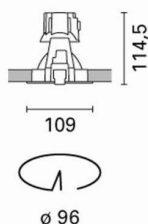


Last information update: May 2024

Product configuration: M377+L160
M377: 20W HIT PGJ5**Product code**M377: 20W HIT PGJ5 **Attention! Code no longer in production****Technical description**

Recessed fixed round luminaire designed to use a metal halide lamp 20W HIT PGJ5. Version with die-cast aluminium rim for surface-mounting. Professional optic for use with a discharge lamp. Die-cast aluminium body and 99.9% super pure aluminium reflector. The luminaire is fitted with a borosilicate glass capsule which protects the lamp from knocks and dust, guaranteeing IP43 protection.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Colour

White / Aluminium (39)

Mounting

ceiling recessed

Wiring

Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1212	CRI:	86
W system:	24	Colour temperature [K]:	3000
lm source:	1650	Voltage [Vin]:	230
W source:	20	Lamp code:	L160
Luminous efficiency (lm/W, real value):	50.5	Socket:	PGJ5
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:	HIT-CE
Light Output Ratio (L.O.R.) [%]:	73	Number of optical assemblies:	1
Beam angle [°]:	46°		

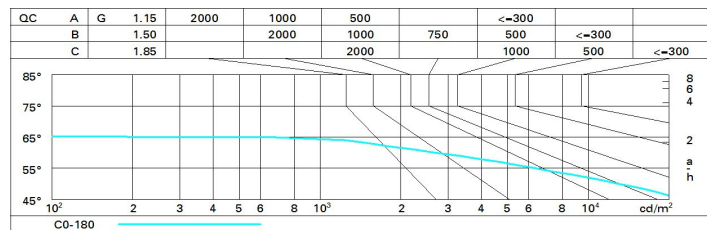
Polar

Imax=1769 cd		CIE nL 0.73 92-100-100-100-73 UGR 17.9-17.9 DIN A.61 UTE 0.73A+0.00T F*1=923 F*1+F*2=998 F*1+F*2+F*3=1000 CIBSE LG3 L<1000 cd/m² at 65° UGR<19 L<1000 cd/mq @65°	Lux				
90°	180°		h	d	Em	Emax	
			2	1.7	332	442	
			4	3.4	83	111	
			6	5.1	37	49	
			8	6.8	21	28	
α=46°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	64	60	57	55	59	56	56	53	73
1.0	67	64	61	59	63	60	60	57	78
1.5	71	69	66	65	68	66	65	63	85
2.0	74	72	70	69	71	69	69	66	90
2.5	75	74	73	72	73	72	71	69	93
3.0	76	75	74	73	74	73	72	70	96
4.0	77	76	76	75	75	75	74	72	97
5.0	78	77	77	76	76	75	74	72	98

Luminance curve limit



UGR diagram

Corrected UGR values (at 1050 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	18.5	19.2	18.8	19.4	19.6	18.5	19.2	18.8	19.4	19.6
	3H	18.4	18.9	18.7	19.2	19.5	18.4	19.0	18.7	19.2	19.5
	4H	18.3	18.8	18.6	19.1	19.4	18.3	18.9	18.6	19.1	19.4
	6H	18.2	18.7	18.6	19.0	19.3	18.2	18.7	18.6	19.0	19.4
	8H	18.2	18.6	18.5	19.0	19.3	18.2	18.7	18.6	19.0	19.3
	12H	18.1	18.6	18.5	18.9	19.3	18.1	18.6	18.5	19.0	19.3
4H	2H	18.3	18.9	18.6	19.1	19.4	18.3	18.8	18.6	19.1	19.4
	3H	18.1	18.6	18.5	19.0	19.3	18.1	18.6	18.5	19.0	19.3
	4H	18.1	18.5	18.5	18.8	19.2	18.1	18.5	18.5	18.8	19.2
	6H	18.0	18.3	18.4	18.7	19.1	18.0	18.3	18.4	18.7	19.1
	8H	17.9	18.3	18.4	18.7	19.1	17.9	18.3	18.4	18.7	19.1
	12H	17.9	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.6	19.1
8H	4H	17.9	18.3	18.4	18.7	19.1	17.9	18.3	18.4	18.7	19.1
	6H	17.8	18.1	18.3	18.5	19.0	17.8	18.1	18.3	18.5	19.0
	8H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	12H	17.7	17.9	18.2	18.4	18.9	17.7	17.9	18.2	18.4	18.9
12H	4H	17.9	18.2	18.3	18.6	19.1	17.9	18.2	18.3	18.6	19.1
	6H	17.8	18.0	18.3	18.5	19.0	17.8	18.0	18.3	18.5	19.0
	8H	17.7	17.9	18.2	18.4	18.9	17.7	17.9	18.2	18.4	18.9
Variations with the observer position at spacing:											
S =	1.0H	3.0 / -8.3					3.0 / -8.3				
	1.5H	5.7 / -15.8					5.7 / -15.8				
	2.0H	6.9 / -21.8					6.9 / -21.8				