D23R1/LEDN10DX1

opbouwarmatuur • rond

toepassing : Kantoor, Gezondheidszorg, Onderwijs, Horeca, Retail, Vrije tijd

behuizing: gelakt aluminium

lichtbron : ledmodule • 4000 K

optiek : Reflector • Aluminium, hoogglans met diamantfacetten • breedstralend

UGR classificatie : <=16

lichtstroom: 1300 lm

efficiëntie : 130 lm/W

LLMF: 99% @ 50khrs (Tq=25°C)

Product information

Mechanische eigenschappen

afmetingen : 200 mm x 212 mm

kleur: RAL9003 - signaalwit (structuurlak)

type : individueel armatuur

Elektrische uitrusting

driver: DALI dimbaar

opgenomen vermogen : 10 W

spanning : 230-240V

frequentie : 50Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 1 UNLIMITED

current : 2 A

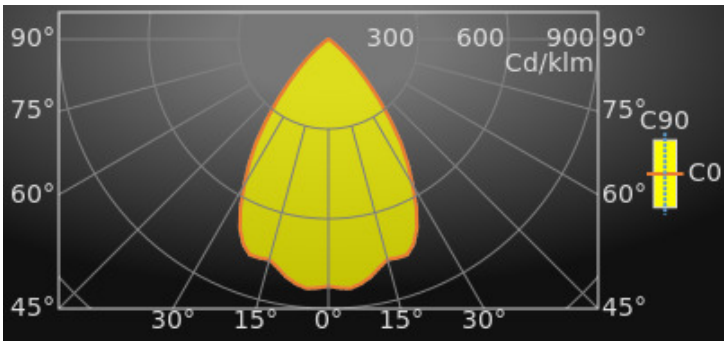
Luminantie

lichtstroom : 1300 lm

efficiëntie : 130 lm/W

UGR classificatie <=16

lichtgevende oppervlakte : 0.02 m²



Average Luminances (Cd/m²) for 1300lm

Gamma	C0	C30	C45	C60	C90
45°	10753	10753	10753	10753	10753
50°	4694	4694	4694	4694	4694
55°	1416	1416	1416	1416	1416
60°	3	3	3	3	3
65°	0	0	0	0	0
70°	0	0	0	0	0
75°	0	0	0	0	0
80°	0	0	0	0	0
85°	0	0	0	0	0

Classificaties

CIE: 894 / 1000 / 1000 / 1000 / 1000

CIE FLUXCODE : 0.89 / 1.00 / 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 = 0.81

UTE: 1.00 A + 0.00 T

Lichtsterkten in cd

Lifetime Data (Tq=25.0°C)

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

Intensity for 1300lm

Gamma	C0	C45	C90
0°	1071.7	1071.7	1071.7
5°	1086.0	1086.0	1086.0
10°	1048.3	1048.3	1048.3
15°	990.3	990.3	990.3
20°	996.2	996.2	996.2
25°	908.4	908.4	908.4
30°	730.7	730.7	730.7
35°	547.1	547.1	547.1
40°	338.2	338.2	338.2
45°	178.7	178.7	178.7
50°	70.9	70.9	70.9
55°	19.1	19.1	19.1
60°	0.0	0.0	0.0
65°	0.0	0.0	0.0
70°	0.0	0.0	0.0
75°	0.0	0.0	0.0
80°	0.0	0.0	0.0
85°	0.0	0.0	0.0
90°	0.0	0.0	0.0

UGR classificatie

Corrected Glare Ratings for a Total Lamp Flux of 1300lm (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	16.5	17.8	16.7	18.1	18.3	16.5	17.8	16.7	18.1	18.3
Y = 3H	16.3	17.5	16.6	17.8	18.1	16.3	17.5	16.6	17.8	18.1
Y = 4H	16.2	17.4	16.6	17.6	17.9	16.2	17.4	16.6	17.6	17.9
Y = 6H	16.1	17.2	16.5	17.5	17.8	16.1	17.2	16.5	17.5	17.8
Y = 8H	16.1	17.1	16.5	17.4	17.7	16.1	17.1	16.5	17.4	17.7
Y = 12H	16.1	17.0	16.5	17.3	17.7	16.1	17.0	16.5	17.3	17.7
X = 4H Y = 2H	16.2	17.4	16.6	17.6	17.9	16.2	17.4	16.6	17.6	17.9
Y = 3H	16.1	17.0	16.5	17.3	17.7	16.1	17.0	16.5	17.3	17.7
Y = 4H	16.0	16.8	16.4	17.2	17.5	16.0	16.8	16.4	17.2	17.5
Y = 6H	15.9	16.7	16.4	17.0	17.4	15.9	16.7	16.4	17.0	17.4
Y = 8H	15.9	16.6	16.3	17.0	17.4	15.9	16.6	16.3	17.0	17.4
Y = 12H	15.9	16.5	16.3	16.9	17.3	15.9	16.5	16.3	16.9	17.3
X = 8H Y = 4H	15.9	16.6	16.3	17.0	17.4	15.9	16.6	16.3	17.0	17.4
Y = 6H	15.8	16.4	16.3	16.8	17.3	15.8	16.4	16.3	16.8	17.3
Y = 8H	15.8	16.3	16.2	16.7	17.2	15.8	16.3	16.2	16.7	17.2
Y = 12H	15.7	16.2	16.2	16.6	17.2	15.7	16.2	16.2	16.6	17.2
X = 12H Y = 4H	15.9	16.5	16.3	16.9	17.3	15.9	16.5	16.3	16.9	17.3
Y = 6H	15.8	16.3	16.2	16.7	17.2	15.8	16.3	16.2	16.7	17.2
Y = 8H	15.7	16.2	16.2	16.6	17.2	15.7	16.2	16.2	16.6	17.2

	UGR Variations with Observer Position for Luminaire Spacings S			
S = 1.0H	+3.4	-13.0	+3.4	-13.0
S = 1.5H	+6.1	+0.0	+6.1	+0.0
S = 2.0H	+8.1	+0.0	+8.1	+0.0

Kleureigenschappen

Correlated Colour Temperature : 4000

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	110	109	107	104	103	102	100	99	98	93
2	102	99	96	97	94	92	94	92	90	85
3	94	90	87	90	87	84	87	85	82	78
4	87	82	79	84	80	77	82	78	76	72
5	81	75	71	78	73	70	76	72	69	66
6	75	69	65	73	68	64	71	67	64	61
7	70	64	60	68	63	59	67	62	59	57
8	66	59	55	64	59	55	63	58	55	53
9	61	55	51	60	55	51	59	54	51	49
10	58	52	48	56	51	47	55	51	47	45

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	72	65	68	63	70	64	67	63	62	58
0.80	82	75	77	72	79	74	76	72	71	67
1.00	89	83	83	78	86	80	81	78	77	73
1.25	99	92	90	87	94	89	88	85	85	81
1.50	103	97	93	90	97	93	91	89	88	84
2.00	109	104	97	95	102	99	95	93	92	89
2.50	113	109	100	98	105	102	97	96	94	91
3.00	117	113	102	100	108	106	100	98	97	94
4.00	119	116	103	102	110	107	100	99	98	95
5.00	122	119	104	103	112	110	102	101	99	96

Maatschets