Tecnica

Design Bruno Gecchelin **iGuzzini**

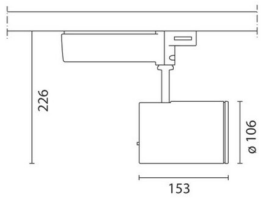
Last information update: March 2023

Product configuration: 6345+L361
6345: with electronic control gear 70W HIT (CDM-TC) - Spot

Product code
6345: with electronic control gear 70W HIT (CDM-TC) - Spot **Attention! Code no longer in production**

Technical description
Projector for interiors, made of die-cast aluminium and thermoplastic material. Fitting has adaptor for installation on mains voltage tracks. The dual orientation of the projector allows for a rotation around the vertical axis of 360° and an inclination of 90° in relation to the horizontal plane. The fitting also has mechanical blocks for precision aim and graduated scales for both rotations. These blocks are easily performed with the same tool and two screws: one on the side of the rod and the other on the track adapter. The projector has an accessory-holder ring which can contain up to two flat accessories at once. It is also possible to apply an external component, such as an asymmetrical screen, directional flaps, or an anti-glare screen. The fitting, with a spot 70W HIT (CDM-TC) optic, is equipped with an electronic power supply group. IP40 for optical assembly.

Installation
Installation on electrified tracks.



Colour
White (01) | Black (04) | Grey (15)

Mounting
three circuit track

Wiring
Electronic control gear for discharge lamps housed inside the special box that comes with the fitting.

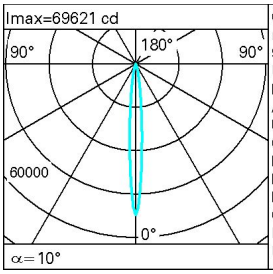
Complies with EN60598-1 and pertinent regulations

850°C IP20 pending

Technical data

lm system:	4123	CRI:	89
W system:	78	Colour temperature [K]:	3000
lm source:	6900	Ballast losses [W]:	8
W source:	70	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	52.9	Lamp code:	L361
lm in emergency mode:	-	Socket:	G8,5
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	60	ZVEI Code:	HIT-TC-CE
Beam angle [°]:	10°	Number of optical assemblies:	1

Polar



CIE
nL 0.60
99-100-100-100-60
UGR 10.6-10.6
DIN
A.61
UTE
0.60A+0.00T
F"1=991
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<16 I L<3000 cd/mq @65°

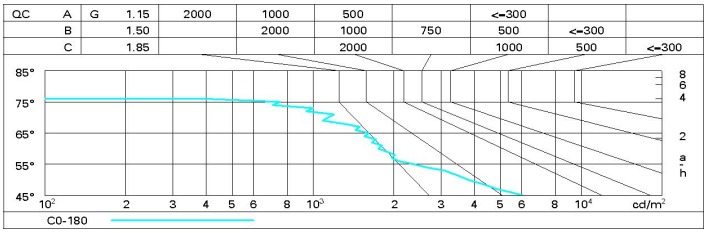
Lux

h	d	Em	Emax
2	0.3	12686	17405
4	0.7	3172	4351
6	1	1410	1934
8	1.4	793	1088

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	51	49	48	50	49	48	47	78
1.0	56	54	52	50	53	51	51	49	82
1.5	59	57	56	54	56	55	55	53	88
2.0	61	59	58	57	59	58	57	55	93
2.5	62	61	60	59	60	59	59	57	96
3.0	63	62	61	61	61	61	60	58	98
4.0	63	63	63	62	62	62	61	59	99
5.0	64	64	63	63	62	62	61	60	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 6900 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	11.5	13.4	11.8	13.8	14.1	11.5	13.4	11.8	13.8	14.1
	3H	11.4	12.7	11.7	13.0	13.3	11.4	12.6	11.7	13.0	13.3
	4H	11.4	12.3	11.7	12.6	13.0	11.3	12.3	11.7	12.6	13.0
	6H	11.3	12.0	11.7	12.3	12.7	11.3	12.0	11.7	12.3	12.7
	8H	11.2	12.0	11.6	12.4	12.7	11.2	12.0	11.6	12.4	12.7
	12H	11.2	12.1	11.6	12.4	12.8	11.1	12.0	11.5	12.4	12.8
4H	2H	11.3	12.3	11.7	12.6	13.0	11.4	12.3	11.7	12.6	13.0
	3H	11.2	12.1	11.6	12.4	12.8	11.2	12.1	11.6	12.4	12.8
	4H	11.0	12.1	11.4	12.5	12.9	11.0	12.1	11.4	12.5	12.9
	6H	10.7	12.4	11.2	12.8	13.3	10.7	12.4	11.2	12.8	13.3
	8H	10.6	12.4	11.1	12.9	13.4	10.6	12.4	11.1	12.9	13.4
	12H	10.5	12.3	11.0	12.8	13.3	10.5	12.3	11.0	12.8	13.3
8H	4H	10.6	12.4	11.1	12.9	13.4	10.6	12.4	11.1	12.9	13.4
	6H	10.5	12.1	11.0	12.6	13.1	10.5	12.1	11.0	12.6	13.1
	8H	10.5	11.8	11.0	12.3	12.8	10.5	11.8	11.0	12.3	12.8
	12H	10.7	11.4	11.2	11.9	12.5	10.7	11.4	11.2	11.9	12.5
12H	4H	10.5	12.3	11.0	12.8	13.3	10.5	12.3	11.0	12.8	13.3
	6H	10.5	11.8	11.0	12.3	12.8	10.5	11.8	11.0	12.3	12.8
	8H	10.7	11.4	11.2	11.9	12.5	10.7	11.4	11.2	11.9	12.5

Variations with the observer position at spacing:

S =			
1.0H	5.6 / -10.1		5.6 / -10.1
1.5H	8.4 / -11.5		8.4 / -11.5
2.0H	10.4 / -12.5		10.4 / -12.5