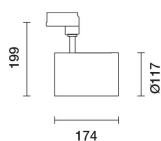


Last information update: May 2025

**Product configuration: 7927.01**

7927.01: body Ø 117 mm - very wide flood optic - DALI - 28.5W 3439lm - 3000K - CRI 90 - White



**Product code**

7927.01: body Ø 117 mm - very wide flood optic - DALI - 28.5W 3439lm - 3000K - CRI 90 - White

**Technical description**

Adjustable spotlight with adapter for installation on a mains voltage track. Luminaire made of die-cast aluminium. Spotlight double adjustability allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. Built-in dimmable DALI ballast. Luminaire complete with C.O.B. technology LED unit in warm white colour 3000K. Anti-scratch reflector made of P.V.D (physical vapour deposition) aluminium that can provide optimum performance in terms of light efficiency. very wide flood optic. Possibility of installing a flat accessory, like a glass cover or an elliptical distribution refractor.

**Installation**

On an electrified track or special base

**Colour**  
White (01)

**Weight (Kg)**  
1.17

**Mounting**

three circuit track

**Wiring**

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations



**Technical data**

Im system:	3439	MacAdam Step:	2
W system:	28.5	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	3620	Lamp code:	LED
W source:	25	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	120.7	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	95	Inrush current:	18 A / 250 µs
Beam angle [°]:	52°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Rf (Colour Fidelity Index):	92	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Rg (Gamut Index):	99	Control:	DALI-2
Colour temperature [K]:	3000		

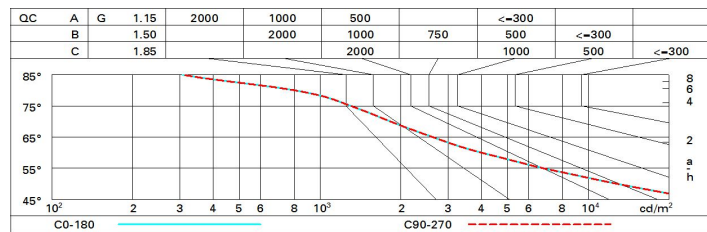
**Polar**

<p>Imax=5022 cd 90° 180° 90° 4500 0° α=52°</p>	<p><b>CIE</b> nL 0.95 97-100-100-100-95 UGR 18.2-18.2 <b>DIN</b> A.61 <b>UTE</b> 0.95A+0.00T F*1=969 F*1+F*2=997 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L&lt;3000 cd/m² at 65° UGR&lt;19   L&lt;3000 cd/mq @65°</p>				<p><b>Lux</b></p>			
	h	d	Em	Emax				
	2	2	959	1256				
	4	3.9	240	314				
	6	5.9	107	140				
	8	7.8	60	78				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	85	80	76	74	79	76	76	72	76
1.0	88	84	81	79	83	81	80	77	81
1.5	93	90	88	86	89	87	86	83	87
2.0	96	94	92	91	93	91	90	87	92
2.5	98	96	95	94	95	94	93	90	95
3.0	99	98	97	96	97	96	94	92	97
4.0	101	100	99	98	98	97	96	94	99
5.0	101	101	100	100	99	98	97	95	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 3620 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	18.8	19.4	19.0	19.6	19.8	18.8	19.4	19.0	19.6	19.8
	3H	18.6	19.2	18.9	19.4	19.7	18.6	19.2	18.9	19.4	19.7
	4H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	6H	18.5	19.0	18.8	19.3	19.6	18.5	19.0	18.8	19.3	19.6
	8H	18.5	18.9	18.8	19.2	19.6	18.5	18.9	18.8	19.2	19.6
	12H	18.4	18.8	18.8	19.2	19.5	18.4	18.8	18.8	19.2	19.5
4H	2H	18.6	19.1	18.9	19.4	19.7	18.6	19.1	18.9	19.4	19.7
	3H	18.4	18.9	18.8	19.2	19.5	18.4	18.9	18.8	19.2	19.5
	4H	18.3	18.7	18.7	19.1	19.5	18.3	18.7	18.7	19.1	19.5
	6H	18.3	18.6	18.7	19.0	19.4	18.3	18.6	18.7	19.0	19.4
	8H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	12H	18.2	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.3
8H	4H	18.2	18.5	18.7	18.9	19.4	18.2	18.5	18.7	18.9	19.4
	6H	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.8	19.3
	8H	18.1	18.3	18.6	18.7	19.2	18.1	18.3	18.6	18.7	19.2
	12H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
12H	4H	18.2	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.3
	6H	18.1	18.3	18.6	18.7	19.2	18.1	18.3	18.6	18.7	19.2
	8H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.7	19.2
Variations with the observer position at spacing:											
S =	1.0H	5.5 / -10.6					5.5 / -10.6				
	1.5H	8.3 / -13.6					8.3 / -13.6				
	2.0H	10.3 / -15.0					10.3 / -15.0				