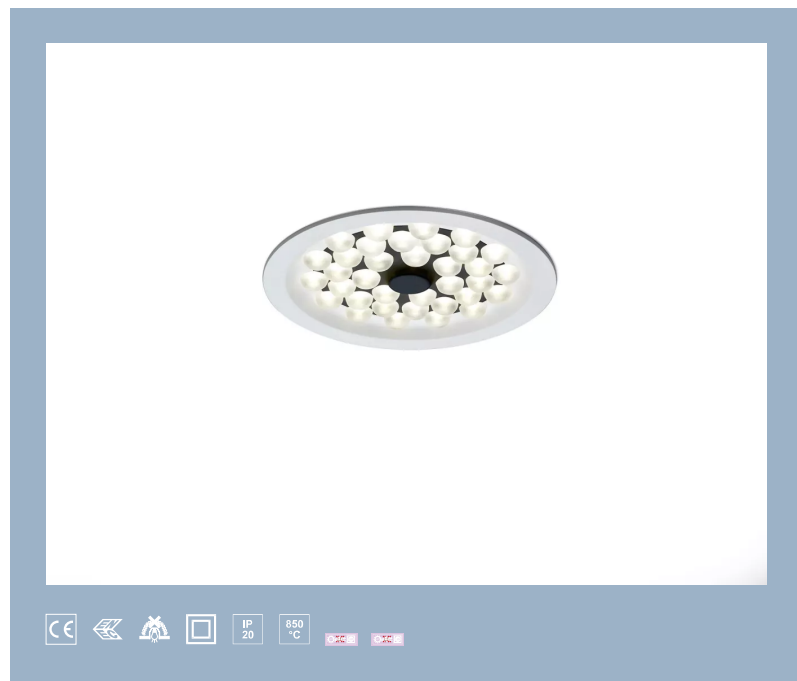


D42R1/LEDN3540D



inbouwarmatuur • rond

Toepassing : Algemene kantoorruimten, Algemene onderwijsruimten

behuizing: gelakt aluminium

lichtbron : led • 4000 K

optiek : LED+LENS™ • Polycarbonaat (PC) lens • breedstralend

UGR classificatie : <=22

lichtstroom: 4450 lm

efficiëntie : 127 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanische eigenschappen

afmetingen : 250 mm x 71 mm

inbouwmaat : 230 mm x 71 mm

kleur: RAL9003 - signaalwit

boord: opliggende boord

type : individueel armatuur

IP: IP20

Elektrische uitrusting

driver: DALI dimbaar

opgenomen vermogen : 35 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 1 UNLIMITED

current : 12 A

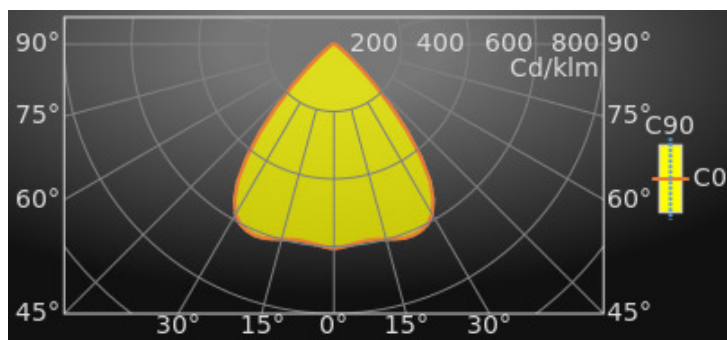
Luminantie

lichtstroom : 4450 lm

efficiëntie : 127 lm/W

UGR classificatie =: <=22

lichtgevende oppervlakte : 0.04 m²



Average Luminances (Cd/m²) for 4450lm

Gamma	C0	C30	C45	C60	C90
45°	31556	31556	31556	31556	31556
50°	13569	13569	13569	13569	13569
55°	6811	6811	6811	6811	6811
60°	4282	4282	4282	4282	4282
65°	3263	3263	3263	3263	3263
70°	2768	2768	2768	2768	2768
75°	2406	2406	2406	2406	2406
80°	2068	2068	2068	2068	2068
85°	1628	1628	1628	1628	1628

Classifications

CIE: 835 / 982 / 997 / 1000 / 1000

CIE FLUXCODE : 0.84 / 0.98 / 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 = 0.76

UTE: 1.00 B + 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

Lichtsterkten in cd

Intensity for 4450lm

Gamma	C0	C45	C90
0°	2699.4	2699.4	2699.4
5°	2657.4	2657.4	2657.4
10°	2629.2	2629.2	2629.2
15°	2665.6	2665.6	2665.6
20°	2724.0	2724.0	2724.0
25°	2719.9	2719.9	2719.9
30°	2592.4	2592.4	2592.4
35°	2213.1	2213.1	2213.1
40°	1519.3	1519.3	1519.3
45°	772.9	772.9	772.9
50°	302.1	302.1	302.1
55°	135.3	135.3	135.3
60°	74.2	74.2	74.2
65°	47.8	47.8	47.8
70°	32.8	32.8	32.8
75°	21.6	21.6	21.6
80°	12.4	12.4	12.4
85°	4.9	4.9	4.9
90°	1.5	1.5	1.5

UGR classificatie =

Corrected Glare Ratings for a Total Lamp Flux of 4450lm (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	20.9	22.4	21.2	22.6	22.9	20.9	22.4	21.2	22.6	22.9
Y = 3H	20.7	22.1	21.1	22.3	22.6	20.7	22.1	21.1	22.3	22.6
Y = 4H	20.7	21.9	21.0	22.2	22.5	20.7	21.9	21.0	22.2	22.5
Y = 6H	20.6	21.8	21.0	22.1	22.4	20.6	21.8	21.0	22.1	22.4
Y = 8H	20.6	21.7	21.0	22.0	22.3	20.6	21.7	21.0	22.0	22.3
Y = 12H	20.6	21.6	21.0	21.9	22.3	20.6	21.6	21.0	21.9	22.3
X = 4H Y = 2H	20.6	21.9	21.0	22.2	22.5	20.6	21.9	21.0	22.2	22.5
Y = 3H	20.6	21.6	21.0	21.9	22.3	20.6	21.6	21.0	21.9	22.3
Y = 4H	20.5	21.4	20.9	21.8	22.2	20.5	21.4	20.9	21.8	22.2
Y = 6H	20.5	21.3	20.9	21.7	22.1	20.5	21.3	20.9	21.7	22.1
Y = 8H	20.5	21.2	20.9	21.6	22.0	20.5	21.2	20.9	21.6	22.0
Y = 12H	20.5	21.1	20.9	21.5	22.0	20.5	21.1	20.9	21.5	22.0
X = 8H Y = 4H	20.5	21.2	20.9	21.6	22.0	20.5	21.2	20.9	21.6	22.0
Y = 6H	20.4	21.1	20.9	21.5	21.9	20.4	21.1	20.9	21.5	21.9
Y = 8H	20.4	21.0	20.9	21.4	21.9	20.4	21.0	20.9	21.4	21.9
Y = 12H	20.4	20.9	20.9	21.3	21.9	20.4	20.9	20.9	21.3	21.9
X = 12H Y = 4H	20.4	21.1	20.9	21.5	22.0	20.4	21.1	20.9	21.5	22.0
Y = 6H	20.4	20.9	20.9	21.4	21.9	20.4	20.9	20.9	21.4	21.9
Y = 8H	20.4	20.9	20.9	21.3	21.9	20.4	20.9	20.9	21.3	21.9
	UGR Variations with Observer Position for Luminaire Spacings S									
S = 1.0H	+2.8		-6.6			+2.8		-6.6		
S = 1.5H	+5.1		-8.2			+5.1		-8.2		
S = 2.0H	+7.1		-8.9			+7.1		-8.9		

Kleureigenschappen

Correlated Colour Temperature : 4000

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	109	107	106	103	101	100	99	98	97	92
2	100	96	94	95	92	90	92	89	88	83
3	91	87	83	87	83	81	85	81	79	75
4	84	78	74	80	76	73	78	74	72	68
5	77	71	67	74	69	66	72	68	65	62
6	71	65	60	69	63	60	67	62	59	56
7	66	59	55	64	58	54	62	57	54	52
8	61	55	50	59	54	50	58	53	49	47
9	57	50	46	55	50	46	54	49	45	43
10	53	47	42	52	46	42	51	45	42	40

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	65	58	62	56	63	57	61	56	55	50
0.80	77	70	72	67	74	68	71	66	66	61
1.00	85	77	79	73	81	75	77	72	72	67
1.25	94	88	86	82	90	84	84	81	80	76
1.50	99	93	90	86	94	89	88	85	84	80
2.00	106	100	95	91	99	95	92	90	89	85
2.50	111	106	98	95	103	99	95	93	92	88
3.00	115	110	100	98	106	103	98	96	95	91
4.00	118	114	102	100	108	106	99	98	96	93
5.00	121	117	103	102	110	108	100	99	98	94

Maatschets

