

R820R1/LEDW45S

opbouwarmatuur • langwerpig

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

lichtbron : LED LP • 3000 K

optiek : Diffusor • breedstralend

UGR classificatie : <=25

lichtstroom: 4550 lm

efficiëntie : 111 lm/W

LLMF: 92% @ 50khrs (Tq=25°C)



Mechanische eigenschappen

afmetingen : 1162 mm x 80 mm x 121 mm

kleur: RAL9003-signaalwit (structuurlak)

type : individueel armatuur

IP: IP20

Luminantie

lichtstroom : 4550 lm

efficiëntie : 111 lm/W

UGR classificatie: <=25

lichtgevende oppervlakte : 0.09 m²

Elektrische uitrusting

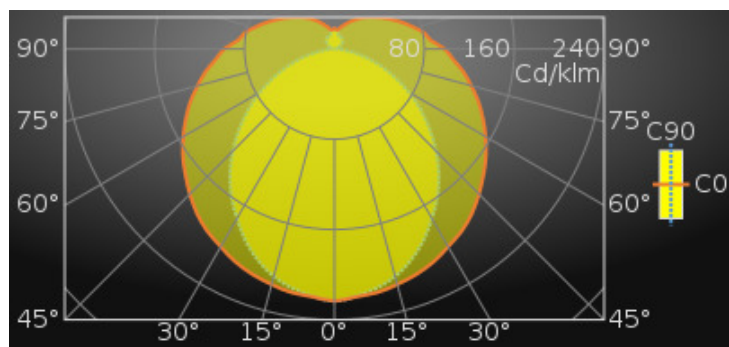
driver: niet-dimbaar

opgenomen vermogen : 41 W

spanning : 220-240V

frequentie : 50-60Hz AC

fotobiologische veiligheid : EN 62471: RISK GROUP 0 UNLIMITED



Average Luminances (Cd/m²) for 4550lm

Gamma	C0	C30	C45	C60	C90
45°	6431	6416	6449	6683	8914
50°	6153	6104	6102	6251	8498
55°	5924	5829	5756	5828	8054
60°	5702	5558	5447	5427	7537
65°	5513	5337	5173	5045	6982
70°	5352	5134	4945	4721	6363
75°	5185	4967	4754	4451	5586
80°	5075	4855	4604	4233	4680
85°	4946	4729	4478	4096	3285

R820R1/LEDW45S

Classificaties

CIE: 300 / 522 / 679 / 788 / 1000

CIE FLUXCODE : 0.38 / 0.66 / 0.86 / 0.79 / 1.00

BZ: BZ10/1.25/BZ5/1.5/BZ10

CAE: CAE 4/5°/CAE 3/25°/CAE 2/75°/CAE 3

DIN: B30 (Nach Arbeitsblatt 7 und 8)

DIN_U: Phi u = 0.79

DIN_SU: Phi su = 0.45

UTE: 0.79 H + 0.21 T

Lichtsterkten in cd

Lifetime Data (Tq=25.0°C)

Time(khrs)	LLMF(%)	Cx(%)
10	98	2
20	97	4
30	95	6
40	94	8
50	93	10
60	91	12

Intensity for 4550lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	1016.1	1016.1	1016.1	90°	446.3	290.4	5.5
5°	1003.2	1001.4	1000.8	95°	392.1	250.6	5.0
10°	997.0	988.2	979.8	100°	370.0	233.6	8.1
15°	983.2	967.4	949.9	105°	334.2	210.6	12.7
20°	967.9	938.6	906.3	110°	302.9	190.1	18.6
25°	947.8	900.5	852.1	115°	271.8	172.4	25.0
30°	920.8	858.6	788.9	120°	245.0	157.2	31.0
35°	897.2	813.2	727.0	125°	220.7	144.1	35.9
40°	865.9	763.0	658.6	130°	199.3	132.5	42.0
45°	827.7	710.0	580.9	135°	180.2	121.4	48.0
50°	788.1	658.5	503.4	140°	162.1	112.1	51.3
55°	749.2	603.8	425.7	145°	143.2	104.0	53.8
60°	706.5	550.8	347.3	150°	127.0	95.5	52.9
65°	663.7	499.3	271.9	155°	111.6	88.2	54.2
70°	620.6	451.2	200.6	160°	98.7	80.9	52.7
75°	573.8	405.2	133.2	165°	88.0	74.5	62.4
80°	530.3	361.8	74.9	170°	78.9	73.7	72.6
85°	482.4	319.4	26.4	175°	78.8	78.4	79.0
90°	446.3	290.4	5.5	180°	82.9	82.9	82.9

UGR classificatie

Corrected Glare Ratings for a Total Lamp Flux of 4550lm (S = 0.25H)

Room Dimensions	Room Reflection Factors (%)													
	Ceiling	Walls	Floor	70	70	50	50	30	30	70	70	50	50	30
	Viewed Crosswise					Viewed Endwise								
X = 2H Y = 2H	17.9	19.3	18.5	19.9	20.5	16.6	18.0	17.2	18.7	19.2				
Y = 3H	19.9	21.2	20.6	21.9	22.5	17.9	19.2	18.5	19.8	20.4				
Y = 4H	21.0	22.2	21.6	22.9	23.5	18.3	19.6	18.9	20.2	20.8				
Y = 6H	22.0	23.1	22.6	23.8	24.4	18.6	19.7	19.2	20.4	21.0				
Y = 8H	22.4	23.6	23.1	24.3	24.9	18.6	19.8	19.3	20.4	21.1				
Y = 12H	22.9	24.0	23.6	24.7	25.3	18.6	19.7	19.3	20.4	21.1				
X = 4H Y = 2H	18.4	19.6	19.0	20.3	20.9	17.4	18.6	18.0	19.3	19.9				
Y = 3H	20.7	21.8	21.3	22.4	23.1	18.9	20.0	19.6	20.7	21.3				
Y = 4H	21.9	22.9	22.6	23.6	24.2	19.5	20.5	20.2	21.2	21.8				
Y = 6H	23.1	24.0	23.8	24.7	25.4	19.9	20.8	20.6	21.5	22.2				
Y = 8H	23.7	24.5	24.4	25.2	25.9	20.1	20.9	20.8	21.6	22.3				
Y = 12H	24.2	25.0	25.0	25.7	26.5	20.1	20.9	20.8	21.6	22.3				
X = 8H Y = 4H	22.1	23.0	22.9	23.7	24.4	20.1	21.0	20.9	21.7	22.4				
Y = 6H	23.6	24.3	24.3	25.1	25.8	20.9	21.6	21.6	22.3	23.1				
Y = 8H	24.3	25.0	25.1	25.7	26.5	21.1	21.8	21.9	22.6	23.3				
Y = 12H	25.1	25.7	25.9	26.5	27.2	21.3	21.9	22.1	22.7	23.4				
X = 12H Y = 4H	22.1	22.9	22.9	23.7	24.4	20.3	21.1	21.0	21.8	22.5				
Y = 6H	23.7	24.3	24.4	25.1	25.8	21.2	21.8	21.9	22.6	23.3				
Y = 8H	24.5	25.1	25.3	25.9	26.6	21.6	22.1	22.3	22.9	23.7				
UGR Variations with Observer Position for Luminaire Spacings S														
S = 1.0H	+0.1		-0.1		+0.1		-0.1							
S = 1.5H	+0.2		-0.2		+0.1		-0.2							
S = 2.0H	+0.2		-0.3		+0.3		-0.4							

R820R1/LEDW45S

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	94	90	88	81	79	77	74	72	70	60
2	81	75	70	69	65	62	63	59	56	48
3	70	63	58	60	55	51	55	50	47	39
4	62	54	48	53	47	43	48	43	39	33
5	55	47	41	48	41	37	43	38	34	28
6	50	41	35	43	36	32	39	34	29	24
7	45	36	31	39	32	28	36	30	26	22
8	41	33	27	36	29	25	33	27	23	19
9	37	29	24	33	26	22	30	25	21	17
10	34	27	22	30	24	20	28	22	19	15

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	41	32	39	31	36	29	35	28	26	19
0.80	51	41	48	39	44	37	42	36	33	25
1.00	59	49	55	46	51	43	48	42	39	30
1.25	67	57	62	54	58	51	55	49	45	36
1.50	74	64	67	59	63	56	59	54	50	40
2.00	82	73	74	67	70	64	65	60	56	46
2.50	89	80	79	72	76	70	70	65	61	51
3.00	94	86	82	77	80	74	74	69	65	54
4.00	100	93	86	82	84	80	77	74	68	58
5.00	104	98	89	85	88	84	80	77	72	61

Maatschets

