RHINO – 80 SQUARE

Continuous suspended/surface mounted linear aluminium profile with integral driver IP 65

RHINO – 80 SQUARE

Black

Natural Anodised

White

IP 65 **IK 10**

Continuous suspended/surface mount IP 65 linear aluminium profile 88 x 89mm (WxH) complete with stand-alone surge protection. Replaceable modular gear trays. Samsung LED package, 3 MacAdam steps. Integral driver with current selection. Minimum luminaire efficacy rating of 115lm/W (CRI80), L90 B10 102,000h. PolyLED diffusers with no visible spotting and uniform appearance. Minimum 7 year warranty

Base System:
Australian made high grade aluminium profile, replaceable modular gear tray, stand-alone surge protection, 4mm screwed endplates, IP 65 rating

Light Engine:
Custom board with Samsung LED package, quality European drivers as standard

Optics:
High performance PolyLED diffuser with no visible spotting and uniform appearance

Mounting Options:
Surface Mounted, Wire Suspended, Rod Suspended, Custom Wall Mounted

RHINO – 80 SQUARE | CHARACTERISTICS

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KEY ADVANTAGES

- Australian made high grade aluminium profile
- Replaceable modular gear trays
- Stand-alone surge protection
- 4mm screwed endplates
- High performance PolyLED diffuser with no visible spotting and uniform appearance
- Very high degree of impact resistance and a high tightness level

GENERAL INFORMATION

Installation type	Surface Mounted, Wire Suspended, Rod Suspended, Custom Wall Mounted
RCM Mark	Yes
Certifications	AS/NZS/IEC 60598, ROHS

HOUSING AND FINISH

Housing	High grade aluminium profile Finish: Natural Anodised or Powder Coated
Gear tray	High grade extruded aluminium profile
End plates	Aluminium screwed endplate Finish: Natural Anodised or Powder Coated
Light distribution	Direct
Optics/Diffuser	PolyLED (PC)
Tightness level	IP 65
Impact resistance	IK 10

PERFORMANCE

Lumen package range (lm/m)	Min	1304
	Max	3545
Power consumption range (W)	Min	11.4
	Max	30.1
Efficacy (lm/W) up to	119	

OPERATING CONDITIONS

Operating temperature range (Ta)	-25°C up to +50°C (Dependant on application)

ELECTRICAL INFORMATION

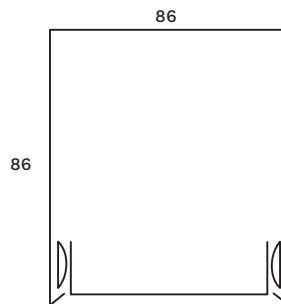|	
Electrical class	Class 1
Nominal voltage	198-264V – 50Hz
Power factor (at full load)	> 95%
Surge protection (kV)	10kV / 10kA
LED Engine	SELV
Control protocol(s)	Fixed Output, DALI, Touch Dim
Control options	Based on application and design architecture

OPTICAL INFORMATION

LED colour temperature	Standard: 3000K, 4000K Optional: 2700K, 5000K, 6500K, Tuneable white 2700K-6500K, RGBW
Colour rendering index (CRI)	>80 Optional: >90
Standard Deviation Colour Matching (SDCM)	3 MacAdam Steps

RATED LUMEN MAINTENANCE

All configurations	L90 B10=102,000h

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DIMENSIONS AND MOUNTING

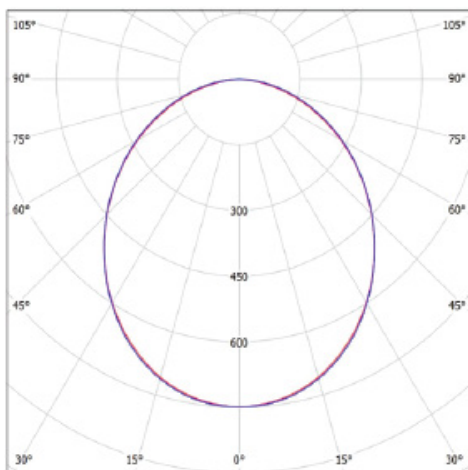|	
W x H (mm)	86 x 86
Weight (kg/m)	4.8
Mounting possibilities	Surface Mounted, Wire Suspended, Rod Suspended, Custom Wall Mounted

PERFORMANCE

Output Current (mA)	Lumen Output (lm/m)	System Power (W/m)	System Efficacy (lm/W)
350	1304	11.4	115
400	1485	12.8	116
500	1836	15.5	119
600	2195	18.4	119
700	2541	21.3	119
800	2881	24.1	119
900	3216	27.0	119
1000	3545	30.1	118

Note: The above output values are 'delivered' lumens. This takes into consideration the optical efficacy of the luminaire.
Above values are based on 4000K colour temperature and 25° C ambient temperature. Outputs for 1m length.

LIGHT DISTRIBUTIONS

RHINO 80 SQUARE Polar Curve
cd ——— C0-C180
——— C90-C270

TO SPECIFY

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