GEWISS

Product Data Sheet
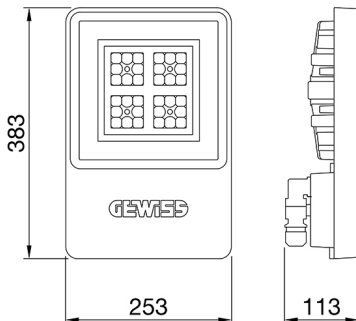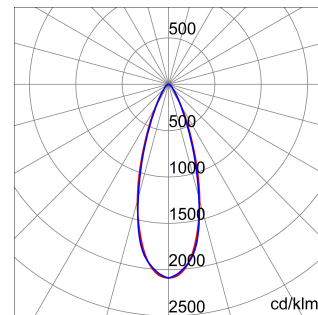
GWS4120AF857

SMART [4]

Smart [4] is a series of LED indoor appliances suitable for the lighting of industries and sports facilities. It is available in HE (High Efficiency), HLO (High Lumen Output) and integrated DALI Emergency. Three different sizes available: 1M, 2M and 4M. The body is made of "Halogen-free" nylon loaded with grey glass fibre (RAL7035) with vent and anti-condensation device, heat dissipation device in aluminium alloy EN AB 44300. It is equipped with a dual optical system that includes a metallic reflector with ARRAY optics and a metallic reflector with UV stabilized PMMA lenses, with high efficiency, which allow a wide variety of light distributions 30°, 60°, 90°, Asymmetric and Elliptical. The version with through wiring has pre-wired mechanical and electrical connection components. Suspension, wall and projection appliances can be installed. It is available with three types of Colour Temperature (3000K / 4000K / 5700K), Color Rendering Index CRI>80 and two power supply options (ON/OFF or DALI).

GENERAL INFORMATION	-
Context	Logistics and industrial manufacturing lighting
Luminaire	LED Industrial Reflector
Application	Internal
Unique digital code (Datamatrix)	Datamatrix
Colour	Grey RAL 7035
Type of light source	LED
System power	48 W
LED Lifetime	L90B10(Tq25°C)>150.000h; L90B10 (Tq50°C)=100.000h
Weight (kg)	3.5
Warranty	5 years
Stocking temperature	-40 +70 °C
Operating temperature	-30°C ÷ +50 °C
MATERIALS	-
Body	PA6 "Halogen Free" loaded fibreglass
Shield type	Tempered glass Thickness 4mm
Optic	Metallic PC reflector and PMMA lenses
Gasket	anti-aging silicone
Locking Hook	-
External screw	Stainless steel
Colour	Grey RAL 7035
STANDARDS AND APPROVALS	-
Classification	-
Device with reduced surface temperature	Yes
DIN 18032-3 certification	Available (under certain installation conditions)
IPEA	-
Insulation class	I
IP degree	IP66
Mechanical resistance	IK08
Glow Wire Test	850 °C

OPTIC AND ILLUMINATING FEATURES	-
Optic	30°
Unified Glare Rating	UGR ≤ 22
Lumen output (lm)	7600
Efficacy (lm/W)	158
Colour temperature	5700 K
Colour Rendering Index	CRI>80
Standard Deviation Colour Matching	SDCM = 3
Photobiological Risk Class	RG0
Standard	EN 60598-1 ; EN 60598-2-1 ; EN 60598-2-24
ELETRICAL AND LIGHTING FEATURES	-
Supply voltage	220 - 240 V
Rated frequency (Hz)	50/60 Hz
Driver	Included
Driver failure rate	F10=70.000h Tq25°C/35.000h Tq50°C
Overvoltage protection	DM 6kV / CM 6kV
Control System	ON / OFF
INSTALLATION AND MAINTENANCE	-
Mounting and installation	Ceiling - Wallmounting - Suspension
Tilt	With bracket accessory
Wiring	With GW connect watertight connector
Fixing	-
Light souce replaceability	By professional
Controlgear replaceability	By professional
Driver Box	Built-in
Maximum surface exposed to the wind	0,097 m²
	-
	-
	-
	-

DIMENSIONAL

383 / 253 / 113

PHOTOMETRIC DISTRIBUTION

TECHNICAL SYMBOLOGY

0,097 m²   IP — IP66   IK — IK08   GWT — 850 °C

STANDARDS/APPROVALS