Tecnica

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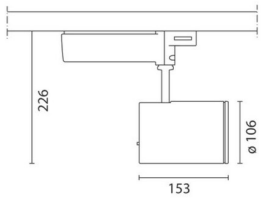
Last information update: June 2023

Product configuration: P276
P276: Medium body spotlight - Warm white - DALI ballast - wide flood optic

Product code
P276: Medium body spotlight - Warm white - DALI ballast - wide flood optic **Attention! Code no longer in production**

Technical description
Adjustable spotlight with adapter for installation on DALI mains electrified track for high output LED lamp with monochrome emission in a warm white colour. Wide flood optic. DALI ballast. The luminaire is made of die-cast aluminium and thermoplastic material, and allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks and graduated scales for both movements, operated using the same tool on two screws, one at the side of the rod and one on the adapter for the track. Spotlight equipped with accessory holding ring designed to contain a flat accessory. Another external component can also be applied, selected from an asymmetrical screen, an anti-glare screen and directional flaps. All external accessories rotate 360° about the spotlight longitudinal axis.



Installation
On a DALI electrified track

Colour
White (01) | Black (04)

Mounting
three circuit track

Wiring
DALI components housed in the luminaire.

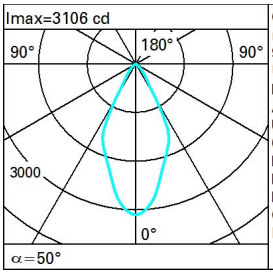
Complies with EN60598-1 and pertinent regulations

850°C IP20

Technical data

lm system:	2008.5	Colour temperature [K]:	3000
W system:	43	MacAdam Step:	3
lm source:	3000	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	39	Ballast losses [W]:	4
Luminous efficiency (lm/W, real value):	46.7	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.) [%]:	67	Number of optical assemblies:	1
Beam angle [°]:	50°	Control:	DALI
CRI:	80		

Polar



CIE
nL 0.67
92-99-100-100-67
UGR 15.0-15.0
DIN
A.61
UTE
0.67A+0.00T
F"1=920
F"1+F"2=992
F"1+F"2+F"3=1000
CIBSE
BZ1

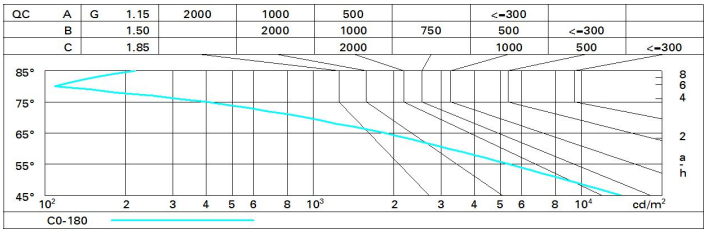
Lux

h	d	Em	Emax
2	1.9	550	777
4	3.7	137	194
6	5.6	61	86
8	7.5	34	49

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	52	50	54	51	51	49	73
1.0	61	58	55	54	57	55	55	52	78
1.5	65	62	60	59	62	60	59	57	85
2.0	67	65	64	63	64	63	62	60	90
2.5	69	67	66	65	66	65	64	62	93
3.0	70	69	68	67	67	67	66	64	95
4.0	71	70	69	68	69	68	67	65	97
5.0	71	70	70	69	69	69	68	66	98

Luminance curve limit



UGR diagram

Photometric curve code: MK690000.Q75
Corrected UGR values (at 3000 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 crosswise					viewed endwise		
x	y										
2H	2H	15.4	16.0	15.7	16.3	16.5	15.4	16.0	15.7	16.3	16.5
	3H	15.3	15.9	15.6	16.1	16.4	15.3	15.9	15.6	16.2	16.5
	4H	15.2	15.8	15.5	16.1	16.4	15.3	15.8	15.6	16.1	16.4
	6H	15.1	15.6	15.5	16.0	16.3	15.2	15.7	15.5	16.0	16.3
	8H	15.1	15.6	15.5	15.9	16.3	15.1	15.6	15.5	16.0	16.3
	12H	15.1	15.5	15.4	15.9	16.2	15.1	15.6	15.5	15.9	16.3
4H	2H	15.3	15.8	15.6	16.1	16.4	15.2	15.8	15.5	16.1	16.4
	3H	15.2	15.6	15.5	16.0	16.3	15.2	15.6	15.5	16.0	16.3
	4H	15.1	15.5	15.5	15.9	16.2	15.1	15.5	15.5	15.9	16.2
	6H	15.0	15.4	15.4	15.8	16.2	15.0	15.4	15.4	15.8	16.2
	8H	15.0	15.3	15.4	15.7	16.1	15.0	15.3	15.4	15.7	16.1
	12H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.1
8H	4H	15.0	15.3	15.4	15.7	16.1	15.0	15.3	15.4	15.7	16.1
	6H	14.9	15.1	15.3	15.6	16.1	14.9	15.1	15.3	15.6	16.1
	8H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
	12H	14.8	15.0	15.3	15.4	16.0	14.8	15.0	15.3	15.4	16.0
12H	4H	14.9	15.2	15.4	15.6	16.1	14.9	15.2	15.4	15.6	16.1
	6H	14.8	15.0	15.3	15.5	16.0	14.8	15.0	15.3	15.5	16.0
	8H	14.8	15.0	15.3	15.4	16.0	14.8	15.0	15.3	15.4	16.0

Variations with the observer position at spacing:

S =			
	1.0H	2.7 / -4.4	2.7 / -4.4
	1.5H	5.0 / -8.0	5.0 / -8.0
	2.0H	7.0 / -11.3	7.0 / -11.3