	96	96	94	93	88
2	94	90	87	89	86	83	86	83	81	76
3	85	79	75	80	76	72	78	74	71	67
4	76	70	65	73	67	63	70	66	62	59
5	69	62	57	66	60	56	64	59	55	52
6	63	56	51	61	54	50	59	54	50	47
7	58	51	46	56	49	45	54	49	45	42
8	54	46	41	52	45	41	50	45	40	38
9	50	42	37	48	42	37	47	41	37	35
10	46	39	34	45	38	34	44	38	34	32

Utilisation Factors according to LiTG (%)

	Room Reflection Factors (%)									
	80	80	80	50	50	50	50	50	30	0
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	54	47	54	47	52	46	46	40
0.80	68	59	64	57	65	58	62	56	55	50
1.00	76	67	71	64	72	65	68	63	62	56
1.25	86	78	79	73	81	75	76	71	71	65
1.50	92	84	83	78	86	80	81	76	75	70
2.00	100	92	89	84	93	87	86	82	81	76
2.50	105	99	93	89	98	93	90	87	86	81
3.00	110	104	96	93	101	97	93	91	89	85
4.00	114	109	99	96	104	101	96	93	92	88
5.00	118	113	101	99	107	104	98	96	94	90

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Tillbehör

U2H2 *Infällnadsram för fasta undertak M600*

Måttskiss

