

## 10.2: LUMENEX EMERGENCY LIGHTING

## 8W Luminaire

# GENT

by Honeywell



- Suitable for a wide range of interior and exterior applications
- Cost effective with an optically efficient and durable lens design
- Maintained /non-maintained versions
- Weatherproof (fit seal supplied if an IP65 rating is required)
- Snap-fit construction with hinged gear tray
- Simple to install with screw terminal block and a BESA box mounting facility
- Stylish, slim profile design with a range of optional pictograms

TECHNICAL SPECIFICATION	
Emergency Duration	3 hours
Emergency Lamp O/P	105 lumens
Maintained Lamp O/P	185 lumens (LUM8/M)
Construction	3 part self-extinguishing unit incorporating a polycarbonate lens, ABS/PC alloy base and metal geartray. Colour: White
Dimensions	Length 343mm Height 78mm Depth 101mm
Weight	1.0kg (LUM8/NM) 1.2kg (LUM8/M)
Cable Entry	Drill guides on sides and one end. BESA in rear of fitting
Supply Voltage	230Vac +/- 10% 50Hz
Power Consumption	8VA (LUM8/NM) 15VA (LUM8/M)
Recharge Period	24 hours for full 3 hour duration
Battery	NiCad 2.4V 4Ah
Light Source	300mm 8 Watt T5 fluorescent
Monitor	High intensity red LED monitoring charger output and battery connection
Operating Temperature	0 to +25°C
Ingress Protection	IP40 (IP65 when seal fitted)
Warranty	1 year
Certification	CE - Ref. BS 4533 / EN 60598-2-22

## ORDER CODES

8W Luminaire, IP65, LUM8/NM  
Non-maintained

8W Luminaire, IP65, Maintained LUM8/M

Semi-recessing Bezel for LUM8/RB  
8W Luminaire, White

Pictogram, Arrow Down LUM8/PAD

Pictogram, Arrow Left LUM8/PAL

Pictogram, Arrow Right LUM8/PAR

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## 10.2: LUMENEX EMERGENCY LIGHTING

# LumHigh8 Emergency Luminaire

- A flexible high light output luminaire
- A separate mounting bracket and battery compartment makes the Unilux easy to install and maintain
- Elegant and functional design



LumHigh8 Luminaire

TECHNICAL SPECIFICATION	
Emergency Duration	3 hours
Emergency Lamp O/P	137 lumens
Maintained Lamp O/P	150 lumens (LUMHI8/M)
Construction	3 part self-extinguishing unit incorporating a polycarbonate lens, ABS/PC alloy base and metal geartray. Colour: White
Dimensions	Length 363mm Height 83mm Width 149mm
Weight	1.16kg
Cable Entry	16/20mm knockouts on side/end of fitting Provision for rear BESA box mountings
Power Consumption	6VA Non maintained 26VA Maintained
Recharge Period	24 hours for full 3 hour duration
Battery	NiCad 3.6V 4Ah
Light Source	8 Watt T5 fluorescent
Operating Temperature	0 to +35°C
Ingress Protection	IP20
Certification	CE

### ORDER CODES

High Light Output 8W Luminaire, IP20, Non-maintained LUMHI8/NM

High Light Output 8W Luminaire, IP20, Maintained LUMHI8/M

Pictogram, Arrow Down LUMHI8/PAD

Pictogram, Arrow Left LUMHI8/PAL

Pictogram, Arrow Right LUMHI8/PAR

## 10.2: LUMENEX EMERGENCY LIGHTING

## Rectangular 8W Exit Sign

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Rectangular Exit Sign

- Cost effective lighting solution for interior applications
- Suitable for mounting on emergency escape routes as defined by BS 5266
- Maintained/non-maintained versions
- Single-sided low profile unit with pictogram accessible from bottom entry
- Integral threshold down-lighter
- Robust construction for simple surface-mounted installation
- Range of self-adhesive pictogram options

TECHNICAL SPECIFICATION	
Emergency Duration	3 hours
Emergency Lamp O/P	105 lumens
Maintained Lamp O/P	185 lumens (LUMRECT/M)
Construction	Rectangular sheet steel housing, incorporating self-extinguishing opal exit screen and down-lighter. Colour: White
Dimensions	Length 425mm (pictogram 395mm) Height 190mm (pictogram 160mm) Depth 60mm
Weight	2.3kg (LUMRECT/NM) 2.4kg (LUMRECT/M)
Cable Entry	20mm knockouts in side, top and rear. Rear BESA box mounting provision
Supply Voltage	230Vac +/- 10% 50Hz
Power Consumption	8VA (LUMRECT/NM) 15VA (LUMRECT/M)
Recharge Period	24 hours for full 3 hour duration
Battery	NiCad 2.4V 4Ah
Light Source	300mm 8 Watt T5 fluorescent
Monitor	High intensity red LED monitoring charger output and battery connection
Operating Temperature	0 to +25°C
Ingress Protection	IP20
Warranty	1 year
Certification	CE - Ref. BS 4533 / EN 60598-2-22

## ORDER CODES

Rectangular 8W Exit Sign, LUMRECT/NM  
IP20, Non-maintained

Rectangular 8W Exit Sign, LUMRECT/M  
IP20, Maintained

Pictogram for Rectangular Exit Sign, Arrow Down LUMRECT/PAD

Pictogram for Rectangular Exit Sign, Arrow Left LUMRECT/PAL

Pictogram for Rectangular Exit Sign, Arrow Right LUMRECT/PAR

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## 10.2: LUMENEX EMERGENCY LIGHTING

### 2 x 18W Twinlight

- Suitable for interior applications
- Cost-effective solution for large open areas with undefined escape routes
- Non-maintained
- Ideal for illuminating areas which could become dangerous if mains power fails
- Stylish design features adjustable lamps with polycarbonate lenses
- Snap-fit construction
- Simple to install
- Maintenance-free batteries
- A high intensity LED on the unit front indicates healthy supply
- Independent lamp tests give indications of both left and right lamp integrity



TECHNICAL SPECIFICATION	
Emergency Duration	3 hours
Emergency Lamp O/P	2 x 264 lumens
Maintained Lamp O/P	N/A
Construction	3 part assembly comprising an ABS housing, steel geartray and two polycarbonate fronted projectors. Colour: Buff
Dimensions	Length 368mm (base housing 325mm) Height 283mm (base housing 155mm) Depth 115mm
Weight	6.5kg including battery
Cable Entry	20mm knockouts in one end and rear of fitting
Supply Voltage	230Vac +/- 10% 50Hz
Power Consumption	30VA
Recharge Period	24 hours for full 3 hour duration
Battery	2 x sealed Lead Acid 6V 1.2Ah
Light Source	2 x 18 Watt Tungsten
Monitor	High intensity red LED monitoring charger output and battery connection. Amber LEDs monitoring left and right lamp integrity
Operating Temperature	0 to +30°C
IP Rating	IP20
Warranty	1 year
Certification	CE - Ref. BS 4533 / EN 60598-2-22

#### ORDER CODES

Twinlight, 2 x 18W, 3-hour, IP20,LUMTWIN  
Non-maintained

## 10.2: LUMENEX EMERGENCY LIGHTING

## Photometric Data

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	HEIGHT (M)	Maximum permitted spacing (in metres) to achieve 0.2 lux				Maximum permitted spacing (in metres) to achieve 0.5 lux				Maximum permitted spacing (in metres) to achieve 1 lux			
		TR-TR	AX-AX	TR-WALL	AX-WALL	TR-TR	AX-AX	TR-WALL	AX-WALL	TR-TR	AX-AX	TR-WALL	AX-WALL
LUM8/NM	2.5	11.8	6.9	4.5	2.7	8.0	4.8	2.8	1.7	5.5	3.2	1.1	0.7
	3	12.3	7.3	4.5	2.8	8.0	4.8	2.5	1.5	4.8	2.8		
	4	12.6	7.6	4.4	2.6	7.3	4.3						
	6	11.9	7.0	1.1	0.8								
	8	5.2	3.2										
LUM8/M	2.5	10.7	6.4	4.0	2.5	7.1	4.3	2.3	1.4	4.5	2.6		
	3	11.0	6.6	4.0	2.4	6.9	4.1	1.7	1.1	2.8	1.7		
	4	11.2	6.8	3.6	2.2	4.8	2.9						
	6	9.3	5.6										
LUMH8/NM	2.5									12	6	5	2.5
	3									12.5	6	4.8	2.5
	4									12.4	6	3.6	2
LUMH8/M	2.5									12	6	5	2.5
	3									12.5	6	4.8	2.5
	4									12.4	6	3.6	2

Note: All photometric data has been compiled in accordance with BS 5225: Part 3 (Method of Photometric measurement of battery-operated emergency luminaires).

## Key

Tr-Tr Spacing transverse to transverse

Tr-Wall Transverse distance to wall

Ax-Ax Spacing axial to axial

Ax-Wall Axial distance to wall

Information currently not available – contact Gent

Not applicable

		ILLUMINANCE PERPENDICULAR TO BEAM (LUX)			
		10M		20M	
		0 DEGREES	90 DEGREES	0 DEGREES	90 DEGREES
LUMTWIN					
(data for single lamp) 12V 18W filament lamp Lamp Output (1m):264	0 degrees	2.89	2.89	0.72	0.72
	10 degrees	6.31	1.87	1.58	0.47
	20 degrees	1.25	0.35	0.31	0.09
	30 degrees	0.24	0.25	0.06	0.06
	40 degrees	0.18	0.23	0.05	0.06
	50 degrees	0.16	0.23	0.04	0.06
	60 degrees	0.11	0.12	0.03	0.03

		LUMINAIRE UTILISATION FACTOR DATA (SELF-CONTAINED LUMINAIRES AT ZERO REFLECTANCE)							
		ROOM INDEX (RI)							
		0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00
LUM8	-	0.25	0.28	0.31	0.37	0.40	0.43	0.47	0.50
LUMHIGH	-	0.29	0.33	0.37	0.44	0.48	0.52	0.56	0.59

Note: All photometric data has been compiled in accordance with BS 5225: Part 3 (Method of Photometric measurement of battery-operated emergency lighting luminaires).

ESCAPE ROUTE SPACING USING SELF CONTAINED LUMINAIRES											
All figures are verified by the British Standards Institute and registered by ICEL.		MIN. - 1.0 LUX SPECIFIED POINTS OF EMPHASIS & NORMAL RISKS					MIN. - 0.2 LUX PERMANENTLY UNOBSTRUCTED ROUTES ONLY				
		Ceiling Mounting Height (m)	Transverse to Wall (m)	Transverse to Transverse (m)	Transverse to Axial (m)	Axial to Axial (m)	Axial to Wall (m)	Transverse to Wall (m)	Transverse to Transverse (m)	Transverse to Axial (m)	Axial to Axial (m)
Optilite / Stormlite Non-Maintained	2.5	1.3	4.7	4.4	4.0	1.2	4.5	12.4	10.0	7.6	3.0
	4	-	2.8	2.6	2.3	-	3.7	12.7	10.8	8.8	3.2
	6	-	-	-	-	-	2.5	10.0	9.4	8.9	2.2
Optilite / Stormlite Maintained	2.5	1.1	4.0	3.9	3.7	0.9	4.1	11.6	9.4	7.2	2.9
	4	-	1.5	1.1	0.8	-	3.2	11.6	10.0	8.3	2.9
	6	-	-	-	-	-	1.8	8.7	8.4	8.0	1.4

Note: Spacing data includes a maintenance factor of 0.8 and a maintained lamp derating factor of 0.85 as defined by BSI and ICEL.