LIGHTING PROTECTION RATINGS RESOURCE CARD

Ligh	ting ID		IPX	Moisture			
LIGU	ting IP			Prote	ction		
	ection R	X	9	High Pressure & Temperature Jet			
PROTECTION FROM SOLID OBJECTS/DUST & MOISTURE			8	Pressure Watertight >1m submer- sion tested at 1.3x Rating			
IP_X		ects & Dust ection	7	Watertight 1m submersion			
6	Dust Tight No dust entry		6	Powerful Jet Proof 100kN/m ²	-88		
5	Dust Proof		5	Jet Proof 30kN/m ²			
4	Solid Objects ≻1mm		4	Splash Proof Water spray 360°			
3	Solid Objects >2.5mm		3	Rain Proof Water Spray 60° from vertical			
2	Accessibility Probe >12mm		2	Drip Proof when tilted 15° from vertical			
1	Solid Objects >50mm		1	Drip Proof Vertical Drops			
0	Not Protected	/Evaluated	0	Not Protected/Ev	Evaluated		

GLOBAL LIGHTING SOLUTIONS PARTNER

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Lighting IK Protection Ratings "IKXX"

Degrees of protection against external mechanical impacts

IK Code	IK00		IK01	IK02	IK03	IK04	IK05	
Impact Energy, J	Not protected		0,14	0,2	0,35	0,5	0,7	
IK Code	IK06		IK07	IK08	IK09	IK10		
Impact Energy, J	1		2	5	10	20		
IEC		COLOR CODING			N	NORTH AMERICA		
BROWN	LINE				BLACK			
BLUE	NEUTRAL				WHITE			
GREEN&YELI	EARTH / GROUND 🕀				GREEN			
IEC	BRANCH WIRE			N	NORTH AMERICA			
1.5mm ² -2.5r	TYPICAL SIZE				14-12 AWG			
IEC	CLASSIFICATIONS			NO	NORTH AMERICA			
CLASS I	EARTH / GROUND				GROUNDED			
CLASS II 🔲		DC	DOUBLE INSULATION					
CLASS III		LO	LOW VOLTAGE SUPPLY			Class 2 Powered		

COMMON IEC SYMBOLS AND RATINGS FOR LIGHTING

ta	Ambient Temperature Rating				
t	Maximum Case Temperature Rating				
t _w	Maximum Winding Temperature Rating				
Uout	Maximum Working Voltage (Used for Spacings and Dielectrics)				
	Class II – Double Insulated (Not Earthed/Grounded)				
	Class III – SELV powered (Not Earthed/Grounded)				
$\textcircled{\begin{tabular}{c} \hline \hline$	Lamp Control Gear with SELV Output				
\bigcirc	Independent Lamp Control Gear				
	Built-In LED Module				
	Do Not Stare at Light Source (Required for certain Photobiological Classifications)				
4	Caution – Risk of Shock				
	Temperature Declared Thermally Protected Lamp Control Gear (End product testing simplified if less than 130)				
	Recessed – Not intended for Insulation Contact				

Indispensable resource for worldwide voltages, frequencies and plug types: www.iec.ch/worldplugs/





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