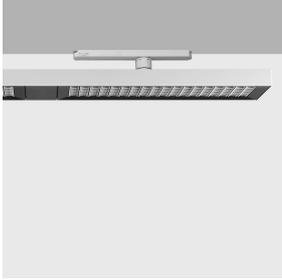## Spacepad

Last information update: April 2025

Product configuration: RT71.S3

RT71.S3: Luminaire L=880 - Integrated DALI - Very Wide Flood (Down) optic - UGR<19 - 33.5W 4828.5lm - 3500K - CRI 90 - White/Black/Black Transparent

Product code

RT71.S3: Luminaire L=880 - Integrated DALI - Very Wide Flood (Down) optic - UGR<19 - 33.5W 4828.5lm - 3500K - CRI 90 - White/Black/Black Transparent

Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI dimmable power supply with 3500K CRI90 direct emission monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors (L≤3000 cd/m²).

Installation

For an electrified track

Colour	Weight (Kg)
White/Black/Black Transparent (S3)	2.73

Mounting

dali track|three circuit track

Complies with EN60598-1 and pertinent regulations
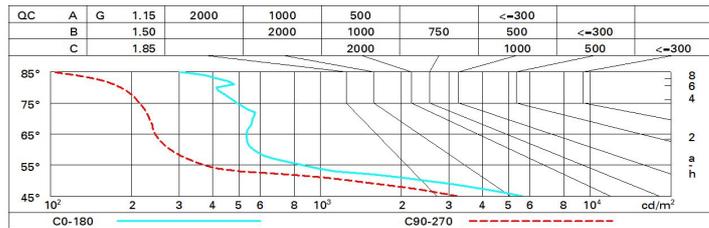
IP20   CE   UKCA   QCERT   pending
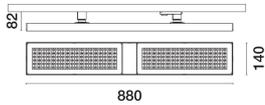
Technical data

lm system:	4875	Lamp code:	LED
W system:	35	Number of lamps for optical assembly:	1
lm source:	6250		
W source:	35	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	139.3	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	10 A / - µs
Light Output Ratio (L.O.R.) [%]:	78	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
CRI (minimum):	90		
Colour temperature [K]:	3500	Minimum dimming %:	1
MacAdam Step:	3	Overvoltage protection:	2kV Common mode & 1kV Differential mode
		Control:	DALI-2

Polar


```
Imax=3723 cd        C35-215 γ=15°
          180°
90°              90°

  4000

           0°
```

CIE
nL 0.78
89-99-100-100-78
UGR 14.2-13.3
DIN
A.61
UTE
0.78A+0.00T
F"1=889
F"1+F"2=987
F"1+F"2+F"3=997
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 | L<1500 cd/mq @
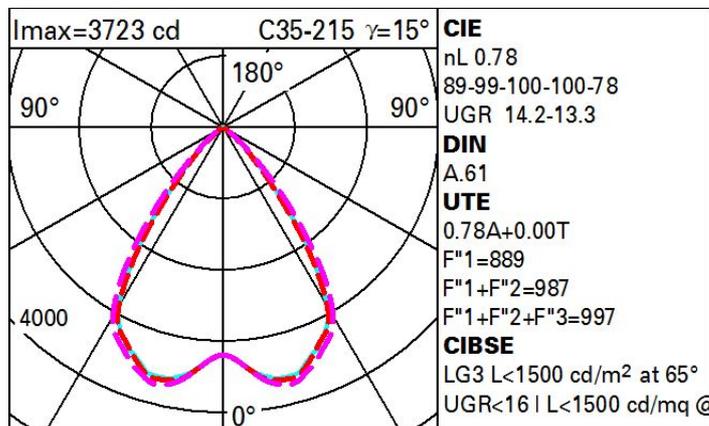
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	66	62	59	56	61	58	58	55	70
1.0	70	66	63	61	65	62	62	59	76
1.5	75	72	69	67	71	69	68	65	84
2.0	78	75	74	72	74	73	72	69	89
2.5	79	78	76	75	76	75	74	72	92
3.0	81	79	78	77	78	77	76	74	94
4.0	82	81	80	79	79	79	77	75	96
5.0	82	82	81	80	80	79	78	76	97

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 6250 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	14.6	15.3	14.9	15.6	15.8	13.8	14.5	14.1	14.7	15.0
	3H	14.5	15.2	14.8	15.4	15.7	13.6	14.3	14.0	14.6	14.8
	4H	14.5	15.1	14.8	15.4	15.7	13.6	14.2	13.9	14.5	14.8
	6H	14.4	15.0	14.8	15.3	15.6	13.5	14.0	13.9	14.4	14.7
	8H	14.4	14.9	14.8	15.2	15.6	13.5	14.0	13.8	14.3	14.7
	12H	14.4	14.9	14.7	15.2	15.6	13.4	13.9	13.8	14.3	14.6
4H	2H	14.4	15.0	14.8	15.3	15.6	13.6	14.2	13.9	14.5	14.8
	3H	14.3	14.8	14.7	15.2	15.5	13.5	14.0	13.9	14.3	14.7
	4H	14.3	14.7	14.7	15.1	15.5	13.4	13.8	13.8	14.2	14.6
	6H	14.2	14.6	14.6	15.0	15.4	13.3	13.7	13.7	14.1	14.5
	8H	14.2	14.5	14.6	14.9	15.4	13.3	13.6	13.7	14.0	14.5
	12H	14.1	14.5	14.6	14.9	15.4	13.2	13.5	13.7	14.0	14.4
8H	4H	14.1	14.5	14.6	14.9	15.3	13.3	13.7	13.7	14.1	14.5
	6H	14.1	14.4	14.6	14.8	15.3	13.2	13.5	13.7	14.0	14.4
	8H	14.1	14.3	14.5	14.8	15.3	13.2	13.4	13.7	13.9	14.4
	12H	14.0	14.2	14.5	14.7	15.2	13.1	13.4	13.6	13.8	14.4
12H	4H	14.1	14.4	14.5	14.8	15.3	13.3	13.6	13.7	14.0	14.5
	6H	14.0	14.3	14.5	14.8	15.2	13.2	13.4	13.7	13.9	14.4
	8H	14.0	14.2	14.5	14.7	15.2	13.2	13.4	13.7	13.9	14.4

Variations with the observer position at spacing:

S =	1.0H	3.6 / -8.7	3.8 / -9.6
	1.5H	6.3 / -9.7	6.2 / -10.3
	2.0H	8.3 / -10.3	8.2 / -10.6