

US3141/LEDW20D



inbouwarmatuur • vierkant

behuizing: gelakt plaatstaal

lichtbron : led • 3000 K

optiek : Softlight • Gesloten lampafscherming • breedstralend

UGR classificatie : <=19

lichtstroom: 2250 lm

efficiëntie : 107 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanische eigenschappen

afmetingen : 595 mm x 595 mm x 90 mm

inbouwmaat : 596 mm x 596 mm x 100 mm

plafondmodulatie : M600

kleur: hoogglanzend wit

type : individueel armatuur

IP: IP20

IK: IK03

Elektrische uitrusting

driver: DALI dimbaar

opgenomen vermogen : 21 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 0 UNLIMITED

Luminantie

lichtstroom : 2250 lm

efficiëntie : 107 lm/W

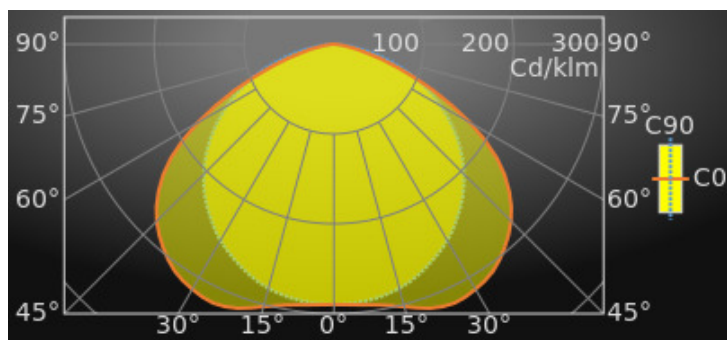
luminantie @ 65° = : 3000 cd/m²

UGR classificatie =: <=19

lichtgevende oppervlakte : 0.33 m²

Average Luminances (Cd/m²) for 2250lm

Gamma	C0	C30	C45	C60	C90
45°	2682	2635	2541	2372	1968
50°	2695	2673	2581	2426	1952
55°	2628	2648	2593	2461	1915
60°	2380	2526	2541	2450	1865
65°	1962	2174	2341	2358	1795
70°	1477	1678	1905	2129	1664
75°	1009	1158	1348	1627	1465
80°	655	794	875	1024	1150
85°	294	386	480	631	858



Classificaties

CIE: 447 / 801 / 970 / 1000 / 1000

CIE FLUXCODE : 0.45 / 0.80 / 0.97 / 1.00 / 1.00

BZ: BZ10/0.8/BZ5/1.25/BZ4

CAE: CAE 1/65°/CAE 2

DIN: A40 (Nach Arbeitsblatt 7)

DIN_U: Phi u = 1.00

DIN_SU: Phi su = 0.54

UTE: 1.00 F + 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	98	10
60	98	12

Lichtsterkten in cd

Intensity for 2250lm

Gamma	C0	C45	C90
0°	652.0	652.0	652.0
5°	655.5	652.3	649.9
10°	663.4	652.9	644.2
15°	680.4	654.8	632.9
20°	703.8	660.5	615.6
25°	715.3	665.5	592.8
30°	708.8	661.6	568.0
35°	694.4	651.6	535.8
40°	664.7	628.4	501.5
45°	627.1	594.2	460.2
50°	572.7	548.4	414.8
55°	498.4	491.8	363.2
60°	393.5	420.1	308.3
65°	274.2	327.1	250.9
70°	167.0	215.5	188.2
75°	86.4	115.3	125.3
80°	37.6	50.3	66.0
85°	8.5	13.8	24.7
90°	0.0	0.0	0.0

UGR classificatie =

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	16.3	18.1	16.6	18.4	18.6	15.4	17.2	15.7	17.5	17.8
Y = 3H	17.1	18.8	17.5	19.1	19.4	16.9	18.5	17.2	18.8	19.1
Y = 4H	17.3	18.9	17.7	19.2	19.5	17.3	18.9	17.7	19.2	19.6
Y = 6H	17.3	18.8	17.7	19.1	19.5	17.6	19.1	18.0	19.4	19.7
Y = 8H	17.3	18.7	17.7	19.1	19.4	17.6	19.1	18.0	19.4	19.8
Y = 12H	17.3	18.6	17.7	19.0	19.3	17.7	19.0	18.1	19.4	19.7
X = 4H Y = 2H	16.9	18.5	17.2	18.8	19.1	16.3	17.8	16.6	18.2	18.5
Y = 3H	17.9	19.2	18.3	19.6	19.9	17.9	19.3	18.3	19.6	20.0
Y = 4H	18.1	19.3	18.5	19.7	20.1	18.5	19.7	18.9	20.1	20.5
Y = 6H	18.2	19.3	18.6	19.7	20.1	18.8	19.9	19.3	20.3	20.7
Y = 8H	18.2	19.2	18.6	19.6	20.0	18.9	19.9	19.3	20.3	20.7
Y = 12H	18.2	19.1	18.6	19.5	20.0	18.9	19.9	19.4	20.3	20.7
X = 8H Y = 4H	18.3	19.3	18.7	19.7	20.1	18.6	19.6	19.1	20.0	20.5
Y = 6H	18.4	19.3	18.9	19.7	20.2	19.0	19.9	19.5	20.3	20.8
Y = 8H	18.5	19.2	18.9	19.6	20.1	19.2	19.9	19.7	20.4	20.8
Y = 12H	18.5	19.1	19.0	19.6	20.1	19.3	19.9	19.7	20.3	20.9
X = 12H Y = 4H	18.3	19.2	18.7	19.6	20.1	18.6	19.5	19.1	19.9	20.4
Y = 6H	18.5	19.2	18.9	19.6	20.1	19.0	19.8	19.5	20.2	20.7
Y = 8H	18.5	19.1	19.0	19.6	20.1	19.2	19.8	19.7	20.3	20.8
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+0.1		-0.1			+0.1		-0.2		
S = 1.5H	+0.6		-0.6			+0.5		-0.6		
S = 2.0H	+1.1		-1.6			+0.8		-1.3		

Kleureigenschappen

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	98	97	94	93	93	91	90	84
2	89	84	80	84	80	76	80	77	74	70
3	78	71	66	73	68	63	70	66	62	58
4	68	61	55	65	58	54	62	57	53	49
5	61	53	47	58	51	46	56	50	45	42
6	55	46	40	52	45	40	50	44	39	37
7	49	41	35	47	40	35	45	39	34	32
8	45	37	31	43	36	31	42	35	30	28
9	41	33	28	39	32	27	38	32	27	25
10	38	30	25	36	29	25	35	29	25	23

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	46	36	43	35	43	35	42	35	34	27
0.80	57	48	54	46	54	46	52	45	44	37
1.00	66	57	62	54	62	54	59	52	52	45
1.25	77	67	70	63	72	64	67	61	60	54
1.50	84	75	76	69	78	71	73	67	66	60
2.00	93	84	83	77	86	80	80	75	74	68
2.50	100	92	88	83	92	86	85	81	79	74
3.00	105	99	92	88	97	92	89	85	84	79
4.00	111	105	96	92	101	97	92	89	88	83
5.00	115	110	98	95	104	101	95	93	91	86

Accessoires

US01H010/600 *Inbouwkader voor gipsplaten en houten plafonds*

Maatschets

