








Consulting Engineers






Western Vale Primaries






Luminaire Schedule


Schedule of Amendments

Date	Revision	Page No.	Detail of Revision

Luminaire Ref	Description	Image
A1	<p>A shallow edge lit LED panel for lay-in grid, with hexagonal optic diffuser. Complete with 4000K colour temperature, as Thorn Omega Pro 2</p> <p>Dimensions: 597 x 597 x 55 mm Luminaire input power: 23 W Luminaire luminous flux: 3000 lm Luminaire efficacy: 130 lm/W</p>	
A2	<p>A shallow edge lit LED panel for lay-in grid, with hexagonal optic diffuser. Complete with 4000K colour temperature, as Thorn Omega Pro 2</p> <p>Dimensions: 597 x 597 x 57 mm Luminaire input power: 29.1 W Luminaire luminous flux: 3800 lm Luminaire efficacy: 131 lm/W</p>	
A3	<p>A shallow edge lit LED panel for lay-in grid, with hexagonal optic diffuser. Complete with 4000K colour temperature, as Thorn Omega Pro 2</p> <p>Dimensions: 1197 x 297 x 59 mm Luminaire input power: 35 W Luminaire luminous flux: 4450 lm Luminaire efficacy: 127 lm/W</p>	
B1	<p>A recessed LED downlight. Remote fixed output control gear. Body: aluminium, painted white (RAL 9016). Reflector: satinbrite. Suitable for mounting in ceiling thicknesses of Complete with 3000K LED, As Thorn Chalice LED</p> <p>Dimensions: Ø220 x 94 mm Luminaire input power: 17.6 W Luminaire luminous flux: 1990 lm Luminaire efficacy: 113 lm/W</p>	
B2	<p>A recessed LED downlight. Remote fixed output control gear. Body: aluminium, painted white (RAL 9016). Reflector: satinbrite. Suitable for mounting in ceiling thicknesses of Complete with 3000K LED, As Thorn Chalice LED</p> <p>Dimensions: Ø220 x 94 mm Luminaire input power: 13.2 W Luminaire luminous flux: 1370 lm Luminaire efficacy: 104 lm/W</p>	

Luminaire Ref	Description	Image
B3	<p>A recessed LED downlight. Remote fixed output control gear. Body: aluminium, painted white (RAL 9016). Reflector: satinbrite. Suitable for mounting in ceiling thicknesses of Complete with 3000K LED, As Thorn Chalice LED</p> <p>Dimensions: Ø220 x 94 mm Luminaire input power: 27.5 W Luminaire luminous flux: 2970 lm Luminaire efficacy: 108 lm/W</p>	
C1	<p>An IP66, dust and moisture resistant LED luminaire. Electronic, fixed output control gear, with 3 hour emergency self-test (where indicated on drawings). With medium beam distribution. Class I electrical. Canopy: light grey polycarbonate. Diffuser: high transmission opal polycarbonate with refraction prisms. Complete with 4000K LED, As Thorn Aquaforce</p> <p>Dimensions: 1100 x 92 x 90 mm Luminaire input power: 22 W Luminaire luminous flux: 2900 lm Luminaire efficacy: 132 lm/W</p>	
C2	<p>An IP66, dust and moisture resistant LED luminaire. Electronic, fixed output control gear, with 3 hour emergency self-test (where indicated on drawings). With medium beam distribution. Class I electrical. Canopy: light grey polycarbonate. Diffuser: high transmission opal polycarbonate with refraction prisms. Complete with 4000K LED, As Thorn Aquaforce</p> <p>Dimensions: 1100 x 92 x 90 mm Luminaire input power: 34.3 W Luminaire luminous flux: 4300 lm Luminaire efficacy: 125 lm/W</p>	
D	<p>A round bulkhead LED luminaire. Electronic, fixed output control gear with 3 hour, Self test, emergency lighting circuit. Body and bezel: white finish, spun aluminium. Diffuser: opal polycarbonate. Class I electrical, IP40. Complete with 4000K LED, As Thorn Novaline</p> <p>Dimensions: Ø455 x 105 mm Luminaire input power: 32.5 W Luminaire luminous flux: 3500 lm Luminaire efficacy: 108 lm/W</p>	
E1	<p>High performance, surface mounted, 3 hour SelfTest, emergency lighting luminaire for 1 x 3W LED with open area optic. Housing manufactured from die-cast aluminium, powder coated white. Ingress protection rated IP40. As Thorn Voyager LED Series</p> <p>Total power 5.4 W Dimensions 146 x 146 x 37 mm</p>	

Luminaire Ref	Description	Image
E2	<p>High performance, surface mounted, 3 hour SelfTest, emergency lighting luminaire for 1 x 3W LED with route optic. Housing manufactured from die-cast aluminium, powder coated white. Ingress protection rated IP40. As Thorn Voyager LED Series</p> <p>Total power 5.4 W Dimensions 146 x 146 x 37 mm</p>	
E3	<p>Emergency exit sign, surface mounted or suspended, with 3 hour, SelfTest, emergency lighting circuit. Housing: white polycarbonate. As Thorn Voyager style</p>	
E4	<p>Surface mounted LED emergency lighting luminaire. Electronic, fixed output control gear with 3 hour, SelfTest, emergency lighting circuit. White polycarbonate. Cover: transparent polycarbonate. IP65 rated, As Thorn Voyager Solid</p> <p>Dimensions: 360 x 150 x 71 mm Total power: 2.3 W</p>	
F	<p>Ceiling recessed sealed LED luminaire. Electronic, fixed output control gear with 3 hour, manual test, emergency lighting circuit. Body: Fabricated from steel with white powder coated finish. Frame: steel with welded corners and finished in white powder coated. Gasket: silicone. Diffuser panel opal PMMA. Class I electrical, IP65, IK07. Impact resistant and flame retardant (UK Building Regulations Part B2 classification TP[b]). Complete with 4000K LED, As Thorn Duoproof LED</p> <p>Dimensions: 592 x 590 x 90 mm Luminaire input power: 34.2 W Luminaire luminous flux: 3800 lm Luminaire efficacy: 111 lm/W Weight: 9 kg</p>	
G	<p>LED suspended pendant luminaire with 3 hour, manual test, emergency lighting circuit. Housing: die-cast aluminium with satin grey finish. Reflector: prismatic polycarbonate with easy bayonet mount connection to housing. Class I electrical, IP20. Complete with 3000K LED</p> <p>Dimensions: Ø340/140 x 485 mm Luminaire input power: 45 W Weight: 5.3 kg</p>	

Luminaire Ref	Description	Image
H	<p>A ceiling recessed, fire-rated, LED downlight. Integral LED driver, suitable for use with leading edge dimmer switches. IP65, IK04. Supplied with wide flood (48°) PMMA lens and matt white die-cast aluminium bezel. Body: steel with aluminium heatsink. Complete with 3000K LED. Fully fire rated for 30, 60 and 90 minute ceilings, As Thorn Chalice 74</p> <p>Dimensions: Ø87 x 77 mm Luminaire input power: 9.4 W Luminaire luminous flux: 900 lm Luminaire efficacy: 96 lm/W</p>	

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