

# R810R1/LEDW15D

opbouwarmatuur • langwerpig

*toepassing* : kantoor, gezondheidszorg, onderwijs, horeca, retail, vrije tijd

*lichtbron* : LED LP • 3000 K

*optiek* : Diffusor • HaloOptics® voor hoge efficiëntie • breedstralend

*UGR classificatie* : <=22

*lichtstroom*: 1450 lm

*efficiëntie* : 121 lm/W

*LLMF*: 98% @ 50khrs (Tq=25°C)



## Mechanische eigenschappen

*afmetingen* : 787 mm x 80 mm x 121 mm

*kleur*: RAL9003-sigitaalwit (structuurlak)

*type* : individueel armatuur

## Luminantie

*lichtstroom* : 1450 lm

*efficiëntie* : 121 lm/W

*UGR classificatie*: <=22

*lichtgevende oppervlakte* : 0.06 m<sup>2</sup>

## Elektrische uitrusting

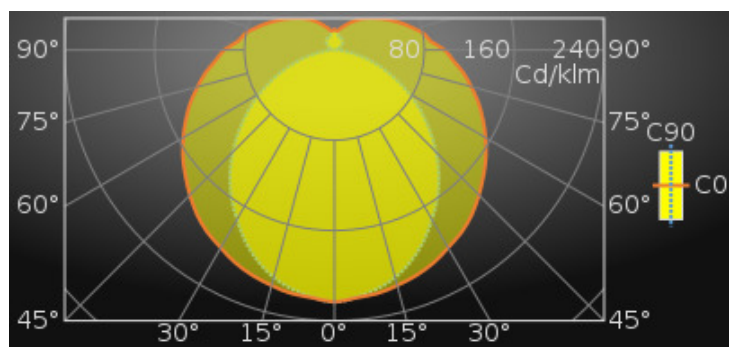
*driver*: DALI dimbaar

*opgenomen vermogen* : 12 W

*spanning* : 220-240V

*frequentie* : 50-60Hz AC

*fotobiologische veiligheid* : IEC/TR 62778: RG 0



Average Luminances (Cd/m<sup>2</sup>) for 1450lm

Gamma	C0	C30	C45	C60	C90
45°	3035	3027	3043	3154	4206
50°	2904	2881	2879	2950	4010
55°	2795	2751	2716	2750	3800
60°	2691	2623	2570	2561	3557
65°	2602	2519	2441	2381	3295
70°	2526	2423	2334	2228	3003
75°	2447	2344	2243	2100	2636
80°	2395	2291	2173	1997	2208
85°	2334	2231	2113	1933	1550

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## 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

DIN\_SO: Phi so = 0.42

UTE: 0.79 H + 0.21 T

## Lichtsterkten in cd

Lifetime Data (Tq=25.0°C)

Time (khrs)	LLMF	LSF
10.0	1.00	0.98
20.0	0.99	0.96
30.0	0.99	0.94
40.0	0.99	0.92
50.0	0.98	0.90
60.0	0.98	0.88

Intensity for 1450lm

Gamma	C0	C45	C90	Gamma	C0	C45	C90
0°	323.8	323.8	323.8	90°	142.2	92.5	1.7
5°	319.7	319.1	318.9	95°	125.0	79.9	1.6
10°	317.7	314.9	312.3	100°	117.9	74.5	2.6
15°	313.3	308.3	302.7	105°	106.5	67.1	4.1
20°	308.4	299.1	288.8	110°	96.5	60.6	5.9
25°	302.1	287.0	271.6	115°	86.6	54.9	8.0
30°	293.4	273.6	251.4	120°	78.1	50.1	9.9
35°	285.9	259.2	231.7	125°	70.3	45.9	11.5
40°	275.9	243.2	209.9	130°	63.5	42.2	13.4
45°	263.8	226.3	185.1	135°	57.4	38.7	15.3
50°	251.2	209.8	160.4	140°	51.7	35.7	16.4
55°	238.7	192.4	135.7	145°	45.6	33.1	17.2
60°	225.2	175.5	110.7	150°	40.5	30.4	16.9
65°	211.5	159.1	86.7	155°	35.6	28.1	17.3
70°	197.8	143.8	63.9	160°	31.5	25.8	16.8
75°	182.8	129.1	42.5	165°	28.1	23.8	19.9
80°	169.0	115.3	23.9	170°	25.1	23.5	23.1
85°	153.7	101.8	8.4	175°	25.1	25.0	25.2
90°	142.2	92.5	1.7	180°	26.4	26.4	26.4

## UGR classificatie

Corrected Glare Ratings for a Total Lamp Flux of 1450lm (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	50	30
		Floor	20	20	20	20	20	20	20	20	20	20	20	20
Room Dimensions		Viewed Crosswise					Viewed Endwise							
X = 2H	Y = 2H	15.3	16.7	15.8	17.3	17.9	14.0	15.4	14.6	16.0	16.6			
	Y = 3H	17.3	18.6	17.9	19.3	19.9	15.2	16.6	15.9	17.2	17.8			
	Y = 4H	18.4	19.6	19.0	20.3	20.9	15.7	16.9	16.3	17.6	18.2			
	Y = 6H	19.3	20.5	20.0	21.2	21.8	16.0	17.1	16.6	17.8	18.4			
	Y = 8H	19.8	21.0	20.5	21.6	22.3	16.0	17.2	16.7	17.8	18.5			
	Y = 12H	20.3	21.4	21.0	22.1	22.7	16.0	17.1	16.7	17.8	18.4			
X = 4H	Y = 2H	15.7	17.0	16.4	17.6	18.3	14.8	16.0	15.4	16.7	17.3			
	Y = 3H	18.1	19.1	18.7	19.8	20.5	16.3	17.4	16.9	18.0	18.7			
	Y = 4H	19.3	20.2	19.9	20.9	21.6	16.9	17.9	17.6	18.6	19.2			
	Y = 6H	20.5	21.4	21.2	22.1	22.8	17.3	18.2	18.0	18.9	19.6			
	Y = 8H	21.1	21.9	21.8	22.6	23.3	17.4	18.3	18.2	19.0	19.7			
	Y = 12H	21.6	22.4	22.3	23.1	23.8	17.5	18.3	18.2	19.0	19.7			
X = 8H	Y = 4H	19.5	20.4	20.3	21.1	21.8	17.5	18.4	18.3	19.1	19.8			
	Y = 6H	21.0	21.7	21.7	22.5	23.2	18.3	19.0	19.0	19.7	20.5			
	Y = 8H	21.7	22.4	22.5	23.1	23.9	18.5	19.2	19.3	19.9	20.7			
	Y = 12H	22.5	23.1	23.3	23.8	24.6	18.7	19.3	19.5	20.1	20.8			
	X = 12H	Y = 4H	19.5	20.3	20.3	21.1	21.8	17.7	18.4	18.4	19.2	19.9		
	Y = 6H	21.1	21.7	21.8	22.5	23.2	18.6	19.2	19.3	20.0	20.7			
	Y = 8H	21.9	22.5	22.7	23.2	24.0	19.0	19.5	19.7	20.3	21.1			
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									

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## 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

