

### **TWO SURFACE**

### GENFPAI

D82164



TYPE NOTES

QUANTITY DATE

### LED OPTICAL

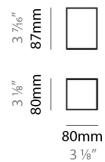
### RATINGS AND CERTIFICATIONS

Lamp Base: GU10 Input Voltage (V): 120

Max. Wattage Per Lamp (W): 6 / 50

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP20







### **TWO SURFACE**

# D82165

#### GENERAL

Series: Two
Brand: Panzeri
Division: Design
Mounting Type: Surface
Mounting Location: Ceiling
Subcategory: Downlight

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Subcategory: Downlight

PHYSICAL
Shape: Cube
Length (mm): 80
Length (in): 3 ½
Width (mm): 80
Width (in): 3 ½
Height (mm): 87
Height (in): 3 ½
Light Distribution: Downlight
Weight (kg): 1.4
Weight (lbs): 3
Fixture Material: Aluminum

ELECTRICAL
Number of Lamps: 1

Number of Lamps: 1
Lamp Type: LED Retrofit / Halogen
Lamp Shape: MR16
Bulb Included: Bulb Not Included
Total Output Wattage (W): 6 / 50
Max. Wattage Per Lamp (W): 6 / 50
Lamp Base: GU10
Input Voltage (V): 120

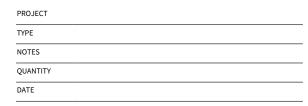
### LED

### OPTICAL

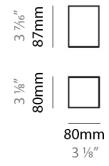
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# **LEGEND**

<u></u>	floor-mounted	¥	pivotable	*	special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+
7	wall and ceiling: recessed and surface mounted	J	rotating	0	warm dim / natural dimming LED
$\uparrow$	ceiling-mounted and wall-mounted	æ	illuminate tilted	0	rechargeable battery powered
$\rightarrow$	wall-mounted	T	color of suspension cable	<u></u>	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	↓	length of suspension cable	CRI	color rendering index
	direct light distribution		reflector degree selection	(K)	color temperature
X	direct/indirect light distribution	S	super spot	LM	lumen (luminous flux)
Y	indirect light distribution	*	lens	₩	efficacy (lumens per watt)
	asymmetric light distribution	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
	aura light distribution	0	shine ring	*	marine grade (AISI 316 stainless steel)
R	round wall or ceiling cut-out	0	integrated shine ring with diffuser	30	walk on
$\Box$	square wall or ceiling cut-out		free individual colors 01-29	<b>②</b>	drive on
4	the supplied jig specifies the cutout dimensions	Ċ	individual colors: 00 (free of charge), 01-25 (extra charge)	DSC	Dark Sky Compliance
<b>d</b> *.*	minimum distance (meters) lamp - object	•	luminaire part to be colored (F1)	Ġ	Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor)
$\hat{\pm}$	recessed depth		luminaire part to be colored (F2)		lamp protected against explosion
<u></u>	ceiling thickness in mm		luminaire part to be colored (F3)		blown glass using traditional methods by master glass blower
1	ceiling thickness selection		luminaire part to be colored (F4)	<b>♦</b> ®	acoustic material
	dimmable DP (phase), DV (0-10V), DD (dali), DS (step-dim)		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
४	separately switchable	$\odot$	indirect diffuser		ETL Certified to UL and CSA Standards
<b>9</b>	sensor	0	direct diffuser	c∰.	UL Certified to UL and CSA Standards
	remote control	$\oplus$	ball-proof (upon request)	<b>(1)</b>	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	<b>Z</b>	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**

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm above the surface)
protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)
protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
protected against 1 joules impact (equivalent to 0.25kg mass dropped from 400mm above the surface)
protected against 2 joules impact (equivalent to 0.5kg mass dropped from 400mm above the surface) $$
protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface)
protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
protected against 20 joules impact (equivalent to $5.0 kg$ mass dropped from $400 mm$ above the surface)