ZANEEN.

GILBERT SUSPENSION

D81399

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

Max. Wattage Per Lamp (W): 4

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

Lamp Base: G9 Input Voltage (V): 120

IP rating: IP20

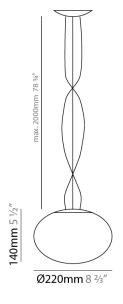
LED OPTICAL

Series: Gilbert
Brand: Panzeri
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Sphere
Diameter (mm): 220
Diameter (in): 8 ¹¹ / ₁₆
Height (mm): 140
Height (in): $5\frac{1}{2}$
Max. Overall Height (mm): 2140
Max. Overall Height (in): 84 ¼
Light Distribution: Omnidirectional
Weight (kg): 1.202
Weight (lbs): 2.65
Diffuser: Matt White Blown Glass
Fixture Finish: WHI
Fixture Material: Glass / Aluminum
Cable Details: 2000mm / 78 5/8" long steel suspension cable 2000mm / 78 5/8" Clear double power cable
ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit
Lamp Shape: T4
Bulb Included: Bulb Not Included

PROJECT

ТҮРЕ	
SPECIFIER	
QUANTITY	
DATE	





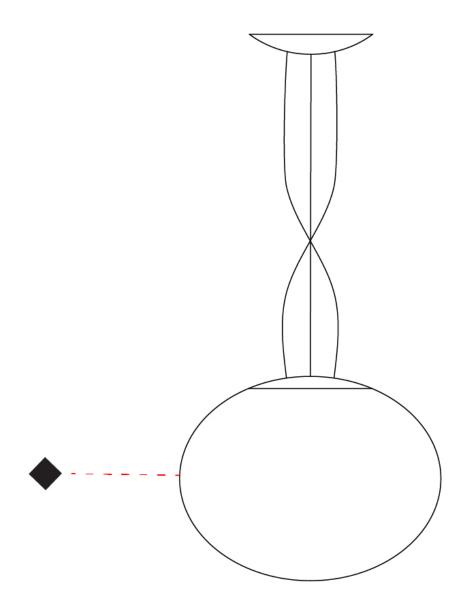
Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com



D81399

PROJECT

PROJECT	
ТУРЕ	
SPECIFIER	
QUANTITY	
DATE	



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

GILBERT SUSPENSION

D81400R9

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL	
Series: Gilbert	
Brand: Panzeri	
Division: Design	
Mounting Type: Suspen	sion
Mounting Location: Ceil	ing
Subcategory: Pendant	
PHYSICAL	
Shape: Sphere	
Diameter (mm): 370	
Diameter (in): 14 ⁹ / ₁₆	
Height (mm): 270	
Height (in): 10 ½	
Max. Overall Height (mn	n): 2270
Max. Overall Height (in):	: 89 ¾
Light Distribution: Omn	idirectional
Weight (kg): 3.8	
Weight (lbs): 8.4	
Diffuser: Matte White Bl	own Glass
Fixture Finish: WHI	
Fixture Material: Glass /	Aluminum
Cable Details: 2000mm / 78 5/8" double power ca	/ 78 5/8" long steel suspension cable 2000mm / able in red Teflon
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 27	
Total Output Wattage (W	W): 23.8

Lamp Type: LED
Input Wattage (W): 27
Total Output Wattage (W): 23.8
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 700
LED
Color Temperature (°K): 3000

Max. Delivered Lumen (lm): 2525	
Nominal Lumen (lm): 3157	
CRI: >90 CRI	
Efficiency (%): 80	
Efficacy (lm/w): 93.52	
Lamp Life (hrs): 50000	

OPTICAL

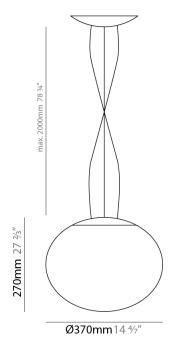
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards IP rating: IP20



PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

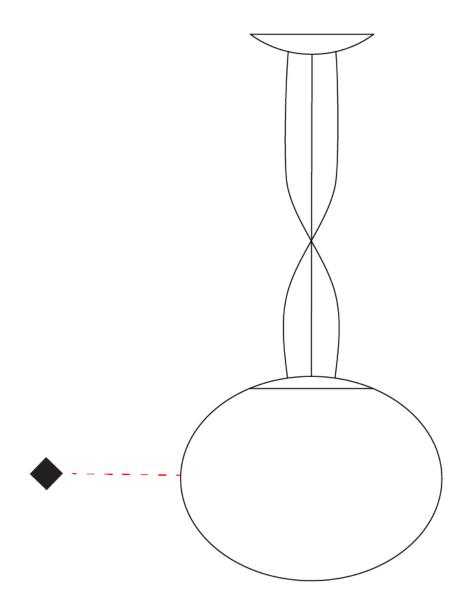
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



D81400R9

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			
			-



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

GILBERT SUSPENSION

D81401R9

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL	
Series: Gilbert	
Brand: Panzeri	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Sphere	
Diameter (mm): 450	
Diameter (in): 17 ¹¹ / ₁₆	
Height (mm): 330	
Height (in): 13	
Max. Overall Height (mm): 23	330
Max. Overall Height (in): 91 $^3\!\!/$	۶ 4
Light Distribution: Omnidire	ctional
Weight (kg): 5.3	
Weight (lbs): 11.7	
Diffuser: Matte White Blown	Glass
Fixture Finish: WHI	
Fixture Material: Glass / Alun	ninum
Cable Details: 2000mm / 78 5 78 5/8" double power cable	5/8" long steel suspension cable 2000mm / in clear
ELECTRICAL	
Lamp Type: LED	
Input Wattage (W): 27	
Total Output Wattage (W): 23	3.8

Lamp Type: LED
Input Wattage (W): 27
Total Output Wattage (W): 23.8
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277
Constant Current (MA): 700
LED

Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 2525
Nominal Lumen (lm): 3157
CRI: >90 CRI
Efficiency (%): 80
Efficacy (lm/w): 93.52
Lamp Life (hrs): 50000

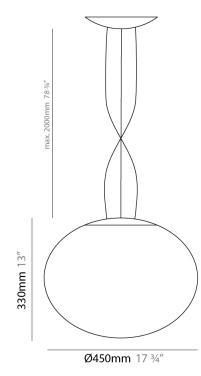
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards IP rating: IP20

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

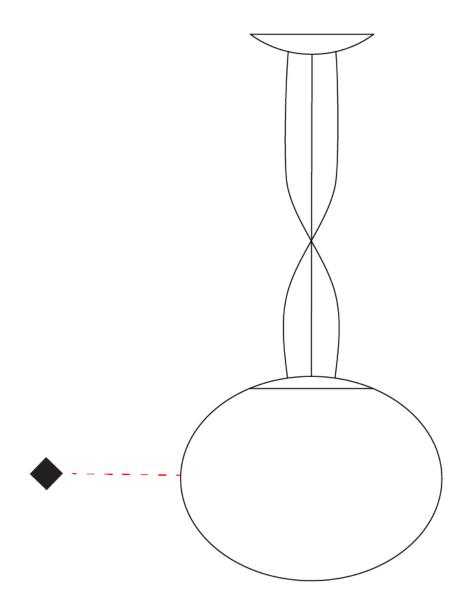
In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com



D81401R9

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

ZANEEN.

GILBERT SUSPENSION

D81402

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

CENERAE	
Series: Gilbert	
Brand: Panzeri	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Sphere	
Diameter (mm): 450	
Diameter (in): 17^{11}_{16}	
Height (mm): 330	
Height (in): 13	
Max. Overall Height (mm): 2330	
Max. Overall Height (in): 91 $\frac{3}{4}$	
Light Distribution: Omnidirectional	
Weight (kg): 5.3	
Weight (lbs): 11.7	
Diffuser: Matt White Blown Glass	
Fixture Finish: WHI	
Fixture Material: Glass / Aluminum	
Cable Details: 2000mm / 78 5/8" long steel suspension cable 2 78 5/8" Clear double power cable	000mm /
ELECTRICAL	
Number of Lamps: 1	

Number of Lamps: 1
Lamp Type: LED Retrofit
Lamp Shape: A19
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 15
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

OPTICAL

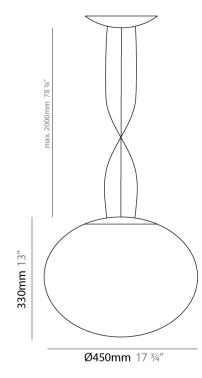
RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards	
IP rating: IP20	



PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

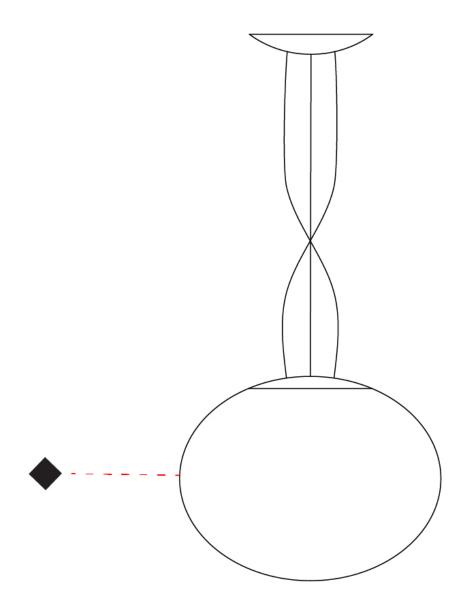
In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com



D81402

PROJECT

PROJECT	
ТУРЕ	
SPECIFIER	
QUANTITY	
DATE	



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

GILBERT SUSPENSION

D81421

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL
Series: Gilbert
Brand: Panzeri
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Sphere
Diameter (mm): 370
Diameter (in): $14\frac{9}{16}$
Height (mm): 270
Height (in): $10\frac{5}{8}$
Max. Overall Height (mm): 2270
Max. Overall Height (in): 89 $\frac{3}{8}$
Light Distribution: Omnidirectional
Weight (kg): 3.80
Weight (lbs): 8.37
Diffuser: Matt White Blown Glass
Fixture Finish: WHI
Fixture Material: Glass / Aluminum
Cable Details: 2000mm / 78 5/8" long steel suspension cable 2000mm
78 5/8" Clear double power cable
ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit

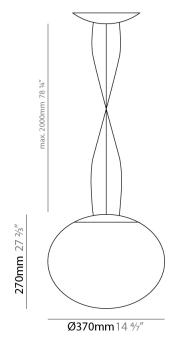
Number of Lamps: 1
Lamp Type: LED Retrofit
Lamp Shape: A19
Bulb Included: Bulb Not Included
Max. Wattage Per Lamp (W): 7
Lamp Base: E26
Input Voltage (V): 120
Upon Request: 277Vac / GU24

LED

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards	
IP rating: IP20	



PROJECT

ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

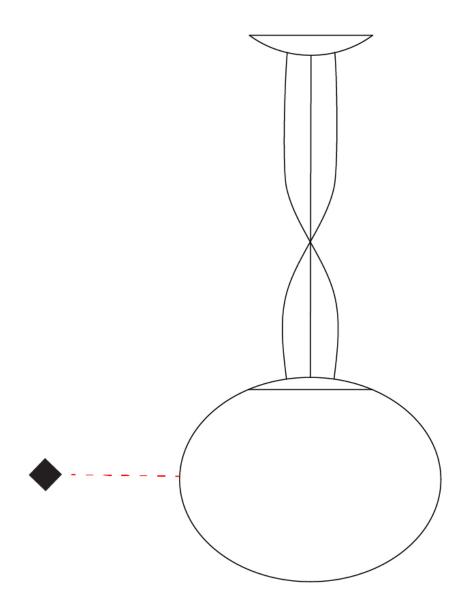
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



D81421

PROJECT

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

GILBERT SUSPENSION

D81431R9

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL
Series: Gilbert
Brand: Panzeri
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant
PHYSICAL
Shape: Sphere
Diameter (mm): 220
Diameter (in): 8 ¹¹ / ₁₆
Height (mm): 140
Height (in): $5\frac{1}{2}$
Max. Overall Height (mm): 2140
Max. Overall Height (in): 84 ¼
Light Distribution: Omnidirectional
Weight (kg): 1.13
Weight (lbs): 2.49
Diffuser: Matte White Blown Glass
Fixture Finish: WHI
Fixture Material: Glass / Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 11
Total Output Wattage (W): 9.5
Dimming: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - 120 / 277Vac
Driver Class: Class 2
Input Voltage (V): 120 - 277

LED

Color Temperature (°K): 3000
Max. Delivered Lumen (lm): 929
Nominal Lumen (lm): 1157
CRI: >90 CRI
Efficiency (%): 80.3
Efficacy (lm/w): 84.45
Lamp Life (hrs): 50000

OPTICAL

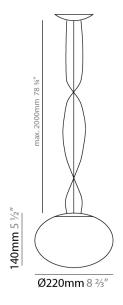
RATINGS AND CERTIFICATIONS

Constant Current (MA): 350

Certified By: Certified for North American Standards IP rating: IP20

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

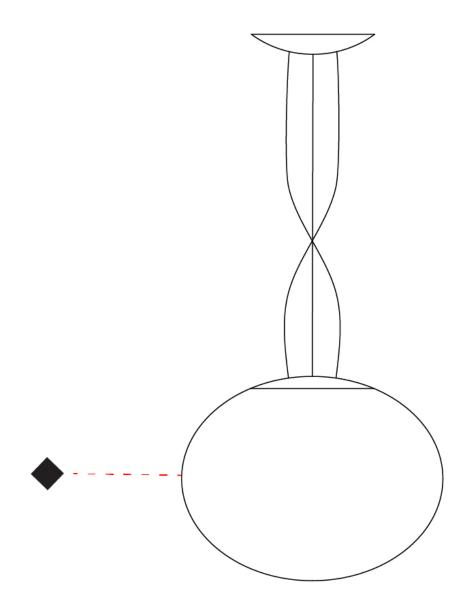
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.



D81431R9

PROJECT

PROJECT		
ТҮРЕ		
SPECIFIER		
QUANTITY		
DATE		



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

ZANEEN.

GILBERT SURFACE

D82190

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL	
Series: Gilbert	
Brand: Panzeri	
Division: Design	
Mounting Type: Surface	
Mounting Location: Ceiling	
Subcategory: Ambient	
PHYSICAL	
Shape: Sphere	
Diameter (mm): 370	
Diameter (in): 14 ⁹ / ₁₆	
Height (mm): 270	
Height (in): 10 ½	
Light Distribution: Omnidirectional	
Weight (kg): 3.40	
Weight (lbs): 7.49	
Diffuser: Matte White Blown Glass	
Fixture Finish: WHI	
Fixture Material: Glass / Aluminum	
ELECTRICAL	
Number of Lamps: 1	
Lamp Type: LED Retrofit	
Lamp Shape: A19	
Bulb Included: Bulb Not Included	
Max. Wattage Per Lamp (W): 15	

Max. Wattage Per Lamp (W): 15 Lamp Base: E26 Input Voltage (V): 120

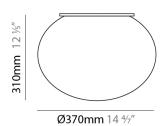
Upon Request: 277Vac / GU24

LED

OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards IP rating: IP20



PROJECT

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

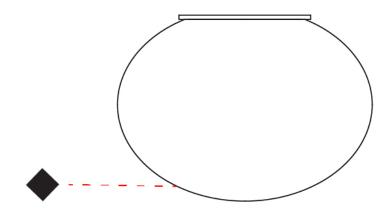


GILBERT SURFACE

D82190

PROJECT

ROJECT
YPE
PECIFIER
UANTITY
ATE



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

GILBERT SURFACE

D82191

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL
Series: Gilbert
Brand: Panzeri
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Sphere
Diameter (mm): 450
Diameter (in): 17 $^{11}/_{16}$
Height (mm): 330
Height (in): 13
Light Distribution: Omnidirectional
Weight (kg): 5.12
Weight (lbs): 11.28
Diffuser: Matt White Blown Glass
Fixture Finish: WHI
Fixture Material: Glass / Aluminum
ELECTRICAL
Number of Lamps: 1
Lamp Type: LED Retrofit / CFL
Lamp Shape: A19

Lamp Shape: A19	
Bulb Included: Bulb Not Included	
Max. Wattage Per Lamp (W): 15 / 23	
Lamp Base: E26	
Input Voltage (V): 120	
Upon Request: 277Vac / GU24	
LED	

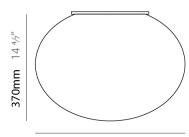
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards IP rating: IP20

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Ø450mm 17 ¾"

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

Page 15/22

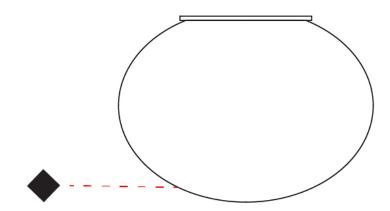


GILBERT SURFACE

D82191

PROJECT

ŀ	ROJECI
T	YPE
5	PECIFIER
¢	UANTITY
0	ATE
-	



Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

GILBERT SURFACE

D82238R9

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

<u>CENERALE</u>
Series: Gilbert
Brand: Panzeri
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Sphere
Diameter (mm): 370
Diameter (in): 14 ⁹ / ₁₆
Height (mm): 310
Height (in): 12 ¹ / ₈
Light Distribution: Omnidirectional
Weight (kg): 3.40
Weight (lbs): 7.49
Diffuser: Matte White Blown Glass
Fixture Finish: WHI
Fixture Material: Glass / Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 20
Total Output Wattage (W): 17
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2
Input Voltage (V): 120 - 277

Constant Current (MA): 500

LED

Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1840	
Nominal Lumen (lm): 2301	
CRI: >90 CRI	
Efficiency (%): 80	
Efficacy (lm/w): 92	
Lamp Life (hrs): 50000	

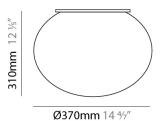
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards	
IP rating: IP20	

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



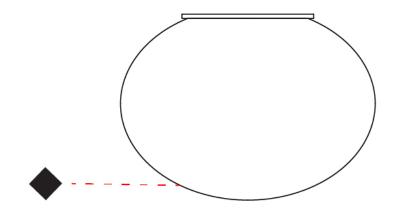


Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com



GILBERT SURFACE

D82238R9



GILBERT SURFACE

D82239R9

base number

1. To build a product code in our configurator select the specify button on the base model # product page

2. To build a manual product code on this datasheet choose from the options listed below in blue font and add the suffix to the base model #

GENERAL

GENERAL
Series: Gilbert
Brand: Panzeri
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Ambient
PHYSICAL
Shape: Sphere
Diameter (mm): 450
Diameter (in): 17 ¹¹ / ₁₆
Height (mm): 370
Height (in): 14 $\frac{4}{7}$
Light Distribution: Omnidirectional
Weight (kg): 5.12
Weight (lbs): 11.28
Diffuser: Matte White Blown Glass
Fixture Finish: WHI
Fixture Material: Glass / Aluminum
ELECTRICAL
Lamp Type: LED
Input Wattage (W): 20
Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming)
Driver Included: Yes
Driver Location: Integrated
Driver Type: Constant Current - Universal
Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 700 LED

Color Temperature (°K): 3000	
Max. Delivered Lumen (lm): 1840	
Nominal Lumen (lm): 2301	
CRI: >90 CRI	
Lamp Life (hrs): 50000	
· · · · · · · · · · · · · · · · · · ·	

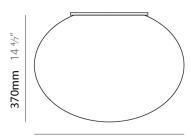
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards	
IP rating: IP20	

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			





Ø450mm 17 ¾"

Zaneen Group Inc. © 2024, T 1800-388-3382, F 416-247-9319, www.zaneen.com

Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com.

In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

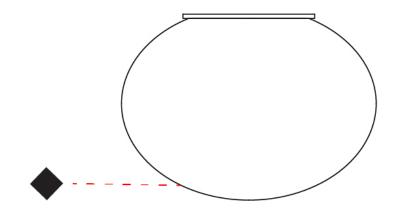


GILBERT SURFACE

D82239R9

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			





GILBERT COLOR FINISH CHART

PROJECT

DATE			
QUANTITY			
SPECIFIER			
TYPE			
PROJECT			

Fixture Finish



Digital: Not all screens are calibrated the same, and therefore, colors will appear differently between screens. Physical: When texture is involved, there will be variations in color, character and tone within a product series and between product families.



ZANEEN.

GILBERT

PROJECT

TYPE

SPECIFIER QUANTITY

DATE

LEGEND

		-		-	
↓	floor-mounted	¥	pivotable	\circledast	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	C	rotating	0	warm dim / natural dimming LED
\uparrow	ceiling-mounted and wall-mounted	Œ	illuminate tilted	Ø	rechargeable battery powered
→	wall-mounted	T	color of suspension cable	1111 1100	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	↓	length of suspension cable	CRI	color rendering index
À	direct light distribution	\Box	reflector degree selection	€К	color temperature
X	direct/indirect light distribution	s s	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩.	efficacy (lumens per watt)
	asymmetric light distribution	Ð	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
Ä	aura light distribution	0	shine ring	318	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	\odot	integrated shine ring with diffuser	٢	walk on
5	square wall or ceiling cut-out	Ċ	free individual colors 01-29	۲	drive on
d	the supplied jig specifies the cutout dimensions	Ċ	individual colors: 00 (free of charge), 01-25 (extra charge)	Osc	Dark Sky Compliance
(++)	minimum distance (meters) lamp - object	۲	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
£	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
+→	ceiling thickness in mm		luminaire part to be colored (F3)	٢	blown glass using traditional methods by master glass blower
	ceiling thickness selection		luminaire part to be colored (F4)	(ه)	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)	۲	luminaire part to be colored (F5)		protection class I, protection insulation
~	included or excluded LED driver/transformer/ control gear	•	color of 3-circuit adaptor		protection class II, protection insulation
У	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
シリ	sensor	D	direct diffuser	c (UL) us	UL Certified to UL and CSA Standards
() [®]	remote control	\odot	ball-proof (upon request)	۹.	CSA Certified to UL and CSA Standards
2	available upon request	U	accessory	\square	Certified for North American Standards

IP RATING

IP20	protected against ingress of solid bodies greater than 12.5mm (finger)
IP33	protected against ingress of solid bodies greater than 2.5mm protected against sprays of water up to 60 degrees from the vertical (rain)
IP40	protected against ingress of solid bodies greater than 1mm (wire) no protection against the ingress of moisture
IP43	protected against ingress of solid bodies greater than 1mm (wire) protected against sprays of water up to 60 degrees from the vertical (rain)
IP44	protected against ingress of solid bodies greater than 1mm (wire) protected against water splashed from all directions
IP54	protected against limited ingress of dust (wet rooms/covered outdoor areas) protected against water splashed from all directions
IP65	protected against ingress of dust protected against jets of water
IP66	protected against ingress of dust protected against powerful jets of water or heavy seas
IP67	protected against ingress of dust protected against immersion of water between 15cm - 1m for 30 minutes
IP68	protected against ingress of dust protected against immersion of water under pressure for long periods

IK RATING

КО1	protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
IK02	protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
КОЗ	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
IK04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
КО5	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
КОб	protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
IK07	protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface)
КОВ	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
1609	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
К10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)