

A3657900

DESCRIPTION

2Look4 160 Closed System - Aluminum Profile Per Meter - Max 3,000mm / 118 1/8"

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	

Mounting Location: Ceiling	
PHYSICAL	
Shape: Rectangle	
Length (mm): 1000	
Length (in): 39 ³ / ₈	
Width (mm): 39	
Width (in): 1 %	
Height (mm): 31	
Height (in): 1 1/4	
Weight (kg): 0.67	
Weight (lbs): 1.48	
Fixture Material: Aluminum	

ELECTRICAL

Driver Included: No

RATINGS AND CERTIFICATIONS

PROJECT	
ТҮРЕ	
NOTES	
YTITMAUQ	
DATE	



ZANEEN

A32L4160-TRI-SYS COMPONENTS

A38477-

DESCRIPTION

2Look4Light 160 System - Bioniq Spot - Profile Insert - 95mm/3 3/4" - 14.5W LED (Zhaga Standard) - 2700K / 3000K / 3500K / 4000K - Reflectors 20°/40°/60°

GENERAL

Series: Bionia Brand: Prolicht Division: Architectural

Subcategory: Downlight

PHYSICAL

Shape: Round

Diameter (mm): 95

Diameter (in): 3 3/4 Height (mm): 112

Height (in): 4 1/16

Min. Recessing Depth (mm): 180

Min. Recessing Depth (in): 7 1/16

Light Distribution: Adjustable / Downlight

Weight (kg): 0.379

Weight (lbs): 0.836

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS /

Fixture Material: Aluminum

ELECTRICAL

Input Wattage Range: 10 - 19 W

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 14.5

Total Output Wattage (W): 13.2

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac

only) and 0-10V Dimming)

Driver Included: Yes

Driver Location: External

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 500

Delivered Lumen Range: 500 - 1999 lm

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 876 / 909 / 955 / 974

Nominal Lumen (lm): 1304 / 1352 / 1421 / 1450

CRI: >90 CRI

Efficiency (%): 88

Lamp Life (hrs): 50000

Upon Request: Tunable White Special Color Temperature Special LED

OPTICAL

Reflector°: 20 / 40 / 60

Adjustability: Rotational 355°; Tilt 30°

Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

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

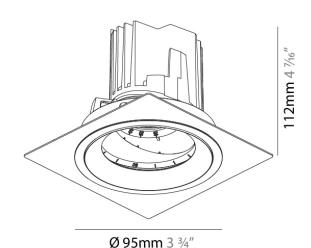
PROJECT TYPE

NOTES

QUANTITY

DATE











A38480-

DESCRIPTION

2Look4Light System - Bioniq Spot - 125mm/4 15/16" - 26.4W LED (Zhaga Standard) - 2700K / 3000K / 3500K / 4000K - Reflectors 18°/36°

GENERAL

Series: Bioniq
Brand: Prolicht

Division: Architectural

Subcategory: Downlight

PHYSICAL

Shape: Round

Diameter (mm): 125

Diameter (in): 4 15/16

Height (mm): 136

Height (in): 5 3/8

Min. Recessing Depth (mm): 200

Min. Recessing Depth (in): 7 $\frac{7}{8}$

Light Distribution: Adjustable / Downlight

Weight (kg): 0.686

Weight (lbs): 1.512

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum Die Cast

ELECTRICAL

Input Wattage Range: 20 - 29 W

Lamp Type: LED (Zhaga Standard)

Input Wattage (W): 26.4

Dimming: Tri-Mode (Non-Dimming and Phase Dimming (120Vac only) and 0-10V Dimming) $\,$

Driver Included: Yes

Driver Location: External

Driver Type: Constant Current - Universal

Driver Class: Class 2

Input Voltage (V): 120 - 277

Constant Current (MA): 700

LED

Delivered Lumen Range: 2000 - 2999 lm

Number of LEDs: 1

Color Temperature (°K): 2700 / 3000 / 3500 / 4000

Max. Delivered Lumen (lm): 2030 / 2080 / 2185 / 2230

Nominal Lumen (lm): 3210 / 3290 / 3459 / 3530

CRI: >90 CRI

Lamp Life (hrs): 50000

Upon Request: RGB-W Tunable White Special Color Temperature Special LED

OPTICAL

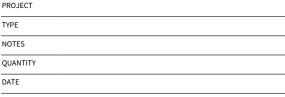
Reflector°: 18 / 36

Adjustability: Rotational 355°; Tilt 30°

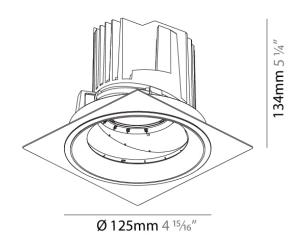
Upon Request: Special Beam Angles

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards



















A38534-

DESCRIPTION

2LOOK4 160 CLOSED - Channel per Meter with Cuts of choice - Max 3,000mm / 118 1/8"

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	
PHYSICAL	
Shape: Rectangle	
Longth (mm), 1000	

Length (mm): 1000
Length (in): $39\frac{3}{6}$ Width (mm): 165
Width (in): $6\frac{1}{2}$ Height (mm): 45Height (in): $1\frac{3}{4}$ Weight (kg): 2.4

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

Weight (lbs): 5.29

PROJECT		
TYPE		
NOTES		
QUANTITY		
DATE		





A38535-

DESCRIPTION

2LOOK4 160 CLOSED - 1,200mm / 47 1/4" - Blank Channel without Holes

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	

PHYSICAL
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 12.5
Height (in): 1/2
Weight (kg): 2.8
Weight (lbs): 6 3/16
Fixture Finish: SSR / BKV / CWI / CRV / HAB / LAG / LIFT / ITA / RIJA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

OJECT	
PE	
DTES	
JANTITY	
NTE	





A38536-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 1 Hole - 1200mm / 47 1/4" for Spot - 1 x 95mm / 3 3/4" Hole

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	

PHYSICAL

PHISICAL
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 ¾
Weight (kg): 2.4
Weight (lbs): 5.29
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 95mm / 3 3/4" cutout

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

OJECT	
PE	
DTES	
JANTITY	
TE	





A38537-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 1 Hole - 1,200mm / 47 1/4" for Spot - 1 x 125mm / 4 15/16" Hole

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	

PHYSICAL

Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 ³ / ₄
Weight (kg): 2.4
Weight (lbs): 5.29
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum
Cut-out Measurements: 125mm / 4 15/16"

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

PROJECT		
ТҮРЕ		
NOTES		
QUANTITY		
DATE		





A38538-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 2 Hole - 1,200mm / 47 1/4" for Spot - 2 x 95mm / 3 3/4"Hole

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	

PHYSICAL

11113167.2
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 ¾
Weight (kg): 2.664
Weight (lbs): 5.87
Eixturo Einich: SSD / BKV/ / CWI / CDV / HAR / LAG / LIET / ITA / DLIA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 2 x 95mm / 3 3/4"

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

PROJECT		
ТҮРЕ		
NOTES		
QUANTITY		
DATE		





A38539-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 2 Hole - 1,200mm / 47 1/4" for Spot - 2 x 125mm / 4 15/16" Hole

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	

PHYSICAL

PHISICAL
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 1/4
Weight (kg): 2.4
Weight (lbs): 5.29
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 2 x 125mm / 4 15/16"

RATINGS AND CERTIFICATIONS

DJECT	
PE	
TES	
ANTITY	
TE .	





A38540-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 2 Hole Long - 1,200mm / 47 1/4" for Spot - 2 x 95mm / 3 3/4" Hole

GENERAL

PHYSICAL	
Subcategory: Profile	
Mounting Location: Ceiling	
Division: Architectural	
Brand: Prolicht	
Series: 2Look4 160	
Series: 21 ook4 160	

TSICAL
ape: Rectangle
ngth (mm): 1200
ngth (in): 47 ¹ / ₄
dth (mm): 165
dth (in): 6 ½
ght (mm): 45
ght (in): 1 ³ / ₄
ight (kg): 2.664
ight (lbs): 5.873
ture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA /

 ${\tt RUR\,/\,MIC\,/\,FTG\,/\,MYG\,/\,TWT\,/\,LOD\,/\,PUS\,/\,FRO\,/\,FUP\,/\,KIA\,/\,POP\,/}$ BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 2 x 95mm / 3 3/4" Holes

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

ROJECT	
PE	
DTES	_
JANTITY	_
ATE .	_





A38541-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 2 Hole Long - 1,200mm / 47 1/4" for Spot - 2 x 125mm / 4 15/16" Hole

GENERAL

CENTEROLE	
Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	
Mounting Location: Ceiling	
Subcategory: Profile	
PHYSICAL	
Shape: Rectangle	

1111316712
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 ¾
Weight (kg): 2.4
Weight (lbs): 5.29
Eixtura Einich: SSD / BKV/ / CMI / CDV / HAD / LAC / LIET / ITA / DLIA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 2 x 125mm / 4 15/16"

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

OJECT	
PE	_
TES	_
ANTITY	_
TE	_





A38542-

DESCRIPTION

2LOOK4 160 CLOSED - Channel 3 Hole Long - 1,200mm / 47 1/4" for Spot - 3 x 95mm / 3 3/4" Holes

GENERAL

Series: 2Look4 160
Brand: Prolicht
Division: Architectural
Mounting Location: Ceiling
Subcategory: Profile

PHYSICAL

11131672
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 ¾
Weight (kg): 2.664
Weight (lbs): 5.87
Eixturo Einich: CCD / DKV/ / CMI / CDV / HAD / LAC / LIET / ITA / DLIA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 3 x 95mm / 3 3/4" Holes

RATINGS AND CERTIFICATIONS

PROJECT		
ГҮРЕ		
NOTES		
QUANTITY		
DATE	-	





A38543-

DESCRIPTION

22LOOK4 160 CLOSED - Channel 3 Hole Long - 1,200mm / 47 1/4" for Spot - 3 x 125mm / 4 15/16" Holes

GENERAL

Series: 2Look4 160
Brand: Prolicht
Division: Architectural
Mounting Location: Ceiling
Subcategory: Profile
PHYSICAL
Shape: Rectangle

PHISICAL
Shape: Rectangle
Length (mm): 1200
Length (in): 47 ¹ / ₄
Width (mm): 165
Width (in): 6 ½
Height (mm): 45
Height (in): 1 ³ / ₄
Weight (kg): 2.4
Weight (lbs): 5.29
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA /

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

Cut-out Measurements: 3 x 125mm / 4 15/16"

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

OJECT	
PE	_
TES	_
ANTITY	_
TE	_





A3876399

DESCRIPTION

2LOOK4 160 CLOSED - Mounting Frame for Bioniq 95mm/ 3 3/8" Spot

GENERAL

Seri	es:	Bi	oni	q		
Sub	ser	ries	: 21	_(0	ļ
_		_			_	_

k4 160 Closed System

Brand: Prolicht

Division: Architectural

PHYSICAL

Shape: Round

Diameter (mm): 95

Diameter (in): 3 1/4

Height (mm): 23

Height (in): 7/8

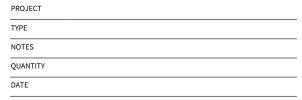
Weight (kg): 0.129

Weight (lbs): 0.284

Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards









A3876499

DESCRIPTION

2LOOK4 160 CLOSED - Mounting Frame for Bioniq 125mm / 4 15/16" Spot

GENERAL

Series: Bioniq
Subseries: 2Look4 160 Closed System
Brand: Prolicht
Division: Architectural
PHYSICAL
Shape: Round
Diameter (mm): 125
Diameter (in): 4 15/16
Height (mm): 23
Height (in): 7/8
Weight (kg): 0.153
Weight (lbs): 0.337
Fixture Material: Aluminum

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards









A3951700

DESCRIPTION

2LOOK4 160 CLOSED - Frame Alignment Kit

GENERAL

Series: 2Look4 160
Brand: Prolicht
Division: Architectural
Mounting Location: Ceiling
PHYSICAL
Shape: Rectangle
Length (mm): 167
Length (in): 6 %
Width (mm): 115
Width (in): 4 ½
Height (mm): 25
Height (in): 1

RATINGS AND CERTIFICATIONS

Certified By: Certified for North American Standards

IP rating: IP20

Weight (kg): 0.34
Weight (lbs): 0.75
Fixture Material: Aluminum

DJECT	
E	
TES	
ANTITY	
E	_





A39585-

DESCRIPTION

2LOOK4 160 CLOSED - End Component

GENERAL

Series: 2Look4 160	
Brand: Prolicht	
Division: Architectural	

Division, 7 il cinecectarat
PHYSICAL
Shape: Rectangle
Length (mm): 163
Length (in): 6 $\frac{7}{16}$
Width (mm): 38
Width (in): 1 ½
Height (mm): 67
Height (in): 2 ⁵ / ₈
Weight (kg): 0.23
Weight (lbs): 0.51
Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA

Fixture Finish: SSR / BKV / CWI / CRY / HAB / LAG / UFT / ITA / RUA / RUR / MIC / FTG / MYG / TWT / LOD / PUS / FRO / FUP / KIA / POP / BLS / SPG / MEY / GOH / GUM / CHC / COM / ABZ / JAG / OBR / MOS / ROR

Fixture Material: Aluminum

ELECTRICAL

Driver Included: No

RATINGS AND CERTIFICATIONS

PROJECT		
TYPE		
NOTES		
QUANTITY		
DATE		





PROJECT		
TYPE		
NOTES		
QUANTITY		
DATE		

LEGEND

100				-	1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<u></u>	floor-mounted	¥	pivotable	⊛	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	0	rechargeable battery powered
\rightarrow	wall-mounted	I	color of suspension cable	in the second	fixture with natural vivid LED (upon request)
Y	omni-directional light distribution	1	length of suspension cable	CRI	color rendering index
À	direct light distribution	Δ	reflector degree selection	℃	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	8	lens pack	UGR	Unified Glare Rating (UGR) range from 5-40
$\overline{\Lambda}$	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	Ĉ	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
<u></u>	ceiling thickness in mm		luminaire part to be colored (F3)	4	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
8	separately switchable	\odot	indirect diffuser		ETL Certified to UL and CSA Standards
•	sensor	0	direct diffuser	շ (Մ) սո	UL Certified to UL and CSA Standards
	remote control	1	ball-proof (upon request)	(II)	CSA Certified to UL and CSA Standards
9	available upon request	O	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

above the surface)

\sim	above the sarrace,
IK03	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)
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) $$
IK08	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)

protected against 20 joules impact (equivalent to 5.0kg mass dropped from 400mm above the surface)

protected against 0.14 joules impact (equivalent to 0.25kg mass dropped from 56mm

protected against 0.2 joules impact (equivalent to 0.25kg mass dropped from 80mm above the surface)