

KUBIK SUSPENSION

D81003

GENERAL

Series: Kubik Brand: Panzeri Division: Design Mounting Type: Suspension Mounting Location: Ceiling Subcategory: Pendant **PHYSICAL** Shape: Cube Length (mm): 140

Length (in): 5 $\frac{1}{2}$ Width (mm): 140 Width (in): 5 1/2 Height (mm): 760 Height (in): 30.0

Max. Overall Height (mm): 1283 Max. Overall Height (in): $50\frac{1}{2}$ Light Distribution: Omnidirectional

Weight (kg): 3.27 Weight (lbs): 7.2 Diffuser: Matte White Blown Glass Fixture Finish: Metallic Gray Fixture Material: Glass / Aluminum

ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 3 Max. Wattage Per Lamp (W): 3 Lamp Base: G9 Input Voltage (V): 120

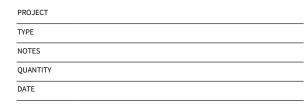
LED

OPTICAL

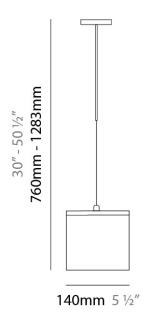
RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP20











KUBIK SUSPENSION

D81433

GENERAL

Series: Kubik Brand: Panzeri Division: Design

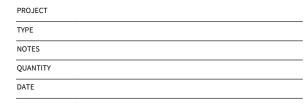
Mounting Type: Suspension Mounting Location: Ceiling Subcategory: Pendant **PHYSICAL** Shape: Square Length (mm): 110 Length (in): 4 1/16 Width (mm): 110 Width (in): 4 1/16 Height (mm): 730 Height (in): 28 3/4 Max. Overall Height (mm): 1283 Max. Overall Height (in): 50 1/2 Light Distribution: Omnidirectional Weight (kg): 1.56 Weight (lbs): 3.43 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL

Input Wattage Range: 10 - 19 W Lamp Type: LED Input Wattage (W): 9.5 Total Output Wattage (W): 8 Dimming: Non-Dimmable Driver Included: Yes Driver Location: Integrated Driver Type: Constant Current - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Constant Current (MA): 500 Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / Non-dimming 1

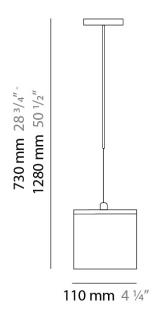
Number of LEDs: 1 Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 1080 CRI: >80 CRI Lamp Life (hrs): 60000

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards IP rating: IP40











D83002

GENERAL

Series: Kubik Brand: Panzeri Division: Design Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient **PHYSICAL** Shape: Square Length (mm): 110 Length (in): 4 1/16 Width (mm): 110 Width (in): 4 1/16 Height (mm): 110 Height (in): $4\frac{5}{16}$ Extension (mm): 100 Extension (in): 4 1/16 Light Distribution: Omnidirectional Weight (kg): 0.69 Weight (lbs): 1.52 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal **ELECTRICAL** Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 3



Lamp Base: G9 Input Voltage (V): 120

Nominal Lumen (lm): 650

Max. Wattage Per Lamp (W): 3

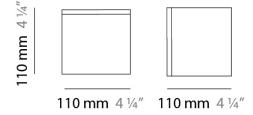
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards IP rating: IP40











D83003

GENERAL Series: Kubik Brand: Panzeri Division: Design Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Square Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (in): 5 ½ Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3 Lamp Race: G9 Lamp Ra	
Brand: Panzeri Division: Design Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Square Length (mm): 140 Length (in): 5½ Width (mm): 140 Width (in): 5½ Height (mm): 140 Height (in): 5½ Extension (mm): 140 Extension (in): 5½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	GENERAL
Division: Design Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Square Length (mm): 140 Length (in): 5½ Width (mm): 140 Width (in): 5½ Height (mm): 140 Height (in): 5½ Extension (mm): 140 Extension (in): 5½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Series: Kubik
Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Square Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Brand: Panzeri
Mounting Location: Ceiling Subcategory: Ambient PHYSICAL Shape: Square Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Division: Design
Subcategory: Ambient PHYSICAL Shape: Square Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Mounting Type: Surface
PHYSICAL Shape: Square Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Mounting Location: Ceiling
Shape: Square Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Subcategory: Ambient
Length (mm): 140 Length (in): 5 ½ Width (mm): 140 Width (in): 5½ Height (mm): 140 Height (in): 5½ Extension (mm): 140 Extension (in): 5½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	PHYSICAL
Length (in): 5 ½ Width (mm): 140 Width (in): 5½ Height (mm): 140 Height (in): 5½ Extension (mm): 140 Extension (in): 5½ Extension (in): 5½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Shape: Square
Width (mm): 140 Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Length (mm): 140
Width (in): 5 ½ Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Length (in): 5 ½
Height (mm): 140 Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Width (mm): 140
Height (in): 5 ½ Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Width (in): $5\frac{1}{2}$
Extension (mm): 140 Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Height (mm): 140
Extension (in): 5 ½ Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Height (in): 5 ½
Light Distribution: Omnidirectional Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Extension (mm): 140
Weight (kg): 1.50 Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Extension (in): 5 ½
Weight (lbs): 3.30 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Light Distribution: Omnidirectional
Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Weight (kg): 1.50
Fixture Finish: WHI Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Weight (lbs): 3.30
Fixture Material: Metal ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Diffuser: Matte White Blown Glass
ELECTRICAL Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Fixture Finish: WHI
Number of Lamps: 1 Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Fixture Material: Metal
Lamp Type: LED Retrofit Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	ELECTRICAL
Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Number of Lamps: 1
Bulb Included: Bulb Not Included Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Lamp Type: LED Retrofit
Total Output Wattage (W): '3 Max. Wattage Per Lamp (W): 3	Lamp Shape: T4
Max. Wattage Per Lamp (W): 3	Bulb Included: Bulb Not Included
	Total Output Wattage (W): '3
Lamp Raco: G0	Max. Wattage Per Lamp (W): 3
Lamp base. 03	Lamp Base: G9

LED

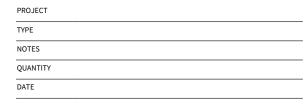
OPTICAL

Input Voltage (V): 120

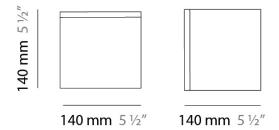
RATINGS AND CERTIFICATIONS

 $\underline{\hbox{Certified By: CSA Certified to UL and CSA Standards}}$

IP rating: IP40











D83279

GENERAL

Series: Kubik Brand: Panzeri Division: Design

Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient **PHYSICAL** Shape: Square Length (mm): 110 Length (in): 4 1/16 Width (mm): 110 Width (in): 4 1/16 Height (mm): 110 Height (in): 4 1/16 Light Distribution: Omnidirectional Weight (kg): 0.66 Weight (lbs): 1.45 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED Input Wattage (W): 9.5 Total Output Wattage (W): 9 Dimming: Non-Dimmable Driver Included: Yes Driver Location: Integrated

Driver Type: Constant Current - 120Vac

Driver Class: Class 2

Input Voltage (V): 120 - 277 Constant Current (MA): 250

Upon Request: (Not included - see components) Remote: 0-10Vdc

dimming / Phase dimming @120Vac only / Non-dimming 1

Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 667 CRI: >80 CRI

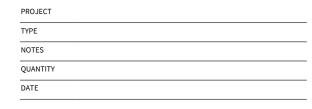
Lamp Life (hrs): 60000

OPTICAL

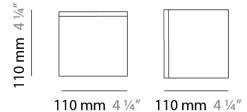
RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards

IP rating: IP40











D83279R9

GENERAL

Series: Kubik Brand: Panzeri Division: Design

Mounting Type: Surface Mounting Location: Ceiling Subcategory: Ambient **PHYSICAL** Shape: Square Length (mm): 110 Length (in): 4 $\frac{5}{16}$ Width (mm): 110 Width (in): 4 1/16 Height (mm): 110 Height (in): 4 1/16 Light Distribution: Omnidirectional Weight (kg): 0.66 Weight (lbs): 1.45 Diffuser: Matte White Blown Glass Fixture Finish: WHI Fixture Material: Metal **ELECTRICAL** Input Wattage Range: 1 - 9 W Lamp Type: LED

Input Wattage (W): 9.5 Total Output Wattage (W): 9 Dimming: Non-Dimmable Driver Included: Yes Driver Location: Integrated Driver Type: Constant Current - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Constant Current (MA): 250

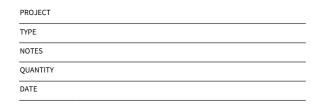
Upon Request: (Not included - see components) Remote: 0-10Vdc dimming / Phase dimming @120Vac only / Non-dimming 1

Delivered Lumen Range: 500 - 999 lm Color Temperature (°K): 3000 Max. Delivered Lumen (lm): 532 Nominal Lumen (lm): 861 CRI: >90 CRI Lamp Life (hrs): 60000

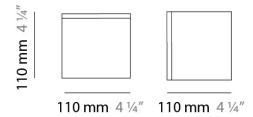
OPTICAL

RATINGS AND CERTIFICATIONS

Certified By: CSA Certified to UL and CSA Standards IP rating: IP40









LEGEND

T	Total No.				anasial LED (upon request) DCD DCDW tunable
<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
$\overline{\uparrow}$	ceiling-mounted and wall-mounted	Œ	illuminate tilted	0	rechargeable battery powered
\rightarrow	wall-mounted	I	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
$\dot{\Delta}$	direct light distribution		reflector degree selection	°K)	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	\otimes	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	\odot	integrated shine ring with diffuser	30	walk on
\Box	square wall or ceiling cut-out		free individual colors 01-29	②	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
□+, +	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
1	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)		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
প	separately switchable	\odot	indirect diffuser	. (1)	ETL Certified to UL and CSA Standards
9	sensor	0	direct diffuser	.(H).s	UL Certified to UL and CSA Standards
	remote control	0	ball-proof (upon request)	(II)	CSA Certified to UL and CSA Standards
9	available upon request	0	accessory	Z	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

IK01	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)
IK03	protected against 0.35 joules impact (equivalent to 0.25kg mass dropped from 140mm above the surface)
1K04	protected against 0.5 joules impact (equivalent to 0.25kg mass dropped from 200mm above the surface)
IK05	protected against 0.7 joules impact (equivalent to 0.25kg mass dropped from 280mm above the surface)
IK06	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) $$
IKOB	protected against 5 joules impact (equivalent to 1.7kg mass dropped from 300mm above the surface) $$
IK09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
IK10	protected against 20 joules impact (equivalent to $5.0 kg$ mass dropped from $400 mm$ above the surface)