

Product Data Sheet

GWS6083GD

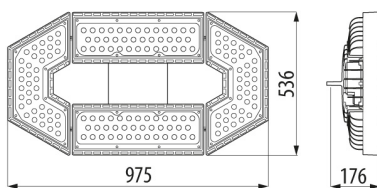
ESALITE HB



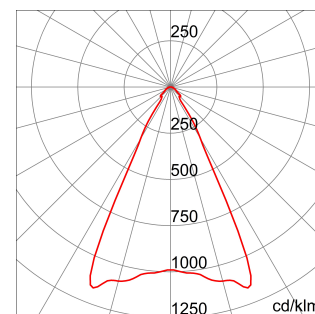
Industrial LED lighting fixture made of die-cast EN AB 46100 aluminum with polyester powder coating. Correct lighting is provided by an optical system composed of different versions of lenses. Silicone gaskets, Goretex breathing and anti-condensation device, 2 waterproof connectors for 1.5 mm² cables and stainless steel external screws. Integrated suspension fixing system thanks to a ring made directly in the die-cast aluminum. The die-cast aluminum structure guarantees optimal performance conditions both @ Ta25 ° and @ Ta50 ° thanks to specific thermal sizing tests. The correct heat dispersion inside ESALITE is guaranteed by the special passive heat sink with a very low copper content that offers high qualitative and quantitative performances.

GENERAL INFORMATION		OPTIC AND ILLUMINATING FEATURES	
Context	Logistics and industrial manufacturing lighting	Optic	Medium 60°
Luminaire Application	LED Industrial Reflector Internal	Unified Glare Rating	UGR ≤ 28
Unique digital code (Datamatrix)	Datamatrix	Lumen output (lm)	48300
Colour	Grey RAL 9006	Efficacy (lm/W)	115
Type of light source	LED	Colour temperature	4000 K
System power	420 W	Colour Rendering Index	CRI>80
LED Lifetime	L90B10 (Tq 25°) 100000 h; L90B10 (Tq 50°) 55000 h	Standard Deviation Colour Matching	SDCM = 3
Weight (kg)	22.5	Photobiological Risk Class	RG0
Warranty	5 years	Standard	EN60598-1; IEC 62778; IEC62471
Stocking temperature	-25°C + +70°C / HR 10% + 85%	ELETRICAL AND LIGHTING FEATURES	
Operating temperature	-25°C + +50°C	Supply voltage	220-240 V
MATERIALS		Rated frequency (Hz)	50/60 Hz
Body	Die-cast aluminium	Driver	Included
Shield type	High transparency PMMA	Driver failure rate	F 10 = 100.000h Tq25°C/50.000h Tq40°C
Optic	PMMA lens	Overvoltage protection	DM 6KV / CM 8KV
Gasket	Silicon	Control System	DALI
Locking Hook	-	INSTALLATION AND MAINTENANCE	
External screw	Stainless steel	Mounting and installation	Suspended
Colour	Polyester powder coated	Tilt	Not possible
STANDARDS AND APPROVALS		Wiring	With watertight connector
Classification	-	Fixing	-
Device with reduced surface temperature	-	Light source replaceability	Non-replaceable
DIN 18032-3 certification	No	Controlgear replaceability	By professional
IPEA	-	Driver Box	Built-in
Insulation class	I	Maximum surface exposed to the wind	0,42 m ²
IP degree	IP65		-
Mechanical resistance	IK07		-
Glow Wire Test	650 °C		-

DIMENSIONAL



PHOTOMETRIC DISTRIBUTION



TECHNICAL SYMBOLOGY



IP
IP65

IK
IK07

GWT
650 °C

STANDARDS/APPROVALS

