Tecnica Pro

Design iGuzzini **iGuzzini**

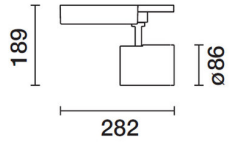
Last information update: June 2018

spotlight - warm white flood optic

Product code
N353

Technical description
Adjustable spotlight with adapter for installation on mains voltage 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. OPTIBEAM 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 standard electrified track or on an appropriate channel incorporating an electrified track.



Dimension (mm)
Ø86x189

Colour
White (01) | Black (04)

Weight (Kg)
1.12

Mounting
three circuit track|ceiling surface

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

Complies with EN60598-1 and pertinent regulations

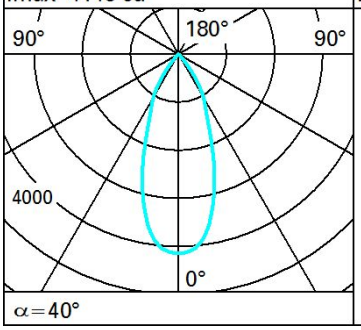
IP20 IP40 for optical assembly

Product configuration: N353

Product characteristics
Total lighting output [Lm]: 2247
Total power [W]: 24.6
Luminous efficacy [Lm/W]: 91.4
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.) [%]: 75
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 21
Nominal luminous [Lm]: 3000
Lamp maximum intensity [cd]: /
Beam angle [°]: 40°
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.6
Colour temperature [K]: 3000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 2

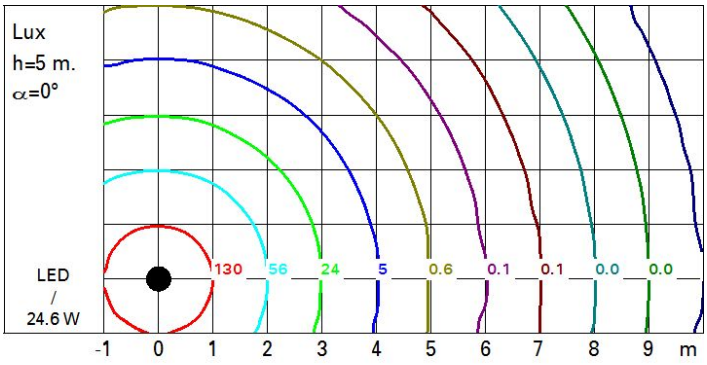
Polar



Lux

h	d	Em	Emax
2	1.5	806	1036
4	2.9	201	259
6	4.4	90	115
8	5.8	50	65

Isolux



UGR diagram

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	20.6	21.3	20.9	21.5	21.8	20.6	21.3	20.9	21.5	21.8
	3H	20.5	21.1	20.8	21.4	21.6	20.5	21.1	20.8	21.4	21.6
	4H	20.4	21.0	20.8	21.3	21.6	20.4	21.0	20.8	21.3	21.6
	6H	20.4	20.9	20.7	21.2	21.5	20.4	20.9	20.7	21.2	21.5
	8H	20.3	20.8	20.7	21.1	21.5	20.3	20.8	20.7	21.1	21.5
	12H	20.3	20.7	20.7	21.1	21.4	20.3	20.7	20.7	21.1	21.4
4H	2H	20.4	21.0	20.8	21.3	21.6	20.4	21.0	20.8	21.3	21.6
	3H	20.3	20.7	20.7	21.1	21.4	20.3	20.7	20.7	21.1	21.4
	4H	20.2	20.6	20.6	21.0	21.4	20.2	20.6	20.6	21.0	21.4
	6H	20.1	20.5	20.5	20.9	21.3	20.1	20.5	20.5	20.9	21.3
	8H	20.1	20.4	20.5	20.8	21.2	20.1	20.4	20.5	20.8	21.2
	12H	20.0	20.3	20.5	20.7	21.2	20.0	20.3	20.5	20.7	21.2
8H	4H	20.1	20.4	20.5	20.8	21.2	20.1	20.4	20.5	20.8	21.2
	6H	20.0	20.2	20.4	20.7	21.2	20.0	20.2	20.4	20.7	21.2
	8H	19.9	20.1	20.4	20.6	21.1	19.9	20.1	20.4	20.6	21.1
	12H	19.9	20.1	20.4	20.5	21.1	19.9	20.1	20.4	20.5	21.1
12H	4H	20.0	20.3	20.5	20.7	21.2	20.0	20.3	20.5	20.7	21.2
	6H	19.9	20.1	20.4	20.6	21.1	19.9	20.1	20.4	20.6	21.1
	8H	19.9	20.1	20.4	20.5	21.1	19.9	20.1	20.4	20.5	21.1

Variations with the observer position at spacing:

S =			
	1.0H	5.6 / -18.6	5.6 / -18.6
	1.5H	8.4 / -23.3	8.4 / -23.3
	2.0H	10.4 / -25.0	10.4 / -25.0