

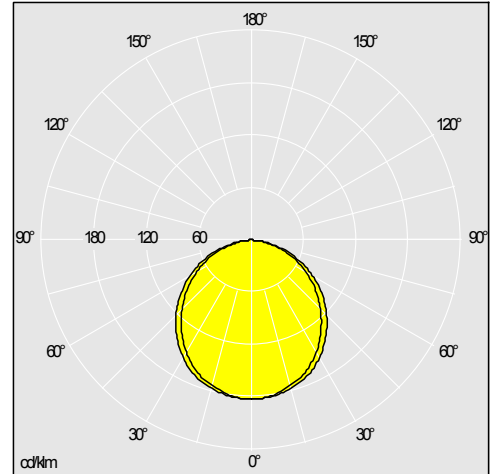
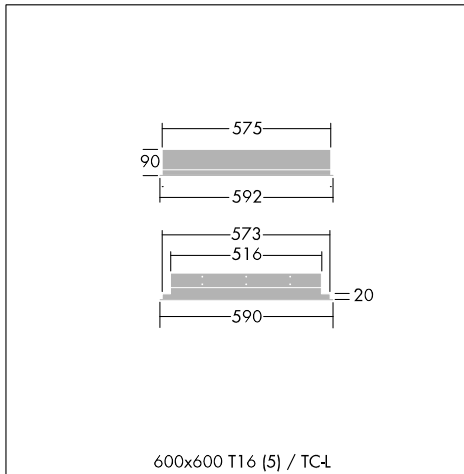
## Duoproof

### A range of sealed, IP65 rated, recessed fluorescent luminaires

- Welded frame corners provide a smooth and easy to clean surface
- Diffuser frame secured by 1/4 turn fasteners for quick installation
- Retention cords hold diffuser for easy maintenance
- Suitable for use in cleanroom classifications to EN ISO 14644-1 (Classes 5 to 9)



Photographs, line drawings and photometric data are representative only. For specific product detail please select an individual product.



### Material/Finish

Body: mild steel, white powder coated finish

Frame: mild steel with welded corners, EPDM gasket, with white powder coated finish (RAL 9016)

Diffuser: clear, prism, TP(a)

### Installation/Mounting

Designed for installation into various ceiling types. Suitable for exposed tee ceiling grids using 15mm or 24mm tee widths and a maximum tee height of up to 50mm. In solid/plaster board ceilings suitable apertures are recommended to support the weight of the luminaire. Luminaires are not suitable for use in concealed ceilings or certain spring tee ceiling grids such as SAS 120 / Armstrong Orcal 1800. When installed into an SAS 150 / Orcal 3000 spring tee ceiling grid the luminaire diffuser frame will not fit flush to the ceiling tile. Luminaire lamps must run parallel to the spring tees. Please consult the ceiling manufacturers technical specification for compatibility. Duoproof has 4x 8mm holes for suspension rods in the housing. Grommets supplied. 20mm cable entry holes are provided. Diffuser is held in by 1/4 turn fasteners and retention cord.

### Specification

To specify state:

Recessed IP65 sealed luminaire for fluorescent T26 (T8) 18/36/58W, 14/24/28/35/49/54W T16 (T5) and 36W TC-L compact fluorescent lamps. Frame design with welded corners, EN ISO 14644-1 Cleanliness Class 5-9, diffuser.

As Thorn Duoproof.

## Duoproof

**Ordering Guide** Lamps to be ordered separately/Supplied complete with lamps

Description	ILCOS Code	Socket	Wt (kg)	SAP Code
<b>Duoproof LED</b>				
DUOPRF LED3800-840 HF Q600	LED		7,5	96628424
DUOPRF LED3800-840 HF E3 Q600	LED		9	96628425
DUOPRF LED3800-840 HFI Q600	LED		7,5	96628426
DUOPRF LED3800-840 HFI E3 Q600	LED		9	96628427
DUOPRF LED3800-840 HF 1200X300	LED		7,15	96628428
DUOPRF LED3800-840 HF E3 1200X300	LED		7,667	96628429
DUOPRF LED3800-840 HFI 1200X300	LED		7,15	96628430
DUOPRF LED3800-840 HFI E3 1200X300	LED		7,667	96628431
<b>Duoproof T16</b>				
DUOPRF 4X14W T16 HF IP65	FDH	G5	8,7	96232429
DUOPRF 4X24W T16 HF IP65	FDH	G5	8,7	96232433
DUOPRF 2X28W T16 HF IP65	FDH	G5	8,5	96232437
DUOPRF 2X54W T16 HF IP65	FDH	G5	8,5	96232441
DUOPRF 2X35W T16 HF IP65	FDH	G5	10,4	96232445
DUOPRF 2X49W T16 HF IP65	FDH	G5	10,4	96232449
DUOPRF 4X28W T16 HF IP65	FDH	G5	10,5	96232457
DUOPRF 4X54W T16 HF IP65	FDH	G5	10,5	96232461
DUOPRF 2X28W T16 HF IP65 L840	FDH	G5	8,5	96535734
DUOPRF 2X35W T16 HF IP65 L840	FDH	G5	10,4	96535736
DUOPRF 2X49W T16 HF IP65 L840	FDH	G5	10,4	96535738
DUOPRF 2X54W T16 HF IP65 L840	FDH	G5	8,5	96535740
DUOPRF 4X14W T16 HF IP65 L840	FDH	G5	8,7	96535742
DUOPRF 4X24W T16 HF IP65 L840	FDH	G5	8,7	96535744
DUOPRF 4X28W T16 HF IP65 L840	FDH	G5	10,5	96535746
DUOPRF 4X54W T16 HF IP65 L840	FDH	G5	10,5	96535748
<b>Duoproof T16 dimmable</b>				
DUOPRF 4X14W T16 HFD IP65	FDH	G5	8,7	96232430
DUOPRF 2X49W T16 HFD IP65	FDH	G5	10,4	96232450
DUOPRF 2X49W T16 HFD IP65 L840	FDH	G5	10,4	96535739
DUOPRF 4X14W T16 HFD IP65 L840	FDH	G5	8,7	96535743
DUOPRF 2X28W T16 HFI IP65	FDH	G5	7,2	96549154
DUOPRF 2X28W T16 HFI IP65 L840	FDH	G5	6,13	96549155
DUOPRF 2X35W T16 HFI IP65	FDH	G5	9,8	96549158
DUOPRF 2X35W T16 HFI IP65 L840	FDH	G5	9,8	96549159
DUOPRF 2X54W T16 HFI IP65	FDH	G5	7,2	96549162
DUOPRF 2X54W T16 HFI IP65 L840	FDH	G5	7,2	96549163
DUOPRF 4X14W T16 HFIX IP65	FDH	G5	7,2	96549164
DUOPRF 4X14W T16 HFIX IP65 L840	FDH	G5	3,2	96549167
DUOPRF 4X24W T16 HFI IP65	FDH	G5	6	96549173
DUOPRF 4X24W T16 HFI IP65 L840	FDH	G5	5,9	96549174
DUOPRF 4X28W T16 HFI IP65	FDH	G5	1,1	96549177
DUOPRF 4X28W T16 HFI IP65 L840	FDH	G5	4	96549178
DUOPRF 4X54W T16 HFI IP65	FDH	G5	11,7	96549180
DUOPRF 4X54W T16 HFI IP65 L840	FDH	G5	11,7	96549181

## Duoproof

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<b>Duoproof T16 emergency</b>				
DUOPRF 4X14W T16 HF E3 IP65	FDH	G5	10,7	96232431
DUOPRF 4X14W T16 HF E3T IP65	FDH	G5	10,7	96232432
DUOPRF 4X24W T16 HF E3 IP65	FDH	G5	10,7	96232435
DUOPRF 4X24W T16 HF E3T IP65	FDH	G5	10,7	96232436
DUOPRF 2X28W T16 HF E3 IP65	FDH	G5	10,5	96232439
DUOPRF 2X28W T16 HF E3T IP65	FDH	G5	10,5	96232440
DUOPRF 2X54W T16 HF E3 IP65	FDH	G5	10,5	96232443
DUOPRF 2X54W T16 HF E3T IP65	FDH	G5	10,5	96232444
DUOPRF 2X35W T16 HF E3 IP65	FDH	G5	12,4	96232447
DUOPRF 2X35W T16 HF E3T IP65	FDH	G5	12,4	96232448
DUOPRF 2X49W T16 HF E3 IP65	FDH	G5	12,4	96232451
DUOPRF 2X49W T16 HF E3T IP65	FDH	G5	12,4	96232452
DUOPRF 4X28W T16 HF E3 IP65	FDH	G5	12,5	96232459
DUOPRF 4X28W T16 HF E3T IP65	FDH	G5	12,5	96232460
DUOPRF 4X54W T16 HF E3 IP65	FDH	G5	12,5	96232463
DUOPRF 4X54W T16 HF E3T IP65	FDH	G5	12,5	96232464
DUOPRF 4X24W T16 HF E3 IP65 L840	FDH	G5	10,7	96535760
DUOPRF 4X28W T16 HF E3 IP65 L840	FDH	G5	12,5	96535762
DUOPRF 4X54W T16 HF E3 IP65 L840	FDH	G5	12,5	96535764
DUOPRF 2X28W T16 HF E3 IP65 L840	FDH	G5	10,5	96535750
DUOPRF 2X35W T16 HF E3 IP65 L840	FDH	G5	12,4	96535752
DUOPRF 2X49W T16 HF E3 IP65 L840	FDH	G5	12,4	96535754
DUOPRF 2X54W T16 HF E3 IP65 L840	FDH	G5	10,5	96535756
DUOPRF 4X14W T16 HF E3 IP65 L840	FDH	G5	10,7	96535758
<b>Duoproof T16 dimmable, emergency</b>				
<DUOPRF 4X14W T16 HFD E3 IP65 L840	FDH	G5	10,7	96535770
DUOPRF 2X35W T16 HFI E3 IP65	FDH	G5	10	96549156
DUOPRF 2X35W T16 HFI E3 IP65 L840	FDH	G5	10	96549157
DUOPRF 2X54W T16 HFI E3 IP65	FDH	G5	8,9	96549160
DUOPRF 2X54W T16 HFI E3 IP65 L840	FDH	G5	8,9	96549161
DUOPRF 4X14W T16 HFIX E3 IP65	FDH	G5	7,9	96549166
DUOPRF 4X14W T16 HFIX E3 IP65 L840	FDH	G5	13,7	96549168
DUOPRF 4X24W T16 HFI E3 IP65	FDH	G5	5,2	96549171
DUOPRF 4X24W T16 HFI E3 IP65 L840	FDH	G5	5,1	96549172
DUOPRF 4X28W T16 HFI E3 IP65 L840	FDH	G5	13,5	96549176
DUOPRF 4X54W T16 HFI E3 IP65 L840	FDH	G5	11,7	96549179
<b>Duoproof T26 luminaires</b>				
DUOPRF 2X36W T26 HF IP65	FD	G13	8,5	96218789
DUOPRF 3X36W T26 HF IP65	FD	G13	10,3	96218791
DUOPRF 4X36W T26 HF IP65	FD	G13	10,5	96218793
DUOPRF 3X18W T26 HF IP65	FD	G13	8,6	96218795
DUOPRF 4X18W T26 HF IP65	FD	G13	8,7	96218797
DUOPRF 2X36W TC-L HF IP65	FSD	2G11	8,6	96218800
DUOPRF 2X58W T26 HF IP65	FD	G13	10,4	96218803
DUOPRF 2X36W T26 HF IP65 L840	FD	G13	8,5	96535720

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DUOPRF 2X58W T26 HF IP65 L840	FD	G13	10,4	96535721
DUOPRF 3X18W T26 HF IP65 L840	FD	G13	8,6	96535723
DUOPRF 3X36W T26 HF IP65 L840	FD	G13	10,3	96535724
DUOPRF 4X18W T26 HF IP65 L840	FD	G13	8,7	96535725
DUOPRF 4X36W T26 HF IP65 L840	FD	G13	10,5	96535726
DUOPRF 2X36W TC-L HF IP65 L840	FSD	2G11	8,6	96535727

<b>Duoproof T26 emergency luminaires</b>				
DUOPRF 2X36W T26 HF E3 IP65	FD	G13	10,5	96218790
DUOPRF 3X36W T26 HF E3 IP65	FD	G13	12,3	96218792
DUOPRF 4X36W T26 HF E3 IP65	FD	G13	12,5	96218794
DUOPRF 3X18W T26 HF E3 IP65	FD	G13	10,6	96218796
DUOPRF 4X18W T26 HF E3 IP65	FD	G13	10,7	96218798
DUOPRF 2X36W TC-L HF E3 IP65	FSD	2G11	10,6	96218801
DUOPRF 2X36W T26 HF E3 IP65 L840	FD	G13	10,5	96535728
DUOPRF 3X18W T26 HF E3 IP65 L840	FD	G13	10,6	96535729
DUOPRF 3X36W T26 HF E3 IP65 L840	FD	G13	12,3	96535730
DUOPRF 4X18W T26 HF E3 IP65 L840	FD	G13	10,7	96535731
DUOPRF 4X36W T26 HF E3 IP65 L840	FD	G13	12,5	96535732
DUOPRF 2X36W TC-L HF E3 IP65 L840	FSD	2G11	10,6	96535733