# **ZANEEN**<sub>®</sub>

# **RONTONTON SUSPENSION**

#### D101506-

base number Finish Options

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

Brand: Quasar         Division: Design         Mounting Type: Suspension         Mounting Location: Ceiling         Subcategory: Pendant         PHYSICAL         Shape: Abstract         Diameter (mm): 225         Diameter (in): 8 <sup>7</sup> / <sub>4</sub> Height (mm): 180         Height (mm): 180         Height (in): 7 <sup>7</sup> / <sub>46</sub> Max. Overall Height (mm): 2180         Max. Overall Height (in): 85 <sup>13</sup> / <sub>46</sub> Light Distribution: Omnidirectional         Weight (kg): 1         Weight (kg): 1         Weight (lbs): 2.2         Fixture Finish: WHI / BLK         Fixture Finish: WHI / BLK         Fixture Material: Metal         Cable Details: 2000mm Cable         ELECTRICAL         Number of Lamps: 1         Lamp Type: Halogen         Lamp Shape: T4         Bulb Included: Bulb Not Included         Total Output Wattage (W): 20         Lamp Base: G4         Dimming: Phase Dimming (120Vac Only)         Driver Included: Yes         Driver Location: Integrated         Driver Type: Transformer - 120Vac         Driver Class: Class 2         Input Voltage (V): 12         Lamp Voltage (V): 12     <	Series: Rontonton
Mounting Type: SuspensionMounting Location: CeilingSubcategory: PendantPHYSICALShape: AbstractDiameter (mm): 225Diameter (in): 8 $\frac{7}{6}$ Height (mm): 180Height (in): 7 $\frac{1}{5}$ Max. Overall Height (mm): 2180Max. Overall Height (in): 85 $\frac{13}{16}$ Light Distribution: OmnidirectionalWeight (kg): 1Weight (kg): 1Weight (lbs): 2.2Fixture Finish: WHI / BLKFixture Aterial: MetalCable Details: 2000mm CableELECTRICALNumber of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Location: IntegratedDriver Type: Transformer - 120VacDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	Brand: Quasar
Mounting Location: Ceiling         Subcategory: Pendant         PHYSICAL         Shape: Abstract         Diameter (nm): 225         Diameter (in): 8 7/8         Height (nm): 180         Height (in): 7 1/16         Max. Overall Height (nm): 2180         Max. Overall Height (in): 85 13/16         Light Distribution: Omnidirectional         Weight (kg): 1         Weight (kg): 1         Weight (lbs): 2.2         Fixture Finish: WHI / BLK         Fixture Material: Metal         Cable Details: 2000mm Cable         ELECTRICAL         Number of Lamps: 1         Lamp Type: Halogen         Lamp Type: Halogen         Lamp Type: Halogen         Lamp Shape: T4         Bulb Included: Bulb Not Included         Total Output Wattage (W): 20         Lamp Base: G4         Dirming: Phase Dimming (120Vac Only)         Driver Included: Yes         Driver Location: Integrated         Driver Type: Transformer - 120Vac         Driver Class: Class 2         Input Voltage (V): 12         Lamp Voltage (V): 12	Division: Design
Subcategory: Pendant PHYSICAL Shape: Abstract Diameter (mm): 225 Diameter (in): 8 7/8 Height (mm): 180 Height (mm): 180 Height (in): 7 7/16 Max. Overall Height (mm): 2180 Max. Overall Height (in): 85 13/16 Light Distribution: Omnidirectional Weight (kg): 1 Weight (kg): 1 Weight (kg): 2.2 Fixture Finish: WHI / BLK Fixture Material: Metal Cable Details: 2000mm Cable ELECTRICAL Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12 Lamp Voltage (V): 12	Mounting Type: Suspension
PHYSICAL         Shape: Abstract         Diameter (mm): 225         Diameter (in): 8 7/6         Height (mm): 180         Height (in): 7 1/16         Max. Overall Height (mm): 2180         Max. Overall Height (in): 85 13/16         Light Distribution: Omnidirectional         Weight (kg): 1         Weight (kg): 1         Weight (lbs): 2.2         Fixture Finish: WHI / BLK         Fixture Aterial: Metal         Cable Details: 2000mm Cable         ELECTRICAL         Number of Lamps: 1         Lamp Type: Halogen         Lamp Shape: T4         Bulb Included: Bulb Not Included         Total Output Wattage (W): 20         Lamp Base: G4         Dimming: Phase Dimming (120Vac Only)         Driver Included: Yes         Driver Location: Integrated         Driver Type: Transformer - 120Vac         Driver Class: Class 2         Input Voltage (V): 12         Lamp Voltage (V): 12	Mounting Location: Ceiling
Shape: Abstract Diameter (mm): 225 Diameter (in): 8 $7_6$ Height (mm): 180 Height (in): 7 $\frac{1}{1_{16}}$ Max. Overall Height (mm): 2180 Max. Overall Height (in): 85 $\frac{13}{1_{16}}$ Light Distribution: Omnidirectional Weight (kg): 1 Weight (kg): 1 Weight (lbs): 2.2 Fixture Finish: WHI / BLK Fixture Material: Metal Cable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12	Subcategory: Pendant
Diameter (mm): 225 Diameter (in): 8 $\frac{7}{8}$ Height (mm): 180 Height (in): 7 $\frac{1}{16}$ Max. Overall Height (mm): 2180 Max. Overall Height (in): 85 $\frac{13}{16}$ Light Distribution: Omnidirectional Weight (kg): 1 Weight (kg): 1 Weight (kg): 2.2 Fixture Finish: WHI / BLK Fixture Material: Metal Cable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12	PHYSICAL
Diameter (in): 8 $\frac{7}{8}$ Height (mm): 180 Height (in): 7 $\frac{7}{16}$ Max. Overall Height (in): 2180 Max. Overall Height (in): 85 $\frac{13}{16}$ Light Distribution: Omnidirectional Weight (kg): 1 Weight (kg): 1 Weight (kg): 2.2 Fixture Finish: WHI / BLK Fixture Material: Metal Cable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12	Shape: Abstract
Height (mm): 180Height (in): 7 $\frac{1}{1_{16}}$ Max. Overall Height (in): 85 $\frac{13}{1_{16}}$ Light Distribution: OmnidirectionalWeight (kg): 1Weight (kg): 1Weight (lss): 2.2Fixture Finish: WHI / BLKFixture Finish: WHI / BLKCable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Included: YesDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	Diameter (mm): 225
Height (in): 7 $\frac{1}{1_{16}}$ Max. Overall Height (mm): 2180Max. Overall Height (in): 85 $\frac{13}{1_{16}}$ Light Distribution: OmnidirectionalWeight (kg): 1Weight (kg): 2.2Fixture Finish: WHI / BLKFixture Material: MetalCable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Included: YesDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	Diameter (in): 8 <sup>7</sup> / <sub>8</sub>
Height (in): 7 $\frac{1}{1_{16}}$ Max. Overall Height (mm): 2180Max. Overall Height (in): 85 $\frac{13}{1_{16}}$ Light Distribution: OmnidirectionalWeight (kg): 1Weight (kg): 2.2Fixture Finish: WHI / BLKFixture Material: MetalCable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Included: YesDriver Type: Transformer - 120VacDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	Height (mm): 180
Max. Overall Height (in): 85 13/16Light Distribution: OmnidirectionalWeight (kg): 1Weight (lbs): 2.2Fixture Finish: WHI / BLKFixture Material: MetalCable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Location: IntegratedDriver Type: Transformer - 120VacDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	
Max. Overall Height (in): 85 13/16Light Distribution: OmnidirectionalWeight (kg): 1Weight (lbs): 2.2Fixture Finish: WHI / BLKFixture Material: MetalCable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Location: IntegratedDriver Type: Transformer - 120VacDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	Max. Overall Height (mm): 2180
Light Distribution: Omnidirectional Weight (kg): 1 Weight (lbs): 2.2 Fixture Finish: WHI / BLK Fixture Material: Metal Cable Details: 2000mm Cable ELECTRICAL Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12	
Weight (lbs): 2.2Fixture Finish: WHI / BLKFixture Material: MetalCable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1Lamp Type: HalogenLamp Shape: T4Bulb Included: Bulb Not IncludedTotal Output Wattage (W): 20Lamp Base: G4Dimming: Phase Dimming (120Vac Only)Driver Included: YesDriver Location: IntegratedDriver Type: Transformer - 120VacDriver Class: Class 2Input Voltage (V): 12Lamp Voltage (V): 12	
Fixture Finish: WHI / BLK Fixture Material: Metal Cable Details: 2000mm Cable <b>ELECTRICAL</b> Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12	Weight (kg): 1
Fixture Material: Metal Cable Details: 2000mm Cable ELECTRICAL Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 12 Lamp Voltage (V): 12	Weight (lbs): 2.2
Cable Details: 2000mm Cable  ELECTRICAL Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Fixture Finish: WHI / BLK
ELECTRICAL Number of Lamps: 1 Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12	Fixture Material: Metal
Number of Lamps: 1         Lamp Type: Halogen         Lamp Shape: T4         Bulb Included: Bulb Not Included         Total Output Wattage (W): 20         Lamp Base: G4         Dimming: Phase Dimming (120Vac Only)         Driver Included: Yes         Driver Location: Integrated         Driver Type: Transformer - 120Vac         Driver Class: Class 2         Input Voltage (V): 120 - 277         Output Voltage (V): 12         Lamp Voltage (V): 12	Cable Details: 2000mm Cable
Lamp Type: Halogen Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	ELECTRICAL
Lamp Shape: T4 Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Number of Lamps: 1
Bulb Included: Bulb Not Included Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Lamp Type: Halogen
Total Output Wattage (W): 20 Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Lamp Shape: T4
Lamp Base: G4 Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Bulb Included: Bulb Not Included
Dimming: Phase Dimming (120Vac Only) Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Total Output Wattage (W): 20
Driver Included: Yes Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Lamp Base: G4
Driver Location: Integrated Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Dimming: Phase Dimming (120Vac Only)
Driver Type: Transformer - 120Vac Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Driver Included: Yes
Driver Class: Class 2 Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Driver Location: Integrated
Input Voltage (V): 120 - 277 Output Voltage (V): 12 Lamp Voltage (V): 12	Driver Type: Transformer - 120Vac
Output Voltage (V): 12 Lamp Voltage (V): 12	Driver Class: Class 2
Lamp Voltage (V): 12	Input Voltage (V): 120 - 277
	Output Voltage (V): 12
Upon Request: Trailing Edge dimming only / 277Vac	Lamp Voltage (V): 12
	Upon Request: Trailing Edge dimming only / 277Vac

#### LED

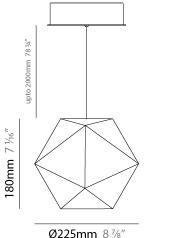
#### OPTICAL

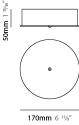
#### RATINGS AND CERTIFICATIONS

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

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			









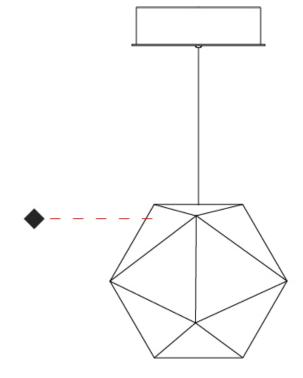
Available for International specifications by adding 'INT' at the end of the existing Model #. For assistance on 'custom' specifications, contact zteam@zaneen.com. In a constant effort to supply the best product, we reserve the right to change specifications or materials without notice. The most recent specification sheets are found at zaneen.com

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## **RONTONTON SUSPENSION**

D101506-

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			



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# **ZANEEN**<sub>®</sub>

# **RONTONTON SUSPENSION**

#### D101508-

Finish Options 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

Series: Rontonton	
Brand: Quasar	
Division: Design	
Mounting Type: Suspension	
Mounting Location: Ceiling	
Subcategory: Pendant	
PHYSICAL	
Shape: Abstract	
Diameter (mm): 150	
Diameter (in): 5 <sup>7</sup> / <sub>8</sub>	
Height (mm): 115	
Height (in): 4 <sup>1</sup> / <sub>2</sub>	
Max. Overall Height (mm): 2150	
Max. Overall Height (in): $84\frac{5}{8}$	
Light Distribution: Omnidirectional	
Weight (kg): 1	
Weight (lbs): 2.205	
Fixture Finish: WHI / BLK	
Fixture Material: Metal	
Cable Details: 2000mm Cable	
ELECTRICAL	
Number of Lamps: 1	
Lamp Type: Halogen	
Lamp Shape: T4	
Bulb Included: Bulb Not Included	
Total Output Wattage (W): 20	
Max. Wattage Per Lamp (W): 20	
Lamp Base: G4	
Driver Included: Yes	
Driver Location: Integrated	
Driver Type: Transformer - 120Vac	
Driver Class: Class 2	
Input Voltage (V): 120 - 277	
Output Voltage (V): 12	
Lamp Voltage (V): 12	
Upon Request: Trailing Edge dimming only / 277Vac	

LED

#### OPTICAL

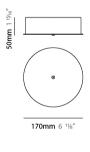
#### RATINGS AND CERTIFICATIONS

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

PROJECT
ТҮРЕ
SPECIFIER
QUANTITY
DATE







Ø150mm 5 7%"



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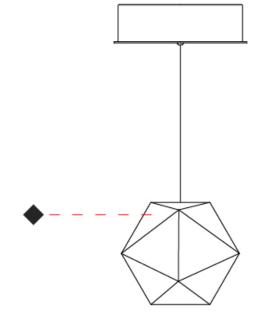
# ZANEEN.

## **RONTONTON SUSPENSION**

D101508-

PROJECT

PROJECT			
ТҮРЕ			
SPECIFIER			
QUANTITY			
DATE			



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# RONTONTON

PROJECT			
TYPE			
SPECIFIER			
QUANTITY			
DATE			

#### **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.



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### RONTONTON

PROJECT

. . .

TYPE SPECIFIER

QUANTITY

DATE

LEGEND special LED (upon request) RGB, RGBW, tunable, gold+, meat+, art+, fashion+\_\_\_\_ 1 floor-mounted Y pivotable  $\circledast$ 1 0 wall and ceiling: recessed and surface mounted rotating warm dim / natural dimming LED Œ illuminate tilted Î ceiling-mounted and wall-mounted rechargeable battery powered Ø Ţ wall-mounted color of suspension cable fixture with natural vivid LED (upon request) -> 111  $\mathbb{Y}$ 1 CRI omni-directional light distribution length of suspension cable color rendering index Λ direct light distribution Δ reflector degree selection °K color temperature direct/indirect light distribution s s LM) super spot lumen (luminous flux) Å LM indirect light distribution lens efficacy (lumens per watt) asymmetric light distribution Q UGR Unified Glare Rating (UGR) range from 5-40 lens pack 0 ÷ marine grade (AISI 316 stainless steel) Ă aura light distribution shine ring 9 round wall or ceiling cut-out lacksquareintegrated shine ring with diffuser 1 walk on 5 square wall or ceiling cut-out Ö free individual colors 01-29 . drive on individual colors: 00 (free of charge), 01-25 (extra d Ċ DSC the supplied jig specifies the cutout dimensions Dark Sky Compliance charge) Americans with Disabilities Act (less than 4" off the wall located between 27"-84" from floor) (++) M minimum distance (meters) lamp - object luminaire part to be colored (F1) Ġ • Î lamp protected against explosion recessed depth luminaire part to be colored (F2) blown glass using traditional methods by master € ceiling thickness in mm luminaire part to be colored (F3) A glass blower T ceiling thickness selection luminaire part to be colored (F4) 1) 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  $\odot$ У indirect diffuser 1 separately switchable ETL Certified to UL and CSA Standards

### **IP RATING**

sensor

remote control

available upon request

2

0

2

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**

6

SP

(Z)

КОТ	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)
К09	protected against 10 joules impact (equivalent to 5.0kg mass dropped from 200mm above the surface)
IK10	protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

UL Certified to UL and CSA Standards

CSA Certified to UL and CSA Standards

Certified for North American Standards

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D

 $\odot$ 

U

direct diffuser

accessory

ball-proof (upon request)

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