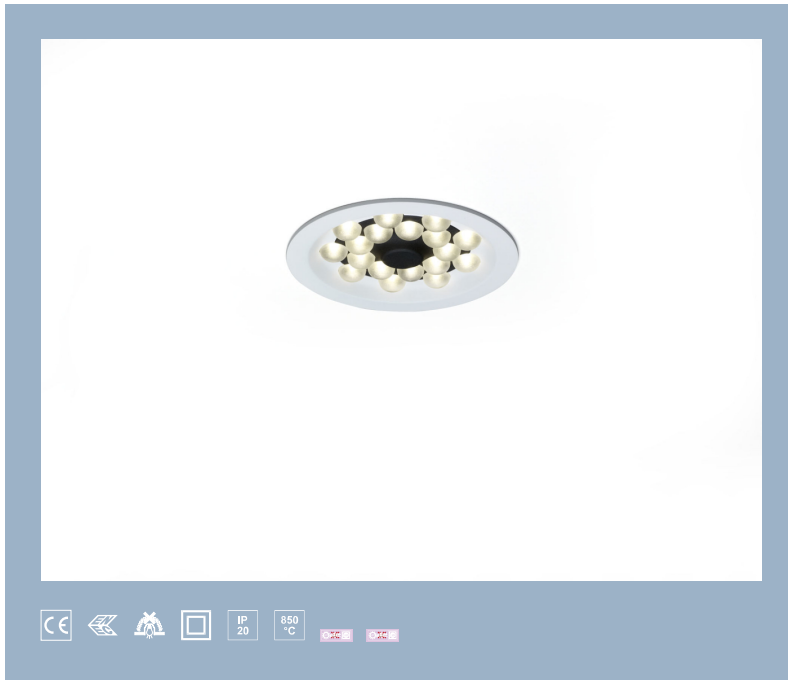


D42R1/LEDW1820S



inbouwarmatuur • rond

toepassing : Algemene kantoorruimten, Algemene onderwijsruimten

behuizing: gelakt aluminium

lichtbron : led • 3000 K

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

UGR classificatie : <=22

lichtstroom: 2100 lm

efficiëntie : 124 lm/W

LLMF: 98% @ 50khrs (Tq=25°C)

Product information

Mechanische eigenschappen

afmetingen : 200 mm x 70 mm

inbouwmaat : 180 mm x 70 mm

kleur: RAL9003-sigitaalwit

boord: opliggende boord

type : individueel armatuur

IP: IP20

Elektrische uitrusting

driver: niet-dimbaar

opgenomen vermogen : 17 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 1 UNLIMITED

current : 12 A

Luminantie

lichtstroom : 2100 lm

efficiëntie : 124 lm/W

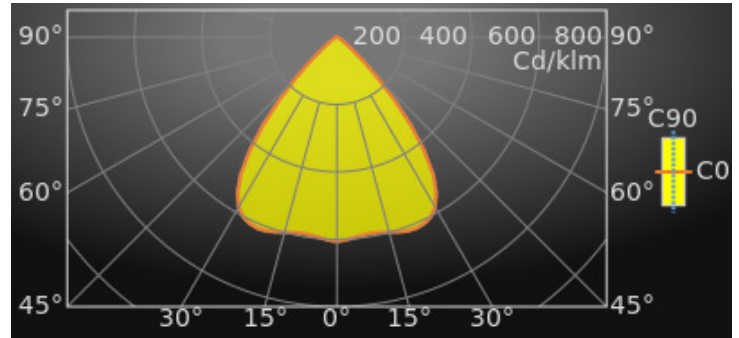
luminantie @ 65° <= : 3000 cd/m²

UGR classificatie <= : <=22

lichtgevende oppervlakte : 0.02 m²

Average Luminances (Cd/m²) for 2100lm

Gamma	C0	C30	C45	C60	C90
45°	25653	25653	25653	25653	25653
50°	11031	11031	11031	11031	11031
55°	5537	5537	5537	5537	5537
60°	3481	3481	3481	3481	3481
65°	2653	2653	2653	2653	2653
70°	2250	2250	2250	2250	2250
75°	1956	1956	1956	1956	1956
80°	1681	1681	1681	1681	1681
85°	1324	1324	1324	1324	1324



Classificaties

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	98	10
60	98	12

UGR classificatie <=

Corrected Glare Ratings for a Total Lamp Flux of 2100lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)														
	Ceiling	Walls	Floor	70	70	50	50	30	70	70	50	50	30		
	70	70	50	50	30	70	70	50	50	30	70	70	50	50	30
	50	30	50	30	30	50	30	50	30	50	30	50	30	50	30
	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Room Dimensions	Viewed Crosswise					Viewed Endwise									
X = 2H Y = 2H	20.1	21.6	20.4	21.9	22.1	20.1	21.6	20.4	21.9	22.1					
Y = 3H	20.0	21.4	20.3	21.6	21.9	20.0	21.4	20.3	21.6	21.9					
Y = 4H	20.0	21.2	20.3	21.5	21.8	20.0	21.2	20.3	21.5	21.8					
Y = 6H	19.9	21.0	20.3	21.3	21.7	19.9	21.0	20.3	21.3	21.7					
Y = 8H	19.9	21.0	20.3	21.3	21.6	19.9	21.0	20.3	21.3	21.6					
Y = 12H	19.9	20.9	20.2	21.2	21.5	19.9	20.9	20.2	21.2	21.5					
X = 4H Y = 2H	19.9	21.2	20.3	21.5	21.8	19.9	21.2	20.3	21.5	21.8					
Y = 3H	19.9	20.9	20.2	21.2	21.6	19.9	20.9	20.2	21.2	21.6					
Y = 4H	19.8	20.7	20.2	21.1	21.4	19.8	20.7	20.2	21.1	21.4					
Y = 6H	19.8	20.6	20.2	21.0	21.4	19.8	20.6	20.2	21.0	21.4					
Y = 8H	19.8	20.5	20.2	20.9	21.3	19.8	20.5	20.2	20.9	21.3					
Y = 12H	19.7	20.4	20.2	20.8	21.3	19.7	20.4	20.2	20.8	21.3					
X = 8H Y = 4H	19.7	20.5	20.2	20.9	21.3	19.7	20.5	20.2	20.9	21.3					
Y = 6H	19.7	20.3	20.2	20.8	21.2	19.7	20.3	20.2	20.8	21.2					
Y = 8H	19.7	20.2	20.2	20.7	21.2	19.7	20.2	20.2	20.7	21.2					
Y = 12H	19.7	20.2	20.2	20.6	21.2	19.7	20.2	20.2	20.6	21.2					
X = 12H Y = 4H	19.7	20.4	20.2	20.8	21.2	19.7	20.4	20.2	20.8	21.2					
Y = 6H	19.7	20.2	20.2	20.7	21.2	19.7	20.2	20.2	20.7	21.2					
Y = 8H	19.7	20.1	20.2	20.6	21.1	19.7	20.1	20.2	20.6	21.1					
UGR Variations with Observer Position for Luminaire Spacings S															
S = 1.0H	+2.8					-6.6									
S = 1.5H	+5.1					-8.2									
S = 2.0H	+7.1					-8.9									

Lichtsterkten in cd

Intensity for 2100lm

Gamma	C0	C45	C90
0°	1273.9	1273.9	1273.9
5°	1254.1	1254.1	1254.1
10°	1240.8	1240.8	1240.8
15°	1257.9	1257.9	1257.9
20°	1285.5	1285.5	1285.5
25°	1283.5	1283.5	1283.5
30°	1223.4	1223.4	1223.4
35°	1044.4	1044.4	1044.4
40°	717.0	717.0	717.0
45°	364.7	364.7	364.7
50°	142.6	142.6	142.6
55°	63.9	63.9	63.9
60°	35.0	35.0	35.0
65°	22.5	22.5	22.5
70°	15.5	15.5	15.5
75°	10.2	10.2	10.2
80°	5.9	5.9	5.9
85°	2.3	2.3	2.3
90°	0.7	0.7	0.7

Kleureigenschappen

Correlated Colour Temperature : 3000

Ra: 80



Rendement

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	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 (%)									
	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	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

