

GREENSTAR – 80 GS RECESSED LOUVRE

Continuous recessed linear aluminium profile complete with integral driver

GREENSTAR – 80 GS RECESSED LOUVRE



Continuous recessed linear aluminium profile 83 x 84mm (WxH) with optional stand-alone surge protection. Replaceable modular gear trays. Samsung LED package, 3 MacAdam steps. Integral driver with current selection. Minimum luminaire efficacy rating of 104lm/W (CRI80), L80 B10 123,000h. PlexiLED + Louvre diffusers with no visible spotting and uniform appearance. Section joins secured by way of tool-less constant pressure Kwik-Lock fastener with polarised plug connection system. Minimum 7 year warranty.



IP 20



Base System:

Australian made high grade aluminium profile, replaceable modular gear trays, optional stand-alone surge protection

Light Engine:

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

Optics:

High performance PlexiLED diffuser and parabolic louvre with no visible spotting and uniform appearance

Accessories:

Unlit mitre bends (contact Austube for available angles), Emergency packs, Spitfires, Downlights

Mounting Options:

Recessed Brackets



KEY ADVANTAGES

- Australian made high grade aluminium profile
- Replaceable modular gear trays
- Optional stand-alone surge protection
- 2mm screwed endplates
- SELV LED Engine
- High performance PlexiLED + Louvre diffusers with no visible spotting and uniform appearance

GENERAL INFORMATION

Installation type	Recessed Brackets
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	PlexiLED (PMMA) + Louvre
Tightness level	IP 20

PERFORMANCE

Lumen package range (lm/m)	Min 1287
	Max 3562
Power consumption range (W)	Min 12.4
	Max 32.1
Efficacy (lm/W) up to	113

OPERATING CONDITIONS

Operating temperature range (Ta)	-25°C up to +40°C (Dependant on application)
----------------------------------	---

ELECTRICAL INFORMATION

Electrical class	Class 1
Nominal voltage	198-264V – 50Hz
Power factor (at full load)	> 95%
Surge protection (kV)	Mains surge capability (between L/N – PE) 2kV Optional 10kV with stand-alone SPD
LED Engine	SELV
Control protocol(s)	Fixed Output, DALI, Switch Dim/ Touch Dim/ Push Dim
Control options	Based on application and design architecture
Sensor/automation	Integrated accessories (optional - on request)

OPTICAL INFORMATION

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

RATED LUMEN MAINTENANCE

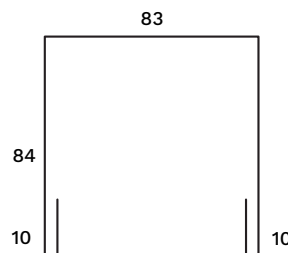
All configurations	L70 B10 = 195,000h Reported L70>54,000h
	L80 B10 = 123,000h Reported L80>54,000h

ACCESSORIES

Unlit mitre bends (Contact Austube for angles),
Emergency packs, Spitfires,
Downlights

DIMENSIONS AND MOUNTING

W x H (mm)	83 x 84
Weight (kg/m)	3.8
Mounting possibilities	Recessed Brackets

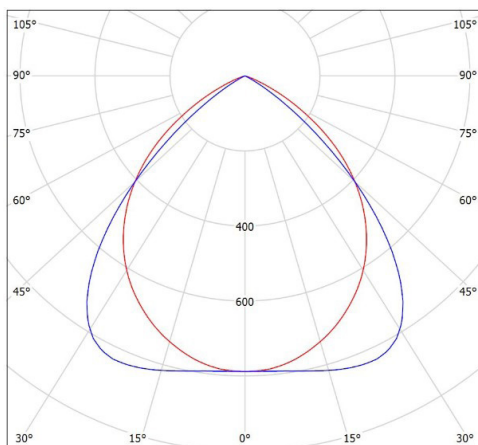


PERFORMANCE

Output Current (mA)	Lumen Output (lm/m)	System Power (W/m)	System Efficacy (lm/W)
350	1287	12.4	104
400	1461	14.0	104
500	1802	17.0	106
600	2134	20.4	105
700	2554	22.6	113
800	2899	25.9	112
900	3239	29.2	111
1000	3562	32.1	111

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



GREENSTAR 80 GS RECESSED LOUVRE Polar Curve
 cd — C0-C180
 — C90-C270

TO SPECIFY

Continuous recessed linear aluminium profile 83 x 84mm (WxH) with optional stand-alone surge protection. Replaceable modular gear trays. Samsung LED package, 3 MacAdam steps. Integral driver with current selection. Minimum luminaire efficacy rating of 104lm/W (CRI80), L80 B10 123,000h. PlexiLED + Louvre diffusers with no visible spotting and uniform appearance. Section joins secured by way of tool-less constant pressure Kwik-Lock fastener with polarised plug connection system. Minimum 7 year warranty.