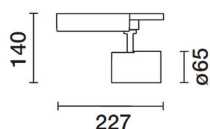


Last information update: May 2024

**Product configuration: P659**

P659: spotlight - neutral white - medium optic

**Product code**P659: spotlight - neutral white - medium optic **Attention! Code no longer in production****Technical description**

Adjustable spotlight with adapter for installation on DALI track. Neutral White (4000K) LED source with COB technology. DALI dimmable control gear housed inside the track-mounted power supply box. The luminaire is made of die-cast aluminium and thermoplastic. OPTI BEAM superpure aluminium reflector with high luminous efficacy and uniform distribution, medium optic. Features 90° inclination on the horizontal plane and 360° rotation around the vertical axis, with mechanical locking device for aiming. Passive cooling system. Possibility of installing a refractor, to be ordered separately, for elliptical light beam distribution.

**Installation**

The luminaire can be installed on a standard track, false ceilings or on an appropriate channel incorporating an electrified track.

**Colour**

White (01) | Black (04)

**Weight (Kg)**

0.68

**Mounting**

three circuit track|ceiling surface

**Wiring**

product inclusive of DALI dimmable components incorporated into the track-mounted box.

Complies with EN60598-1 and pertinent regulations

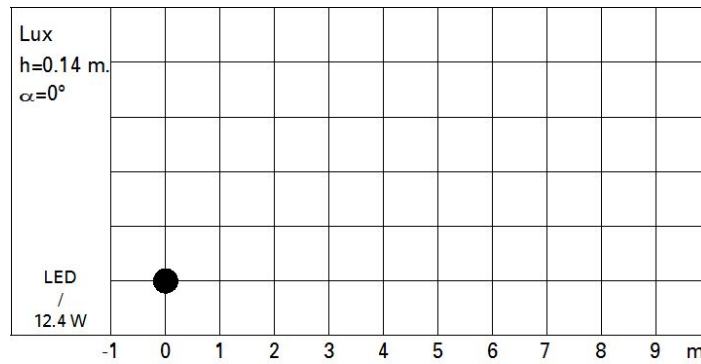
**Technical data**

lm system:	1184	CRI:	80
W system:	12.4	Colour temperature [K]:	4000
lm source:	1600	MacAdam Step:	2
W source:	11	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	95.5	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.) [%]:	74	Number of optical assemblies:	1
Beam angle [°]:	26°	Control:	DALI

**Polar**

Imax=5105 cd		Lux				
90°	180°	90°	h	d	Em	Emax
			2	0.9	1019	1276
			4	1.8	255	319
			6	2.8	113	142
			8	3.7	64	80
α=26°						

### Isolux



### UGR diagram

Corrected UGR values (at 1000 lm bare lamp luminous flux)											
Reflect.:											
ceiling		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	5.9	8.1	6.3	8.4	8.7	5.9	8.1	6.3	8.4	8.7
	3H	5.9	7.6	6.3	7.9	8.3	5.9	7.6	6.3	7.9	8.2
	4H	5.9	7.3	6.3	7.6	8.0	5.9	7.3	6.3	7.6	8.0
	6H	5.9	6.9	6.3	7.3	7.6	5.9	6.9	6.3	7.3	7.6
	8H	5.8	6.9	6.2	7.2	7.6	5.8	6.9	6.2	7.2	7.6
	12H	5.8	6.8	6.2	7.2	7.6	5.8	6.8	6.2	7.2	7.6
4H	2H	5.9	7.3	6.3	7.6	8.0	5.9	7.3	6.3	7.6	8.0
	3H	6.0	7.0	6.4	7.4	7.7	5.9	7.0	6.3	7.3	7.7
	4H	5.9	6.9	6.3	7.3	7.7	5.9	6.9	6.3	7.3	7.7
	6H	5.5	7.2	6.0	7.6	8.1	5.5	7.2	6.0	7.7	8.1
	8H	5.4	7.3	5.9	7.7	8.2	5.4	7.3	5.9	7.8	8.3
	12H	5.3	7.2	5.8	7.7	8.2	5.3	7.3	5.8	7.7	8.3
8H	4H	5.4	7.3	5.9	7.8	8.3	5.4	7.3	5.9	7.7	8.2
	6H	5.3	7.1	5.8	7.6	8.1	5.3	7.1	5.8	7.6	8.1
	8H	5.3	6.9	5.8	7.4	7.9	5.3	6.9	5.8	7.4	7.9
	12H	5.4	6.4	5.9	6.9	7.5	5.4	6.4	5.9	6.9	7.5
12H	4H	5.3	7.3	5.8	7.7	8.3	5.3	7.2	5.8	7.7	8.2
	6H	5.3	6.9	5.8	7.4	7.9	5.3	6.9	5.8	7.4	7.9
	8H	5.4	6.4	5.9	6.9	7.5	5.4	6.4	5.9	6.9	7.5
Variations with the observer position at spacing:											
S =		1.0H	4.4 / -3.3				4.4 / -3.3				
		1.5H	7.0 / -5.2				7.0 / -5.2				
		2.0H	8.9 / -7.3				8.9 / -7.3				