OSCURA MAX - MONOPOINT SUSPENSION

## D141224 <br> base number <br>  <br> - $\overline{\text { Finish }}$ Temperature Options 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

Series: Oscura Max
Subseries: Oscura Max - Monopoint
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 220
Diameter (in): $8 / 11 / 16$
Height (mm): 240
Height (in): $9 / 16$
Max. Overall Height (mm): 2240
Max. Overall Height (in): $88 \frac{3}{16}$
Light Distribution: Omnidirectional
Weight (kg): 0.855
Weight (lbs): 1.88
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 7.8
Total Output Wattage (W): 6
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500 mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming

## LED

Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): $2700 / 3000$
Max. Delivered Lumen (lm): 866
CRI: >90 CR

## OPTICAL

RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20

$43 / 4^{\prime \prime}$
Ø120mm



OSCURA MAX - MONOPOINT SUSPENSION

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## GENERAL

Series: Oscura Max
Subseries: Oscura Max - Monopoint
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 240
Diameter (in): 9 9/16
Height (mm): 260
Height (in): $10 \frac{1}{4}$
Max. Overall Height (mm): 2260
Max. Overall Height (in): 89
Light Distribution: Omnidirectional
Weight (kg): 0.925
Weight (lbs): 2.04
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 7.8
Total Output Wattage (W): 6
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming

## LED

Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 2700 / 3000
Max. Delivered Lumen (Im): 866
CRI: >90 CRI

## OPTICAL

RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20

D141225-


OSCURA MAX - MONOPOINT SUSPENSION

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: Oscura Max
Subseries: Oscura Max - Monopoint
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 260
Diameter (in): $10 \frac{1}{4}$
Height (mm): 280
Height (in): 11
Max. Overall Height (mm): 2280
Max. Overall Height (in): 89 3/4
Light Distribution: Omnidirectional
Weight (kg): 0.800
Weight (lbs): 1.76
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 7.8
Total Output Wattage (W): 6
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming
LED
Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 2700 / 3000
Max. Delivered Lumen (Im): 866
CRI: >90 CRI

## OPTICAL

RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20

D141226-


## OSCURA MAX - 3 LIGHT CLUSTER SUSPENSION


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: Oscura Max
Subseries: Oscura Max - 3 Light Cluster
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 500
Diameter (in): $19{ }^{11} / 16$
Height (mm): 500
Height (in): $19^{11 / 16}$
Max. Overall Height (mm): 2500
Max. Overall Height (in): $98 \frac{7}{16}$
Light Distribution: Omnidirectional
Weight (kg): 2.635
Weight (lbs): 5.81
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Accent Finish: PSS
Fixture Material: Glass / Metal
Cable Details: $2,000 \mathrm{~mm}$ Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 23.4
Total Output Wattage (W): 18
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500 mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming

## LED

Number of LEDs: 3
Color Temperature ( ${ }^{\circ}$ K): 2700 / 3000
Max. Delivered Lumen (Im): 2598
CRI: >90 CRI
OPTICAL

## RATINGS AND CERTIFICATIONS

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

$\varnothing 430 \mathrm{~mm} 16^{15 / 16^{\prime \prime}}$


Ø220mm $8^{111 / 16^{\prime \prime}}$
$500 \mathrm{~mm} 19^{11 / 16^{\prime \prime}}$

OSCURA MAX - 3 LIGHT CLUSTER SUSPENSION

| PROJECT |
| :--- |
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |

D141227-


OSCURA MAX - 5 LIGHT CLUSTER SUSPENSION

| D141228- | - | - |
| :---: | :---: | :---: |
| base number | $\overline{\text { Finsh }}$ | Finish |

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: Oscura Max
Subseries: Oscura Max - 5 Light Cluster
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 560
Diameter (in): $221 / 16$
Height (mm): 560
Height (in): $22^{1 / 16}$
Max. Overall Height (mm): 2560
Max. Overall Height (in): $100{ }^{13} / 16$
Light Distribution: Omnidirectional
Weight (kg): 8.555
Weight (lbs): 18.86
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Accent Finish: PSS
Fixture Material: Glass / Metal
Cable Details: $2,000 \mathrm{~mm}$ Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 39
Total Output Wattage (W): 30
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500 mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming

## LED

Number of LEDs: 5
Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 2700 / 3000
Max. Delivered Lumen (lm): 4330
CRI: >90 CRI
OPTICAL

## RATINGS AND CERTIFICATIONS

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

## SPECIFIER

QUANTITY
dATE


Ø220mm $8^{111 / 16^{\prime \prime}}$

OSCURA MAX - 5 LIGHT CLUSTER SUSPENSION

D141228-

$\square$

OSCURA MAX - 5 LIGHT CLUSTER SUSPENSION
D141228-: D141228-30K-CHR-STE $\qquad$ - $\qquad$ $-$ $\overline{\text { Finish }}$
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: Oscura Max
Subseries: Oscura Max - 5 Light Cluster
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 560
Diameter (in): $221 / 16$
Height (mm): 560
Height (in): $22^{1 / 16}$
Max. Overall Height (mm): 2560
Max. Overall Height (in): $100{ }^{13} / 16$
Light Distribution: Omnidirectional
Weight (kg): 8.555
Weight (lbs): 18.86
Accent Finish: PSS
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 39
Total Output Wattage (W): 30
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500 mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming

## LED

Number of LEDs: 5
Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 3000
Max. Delivered Lumen (lm): 4330
CRI: >90 CRI

## OPTICAL

## RATINGS AND CERTIFICATIONS

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

## SPECIFIER

QUANTITY

```
DATE
```



Ø220mm $8^{11 / 16^{\prime \prime}}$

OSCURA MAX - 5 LIGHT CLUSTER SUSPENSION

$\square$

## OSCURA MAX - 5 LIGHT CLUSTER SUSPENSION

D141228- : D141228-30K-CHR-TRA $\qquad$ $-$
$\qquad$ Temperature Finish Options

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

Series: Oscura Max
Subseries: Oscura Max - 5 Light Cluster
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 560
Diameter (in): $221 / 16$
Height (mm): 560
Height (in): $22^{1 / 16}$
Max. Overall Height (mm): 2560
Max. Overall Height (in): $100{ }^{13} / 16$
Light Distribution: Omnidirectional
Weight (kg): 8.555
Weight (lbs): 18.86
Accent Finish: PSS
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 39
Total Output Wattage (W): 30
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500 mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming

## LED

Number of LEDs: 5
Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 3000
Max. Delivered Lumen (lm): 4330
CRI: >90 CRI

## OPTICAL

RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20


OSCURA MAX - 5 LIGHT CLUSTER SUSPENSION


## OSCURA MAX - 3 LIGHT LINEAR SUSPENSION

## QUANTITY

| D141229- |  | - | - |
| :---: | :---: | :---: | :---: |
| base number | Color | Finish | Finish |
|  | Temperature | Options | 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

Series: Oscura Max
Subseries: Oscura Max-3 Light Linear
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Suspension
Mounting Location: Ceiling
Subcategory: Pendant

## PHYSICAL

Shape: Round
Diameter (mm): 220
Diameter (in): $8^{11 / 16}$
Length (mm): 1200
Length (in): $47 \frac{1}{4}$
Height (mm): 240
Height (in): $97 / 16$
Max. Overall Height (mm): 2240
Max. Overall Height (in): 88 3/16
Light Distribution: Omnidirectional
Weight (kg): 3.400
Weight (lbs): 7.50
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Accent Finish: PSS
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable
ELECTRICAL
Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 23.4
Total Output Wattage (W): 18
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500 mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V
Dimming
LED
Number of LEDs: 3
Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 2700 / 3000
Max. Delivered Lumen (lm): 2598
CRI: >90 CRI

## OPTICAL

RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20


OSCURA MAX - 3 LIGHT LINEAR SUSPENSION

| PROJECT |
| :--- |
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |

D141229-


## OSCURA MAX SURFACE


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: Oscura Max
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Surface
Mounting Location: Wall
Subcategory: Ambient

## PHYSICAL

Shape: Round
Diameter (mm): 220
Diameter (in): $8^{11 / 16}$
Height (mm): 220
Depth (mm): 270
Height (in): $811 / 16$
Depth (in): $10 \frac{5}{8}$
Light Distribution: Omnidirectional
Weight (kg): 1.090
Weight (lbs): 1.09
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Fixture Material: Glass / Metal
Cable Details: 2,000mm Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Wattage (W): 7.8
Total Output Wattage (W): 6
Dimming: Non-Dimmable
Driver Included: Yes
Driver Location: Integrated
Input Voltage (V): 120-277
Constant Current (MA): 500mA
Upon Request: Non-Dimming / Phase Dimming (120Vac only) / 0-10V Dimming

## LED

Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 2700 / 3000
Max. Delivered Lumen (Im): 866
CRI: >90 CRI
OPTICAL

## RATINGS AND CERTIFICATIONS

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

TYPE

## SPECIFIER

QUANTITY
dATE


## $43 / 4^{\prime \prime}$

Ø120mm



Ø220mm
$8^{111 / 16^{\prime \prime}}$


270mm 10 5/8"


OSCURA MAX PORTABLE

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: Oscura Max
Brand: Cangini \& Tucci
Division: Design
Mounting Type: Portable
Mounting Location: Table
Subcategory: Ambient

## PHYSICAL

Shape: Round
Diameter (mm): 220
Diameter (in): $8^{11 / 16}$
Height (mm): 270
Height (in): 10 5
Light Distribution: Omnidirectional
Weight (kg): 1.200
Weight (lbs): 2.66
Fixture Finish: AMB / BLK / BRZ / GLD / GRN / PNK / RGD / RUB / SKB /
SMK / STE / TOB / TRA
Holder Finish: CHR / WHI / BLK / BCR
Fixture Material: Glass / Metal
Cable Details: $2,000 \mathrm{~mm}$ Transparent cable

## ELECTRICAL

Lamp Type: LED (Zhaga Standard)
Input Voltage (V): 120
LED
Color Temperature ( ${ }^{\circ} \mathrm{K}$ ): 2700 / 3000
Max. Delivered Lumen (lm): 866
CRI: >90 CRI

## OPTICAL

RATINGS AND CERTIFICATIONS
Certified By: Certified for North American Standards
IP rating: IP20

## SPECIFIER

QUANTITY
DATE


## OSCURA MAX

| PROJECT |
| :--- |
| TYPE |
| SPECIFIER |
| QUANTITY |
| DATE |

## Fixture Finish



## Holder Finish





OSCURA MAX - MONOPOINT,OSCURA MAX - 3

Accent Finish


Page 22/23

## ZANEEN

## OSCURA MAX

## LEGEND

| $\downarrow$ | floor－mounted | T | pivotable | ＊ | special LED（upon request）RGB，RGBW，tunable， gold + ，meat + ，art＋，fashion + |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 7 | wall and ceiling：recessed and surface mounted | 3 | rotating | － | warm dim／natural dimming LED |
| $\uparrow$ | ceiling－mounted and wall－mounted | $0 \leqslant$ | illuminate tilted | （4） | rechargeable battery powered |
| $\rightarrow$ | wall－mounted | 区 | color of suspension cable | $\stackrel{1}{1 / l l}$ | fixture with natural vivid LED（upon request） |
| Y | omni－directional light distribution | $\downarrow$ | length of suspension cable | CRI | color rendering index |
| $\triangle$ | direct light distribution | $\square$ | reflector degree selection | ${ }^{\circ} \mathrm{K}$ | color temperature |
| $\square$ | direct／indirect light distribution | ${ }_{5}{ }^{\text {5 }}$ s | super spot | （LM） | lumen（luminous flux） |
| ？ | indirect light distribution | $\overline{\mathbb{M}}$ | lens | $\frac{\text { L }}{\text { W }}$ | efficacy（lumens per watt） |
| － | asymmetric light distribution | Q | lens pack | （IGR） | Unified Glare Rating（UGR）range from 5－40 |
| $\square$ | aura light distribution | $\bigcirc$ | shine ring |  | marine grade（AISI 316 stainless steel） |
| $¢_{8}$ | round wall or ceiling cut－out | $\bigcirc$ | integrated shine ring with diffuser | （＊）0） | walk on |
| － | square wall or ceiling cut－out | － | free individual colors 01－29 | （ | drive on |
| ¢ ${ }^{5}$ | the supplied jig specifies the cutout dimensions | 6́ | individual colors： 00 （free of charge），01－25（extra charge） charge） | －sis | Dark Sky Compliance |
| $\mathrm{O}_{\mathrm{m}} \mathrm{m}$ | minimum distance（meters）lamp－object | $\checkmark$ | luminaire part to be colored（F1） | c | Americans with Disabilities Act（less than 4＂off the wall located between $27^{\prime \prime}-84^{\prime \prime}$ from floor） |
| £ | recessed depth | A | luminaire part to be colored（F2） | 图年 | lamp protected against explosion |
| ¢ | ceiling thickness in mm | － | luminaire part to be colored（F3） | (这) | blown glass using traditional methods by master glass blower |
| － | ceiling thickness selection |  | luminaire part to be colored（F4） | （1）） | acoustic material |
| ＂ | dimmable DP（phase），DV（0－10V），DD（dali），DS （step－dim） | $\bigcirc$ | luminaire part to be colored（F5） | $\stackrel{1}{\rho}$ | protection class I，protection insulation |
| 5 | included or excluded LED driver／transformer／ control gear | － | color of 3－circuit adaptor | $\square$ | protection class II，protection insulation |
| $\bigcirc$ | separately switchable | $\bigcirc$ | indirect diffuser | （©10） | ETL Certified to UL and CSA Standards |
| －$)$ | sensor | （D） | direct diffuser | （14） | UL Certified to UL and CSA Standards |
| 5 | remote control | 6 | ball－proof（upon request） | （61） | CSA Certified to UL and CSA Standards |
| 2 | available upon request | （1） | accessory | （2．） | Certified for North American Standards |

## IP RATING

| 1120 | protected against ingress of solid bodies greater than 12.5 mm （finger） |
| :---: | :---: |
| （123） | protected against ingress of solid bodies greater than 2.5 mm protected against sprays of water up to 60 degrees from the vertical（rain） |
| 1940 | protected against ingress of solid bodies greater than 1 mm （wire） no protection against the ingress of moisture |
| （193） | protected against ingress of solid bodies greater than 1 mm （wire） protected against sprays of water up to 60 degrees from the vertical（rain） |
| （194） | protected against ingress of solid bodies greater than 1 mm （wire） protected against water splashed from all directions |
| 1954） | protected against limited ingress of dust（wet rooms／covered outdoor areas） protected against water splashed from all directions |
| ${ }^{1865}$ | protected against ingress of dust protected against jets of water |
| ${ }^{186}$ ） | protected against ingress of dust <br> protected against powerful jets of water or heavy seas |
| ${ }^{(1067)}$ | protected against ingress of dust <br> protected against immersion of water between $15 \mathrm{~cm}-1 \mathrm{~m}$ for 30 minutes |
| ${ }^{1068}$ | protected against ingress of dust protected against immersion of water under pressure for long periods |

## IK RATING

（101）protected against 0.14 joules impact（equivalent to 0.25 kg mass dropped from 56 mm above the surface）
（1602）protected against 0.2 joules impact（equivalent to 0.25 kg mass dropped from 80 mm
${ }^{102)}$ above the surface）
„к03 protected against 0.35 joules impact（equivalent to 0.25 kg mass dropped from 140 mm （1003）above the surface
IK04 protected against 0.5 joules impact（equivalent to 0.25 kg mass dropped from 200 mm
${ }^{-1}$ above the surface）
（105）protected against 0.7 joules impact（equivalent to 0.25 kg mass dropped from 280 mm
（K05）above the surface）
IKo6）protected against 1 joules impact（equivalent to 0.25 kg mass dropped from 400 mm abov the surface）
1к07）protected against 2 joules impact（equivalent to 0.5 kg mass dropped from 400 mm above $\cdots$ the surface）
（ko8）protected against 5 joules impact（equivalent to 1.7 kg mass dropped from 300 mm above the surface）
IKO9）protected against 10 joules impact（equivalent to 5.0 kg mass dropped from 200 mm abov $\cdots$ the surface）
IK10 protected against 20 joules impact（equivalent to 5.0 kg mass dropped from 400 mm above
the surface）

