Tecnica Pro

Design Bruno Gecchelin   **iGuzzini**
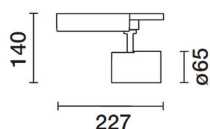
Last information update: May 2024

Product configuration: P655

P655: spotlight - neutral white - medium optic

Product code

P655: spotlight - neutral white - medium optic **Attention! Code no longer in production**

Technical description

Adjustable spotlight with adapter for installation on mains voltage track for LED source with CoB technology, Neutral White (4000K) 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, 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 electrified track or on an appropriate channel incorporating an electrified track.

Colour	Weight (Kg)
White (01)	Black (04)	0.68

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 CE ⟨⟨03⟩ ⟨S⟩ EHL NOM-Ⓢ

Technical data

lm system:	1184	CRI:	80
W system:	13	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):	91.1	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°		

Polar

Imax=5105 cd

Lux			
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
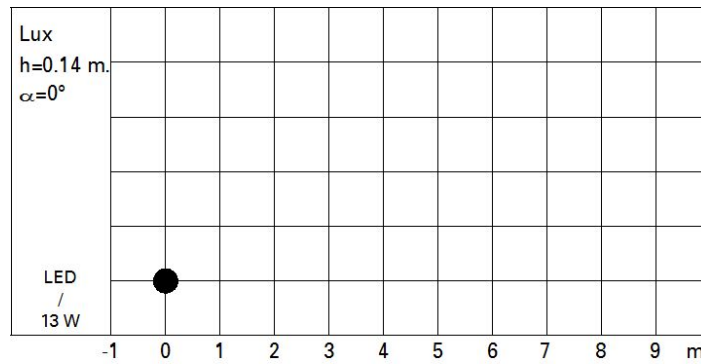
UGR diagram

Corrected UGR values (at 1600 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					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