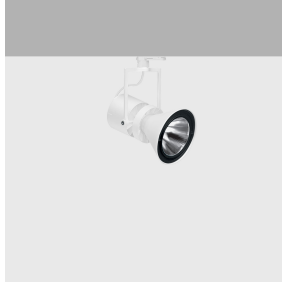


Last information update: April 2024

Product configuration: P270

P270: Large body spotlight - warm white - DALI - WIDE-FLOOD

**Product code**

P270: Large body spotlight - warm white - DALI - WIDE-FLOOD

Technical description

Adjustable spotlight with adapter for installation on an electrified DALI track. High yield LED lamp with high color rendering index. Luminaire body made of die-cast aluminium and thermoplastic material. Swivel joints allow the spotlight to be rotated by 360° about the vertical axis and tilted by 90° tilting relative to the horizontal plane. Mechanical aiming locks fitted on both the spotlight and adapter allow rotation and tilting movements to be locked in position to ensure efficient light aiming even after the original installation or during maintenance. The optical assembly is equipped with an accessory holding ring designed to contain a flat accessory. Another external component can also be applied - asymmetric screen / directional flaps; the external accessories can rotate freely about the spotlight longitudinal axis. DALI dimmable power supply unit integrated in the spotlight body.

Installation

Installation on an electrified track.

Colour

White (01) | Grey / Black (74)

Weight (Kg)

2.25

Mounting

dali track

Wiring

Integrated DALI dimmer power supply unit.

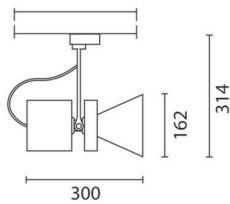
Complies with EN60598-1 and pertinent regulations



850°C

IP20

IP40

for optical
assembly**Technical data**

Im system:	4043	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	43.4	Lamp code:	LED
Im source:	5250	Number of lamps for optical assembly:	1
W source:	39	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	93.1	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	77	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	44°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

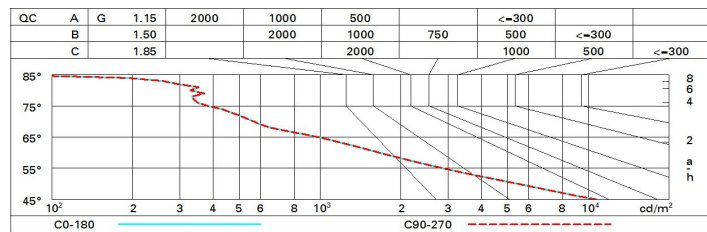
Polar

	CIE nL 0.77 98-100-100-100-77 UGR 11.7-11.7 DIN A.61 UTE 0.77A+0.00T F*1=983 F*1+F*2=999 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @65°				Lux h d Em Emax 2 1.6 1615 2003 4 3.2 404 501 6 4.8 179 223 8 6.4 101 125			

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	61	65	62	62	59	77
1.0	72	69	66	65	68	66	66	63	82
1.5	76	73	71	70	72	71	70	68	88
2.0	78	76	75	74	75	74	73	71	92
2.5	80	78	77	76	77	76	75	73	95
3.0	81	80	79	78	79	78	77	75	97
4.0	82	81	80	80	80	79	78	76	99
5.0	82	82	81	81	80	80	79	77	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5250 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	12.2	12.8	12.5	13.1	13.3	12.2	12.8	12.5	13.1	13.3
	3H	12.1	12.7	12.4	12.9	13.2	12.1	12.7	12.4	12.9	13.2
	4H	12.1	12.6	12.4	12.8	13.1	12.1	12.6	12.4	12.8	13.1
	6H	12.0	12.4	12.3	12.7	13.1	12.0	12.4	12.3	12.8	13.1
	8H	11.9	12.4	12.3	12.7	13.0	11.9	12.4	12.3	12.7	13.1
	12H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.3	12.7	13.0
4H	2H	12.1	12.6	12.4	12.8	13.1	12.1	12.6	12.4	12.8	13.1
	3H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.3	12.7	13.0
	4H	11.8	12.2	12.2	12.6	13.0	11.8	12.2	12.2	12.6	13.0
	6H	11.8	12.1	12.2	12.5	12.9	11.7	12.1	12.2	12.5	12.9
	8H	11.7	12.0	12.1	12.4	12.9	11.7	12.0	12.1	12.4	12.9
	12H	11.7	11.9	12.1	12.4	12.8	11.7	11.9	12.1	12.4	12.8
8H	4H	11.7	12.0	12.1	12.4	12.9	11.7	12.0	12.1	12.4	12.9
	6H	11.6	11.9	12.1	12.3	12.8	11.6	11.9	12.1	12.3	12.8
	8H	11.6	11.8	12.0	12.2	12.7	11.6	11.8	12.0	12.2	12.7
	12H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
12H	4H	11.7	11.9	12.1	12.4	12.8	11.7	11.9	12.1	12.4	12.8
	6H	11.6	11.8	12.0	12.2	12.7	11.6	11.8	12.0	12.2	12.7
	8H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
Variations with the observer position at spacing:											
S =	1.0H	4.9 / -9.3					4.9 / -9.3				
	1.5H	7.6 / -12.7					7.6 / -12.7				
	2.0H	9.6 / -15.2					9.6 / -15.2				