Tecnica Pro

Design iGuzzini **iGuzzini**

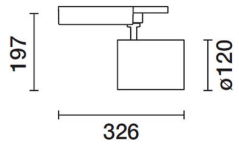
Last information update: June 2018

DALI dimmable spotlight - warm white flood optic

Product code
P700

Technical description
Adjustable spotlight with adapter for installation on DALI track for LED source with COB technology, Warm White (3000K) emission. Electronic 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, flood 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 DALI track or on an appropriate channel incorporating an electrified track.



Dimension (mm)
Ø120x197

Colour
White (01) | Black (04)

Weight (Kg)
1.82

Mounting
three circuit track|ceiling surface

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

Complies with EN60598-1 and pertinent regulations

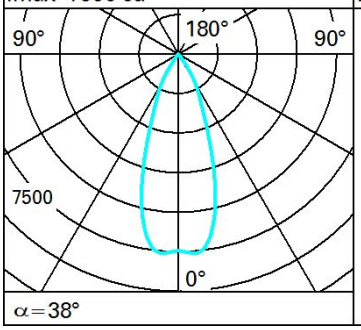
IP20 IP40 for optical assembly

Product configuration: P700

Product characteristics
Total lighting output [Lm]: 3471
Total power [W]: 35.7
Luminous efficacy [Lm/W]: 97.2
Life Time: > 50,000h - L80 - B10 (Ta 25°C)
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1
Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 33
Nominal luminous [Lm]: 4400
Lamp maximum intensity [cd]: /
Beam angle [°]: 38°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.7
Colour temperature [K]: 3000
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 2

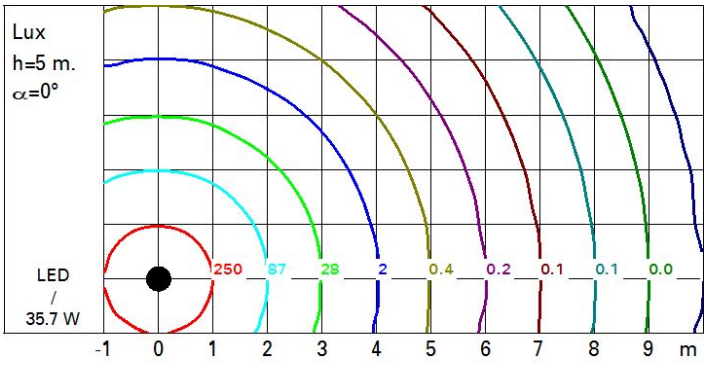
Polar



Lux

h	d	Em	Emax
2	1.4	1541	1876
4	2.8	385	469
6	4.1	171	208
8	5.5	96	117

Isolux



UGR diagram

Corrected UGR values (at 4400 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	16.0	16.6	16.3	16.8	17.1	16.0	16.6	16.3	16.8	17.1
	3H	15.9	16.4	16.2	16.7	17.0	15.9	16.4	16.2	16.7	17.0
	4H	15.8	16.3	16.1	16.6	16.9	15.8	16.3	16.2	16.6	16.9
	6H	15.7	16.2	16.1	16.5	16.8	15.7	16.2	16.1	16.5	16.8
	8H	15.7	16.1	16.1	16.5	16.8	15.7	16.1	16.1	16.5	16.8
	12H	15.7	16.1	16.0	16.4	16.8	15.7	16.1	16.0	16.4	16.8
4H	2H	15.8	16.3	16.2	16.6	16.9	15.8	16.3	16.1	16.6	16.9
	3H	15.7	16.1	16.0	16.4	16.8	15.7	16.1	16.0	16.4	16.8
	4H	15.6	16.0	16.0	16.3	16.7	15.6	16.0	16.0	16.3	16.7
	6H	15.5	15.8	15.9	16.2	16.6	15.5	15.8	15.9	16.2	16.6
	8H	15.4	15.7	15.9	16.2	16.6	15.4	15.7	15.9	16.2	16.6
	12H	15.4	15.7	15.9	16.1	16.6	15.4	15.7	15.9	16.1	16.6
8H	4H	15.4	15.7	15.9	16.2	16.6	15.4	15.7	15.9	16.2	16.6
	6H	15.4	15.6	15.8	16.0	16.5	15.4	15.6	15.8	16.0	16.5
	8H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
	12H	15.2	15.4	15.8	15.9	16.4	15.2	15.4	15.8	15.9	16.4
12H	4H	15.4	15.7	15.9	16.1	16.6	15.4	15.7	15.9	16.1	16.6
	6H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
	8H	15.2	15.4	15.8	15.9	16.4	15.2	15.4	15.8	15.9	16.4

Variations with the observer position at spacing:

S =			
	1.0H	6.5 / -12.5	6.5 / -12.5
	1.5H	9.3 / -17.3	9.3 / -17.3
	2.0H	11.3 / -19.6	11.3 / -19.6