Radix

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Product configuration: P624
P624: 600x600-Neutral White - UGR<19-DALI

Product code
P624: 600x600-Neutral White - UGR<19-DALI **Attention! Code no longer in production**

Technical description
Recessed direct emission luminaire designed to use Neutral White colour 4,000K LEDs and be installed in 625x625 mm modular false ceilings. Optical assembly with a white painted, extruded aluminium, tapered frame and a set back microprismatic screen for controlled luminance with a UGR<19 L<3000 cd/m2 α≥ 65° beam, ideal for environments with video terminals. Product complete with DALI ballast.

Installation
recessed in 625x625 mm modular false ceilings

Colour
White (01)

Mounting
ceiling surface

Wiring
product complete with DALI components.
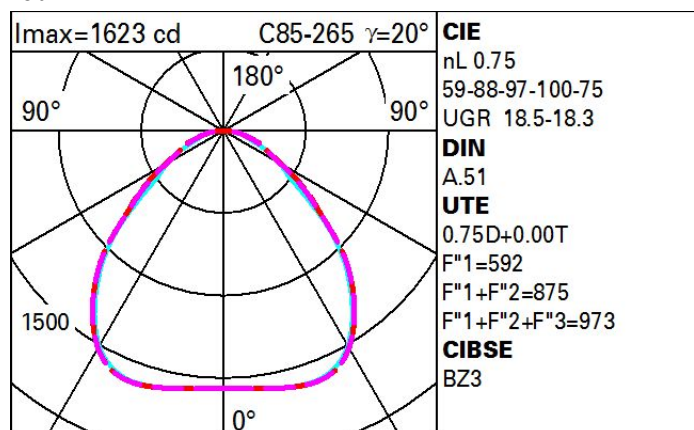
Complies with EN60598-1 and pertinent regulations

IP20   IP43   On the visible part of the product once installed   CE   ⬡03
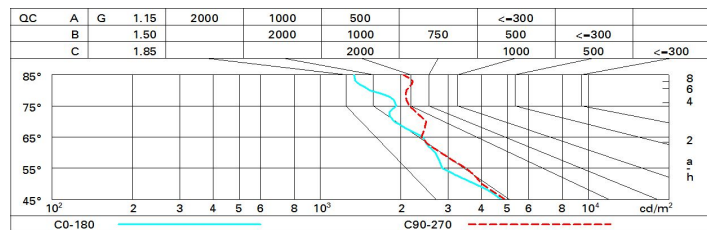
Technical data

lm system:	3899.5	Colour temperature [K]:	4000
W system:	33.4	MacAdam Step:	3
lm source:	5200	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	28	Ballast losses [W]:	5.4
Luminous efficiency (lm/W, real value):	116.8	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	75	Number of optical assemblies:	1
CRI:	80	Control:	DALI

Polar

Imax=1623 cd   C85-265 γ=20°

CIE
nL 0.75
59-88-97-100-75
UGR 18.5-18.3
DIN
A.51
UTE
0.75D+0.00T
F"1=592
F"1+F"2=875
F"1+F"2+F"3=973
CIBSE
BZ3

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	53	46	41	38	45	41	40	36	48
1.0	58	52	47	44	51	46	46	41	55
1.5	65	60	56	53	59	55	55	50	67
2.0	69	65	62	59	64	61	60	56	75
2.5	72	68	66	63	67	64	64	60	80
3.0	73	71	68	66	69	67	66	62	83
4.0	75	73	71	69	71	70	69	65	87
5.0	76	74	73	71	73	71	70	67	89

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ———————
C90-270 -------------

UGR diagram

Corrected UGR values (at 5200 lm bare lamp luminous flux)										
Riflect.:										
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim			viewed					viewed			
x	y		crosswise					endwise			
2H	2H	16.1	17.1	16.4	17.4	17.7	16.3	17.3	16.6	17.6	17.8
	3H	16.9	17.8	17.2	18.1	18.4	16.5	17.5	16.9	17.8	18.1
	4H	17.2	18.1	17.6	18.4	18.7	16.6	17.5	17.0	17.8	18.1
	6H	17.5	18.3	17.9	18.6	19.0	16.6	17.4	17.0	17.7	18.1
	8H	17.6	18.4	18.0	18.7	19.1	16.6	17.4	17.0	17.7	18.1
	12H	17.6	18.4	18.0	18.7	19.1	16.6	17.3	17.0	17.7	18.0
4H	2H	16.4	17.3	16.8	17.6	17.9	17.5	18.4	17.9	18.7	19.0
	3H	17.4	18.2	17.8	18.5	18.9	17.9	18.7	18.3	19.0	19.4
	4H	17.9	18.6	18.3	19.0	19.4	18.1	18.8	18.5	19.1	19.5
	6H	18.4	19.0	18.8	19.4	19.8	18.2	18.8	18.7	19.2	19.6
	8H	18.5	19.0	19.0	19.5	19.9	18.3	18.8	18.7	19.2	19.7
	12H	18.6	19.1	19.1	19.5	20.0	18.3	18.8	18.8	19.2	19.7
8H	4H	18.1	18.6	18.6	19.1	19.5	18.9	19.4	19.3	19.8	20.3
	6H	18.8	19.2	19.2	19.6	20.1	19.1	19.5	19.6	20.0	20.5
	8H	19.0	19.4	19.5	19.8	20.3	19.2	19.6	19.7	20.1	20.6
	12H	19.1	19.4	19.6	19.9	20.5	19.3	19.6	19.8	20.1	20.6
12H	4H	18.1	18.6	18.6	19.0	19.5	19.0	19.5	19.5	19.9	20.4
	6H	18.8	19.2	19.3	19.6	20.1	19.3	19.7	19.8	20.2	20.7
	8H	19.1	19.4	19.6	19.9	20.4	19.4	19.8	19.9	20.2	20.8

Variations with the observer position at spacing:

S =	1.0H	0.3 / -0.4	0.3 / -0.4
	1.5H	0.7 / -0.8	0.6 / -0.8
	2.0H	1.3 / -1.1	1.3 / -1.1