

FEATURES & SPECIFICATIONS

INTENDED USE

Low profile dedicated to T5 or T8 lamping is ideal for shallow plenum spaces. Specification grade, direct / indirect center diffuser luminaire provides smooth and uniform ambient lighting for all commercial and industrial buildings with recessed configurations. Reflected light from matte surfaces provide a softened “sky light” appearance to the modern office environment. Choice of perforated basket or linear ribbed lens.

SIZE W x L x H in inches

23.68”W x 23.68”L x 3.25”D

LAMP

2 or 4 lamp positions

MATERIALS & FEATURES

Housing is die-formed and embossed code 22 gage steel. Luminaire body finish is high reflectance baked white enamel, with matte white re-reflectors. Wiring knockouts are provided on the back of housing. Dual diffuser snaps into place; no tools are required for removal. Diffuser is perforated to maintain even brightness, and provided with an internal, acrylic overlay to obscure lamps. Ribbed acrylic lens provides increased light output.

- Direct / indirect mimics “sky light” appearance
- Matte white reflective surfaces for soft, uniform light distribution
- Recessed perforated dual diffuser with acrylic overlay.



MOUNTING

Surface mount

LISTING

Fixture and Ballast: UL Listed.

Ballast: Thermally protected, class P, HPF, Non PCB.

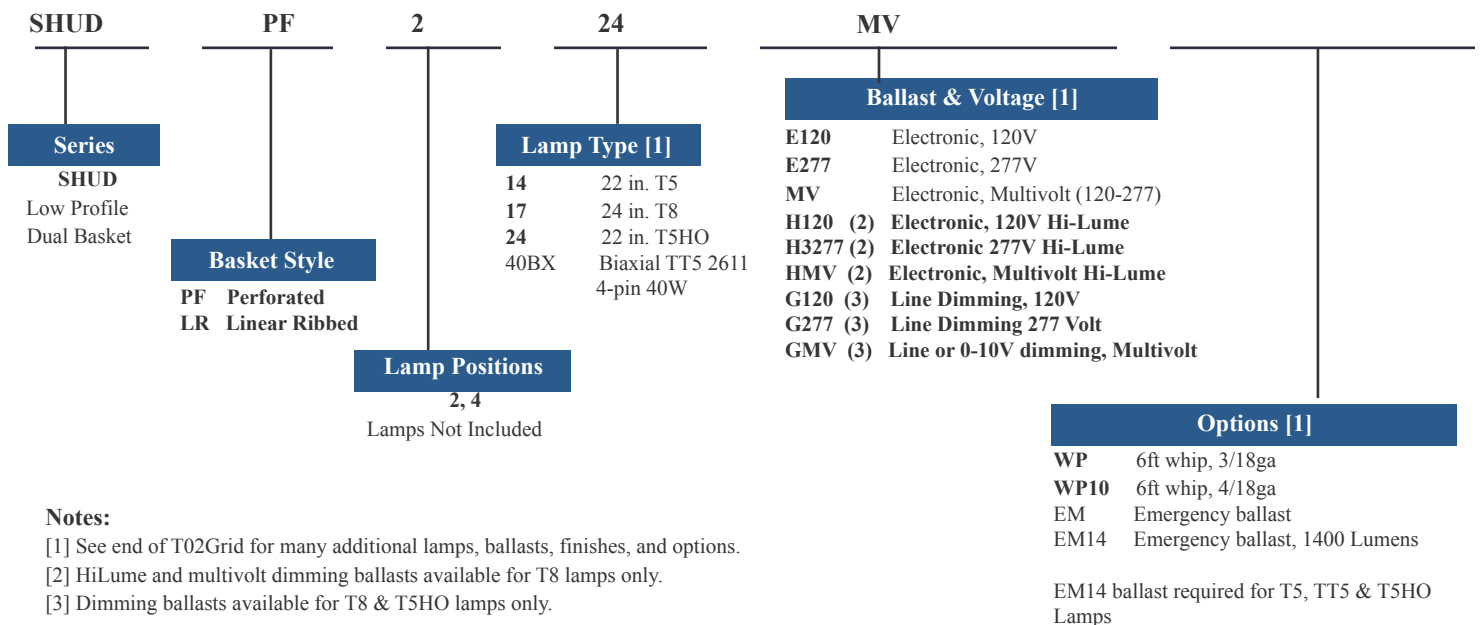
TYPICAL OPTIONS AND ACCESSORIES

Emergency ballasts, whips, and lenses. See options page at the end of the T02Grid section, or contact factory for more details.

POST PAINTED

ORDERING INFORMATION

Example: SHUDPF224MV



Notes:

- [1] See end of T02Grid for many additional lamps, ballasts, finishes, and options.
- [2] HiLume and multivolt dimming ballasts available for T8 lamps only.
- [3] Dimming ballasts available for T8 & T5HO lamps only.

| |
|-----------------|
| Catalog Number: |
| Notes: |



Texas Fluorescents
Reinvented

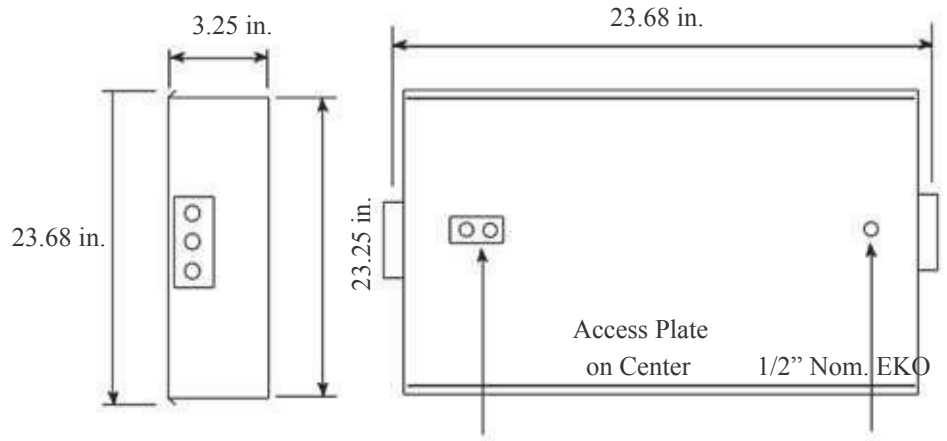
SHUD 2x2 ft.

Low Profile Dual Basket T5/T8



DIMENSIONS

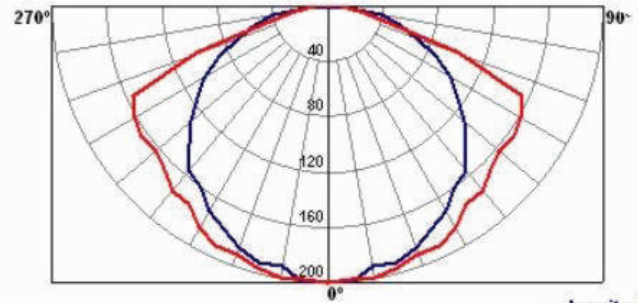
All dimensions are inches. Specifications subject to change without notice.



| Glare Evaluation According to UGR | | | | | | | | | | |
|-----------------------------------|----|----|----|----|----|----|----|----|----|----|
| pCeiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| pWalls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| pFloor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

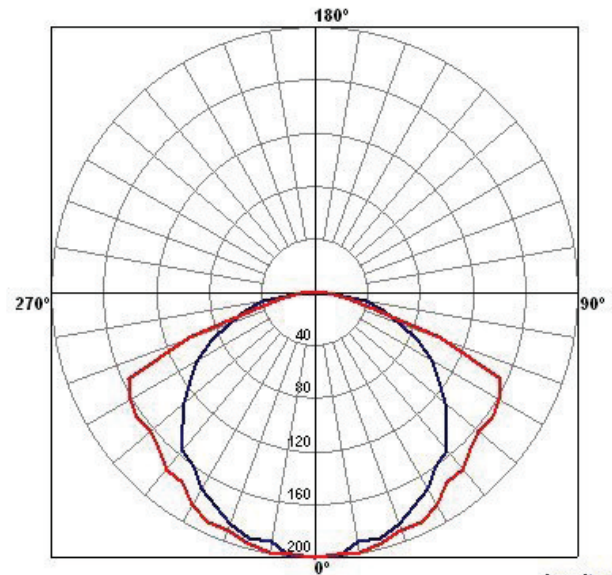
Photometrics Fixture Efficiency UCPF Series 60.4%
UCLR Series 88.2%

| Room Size | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
|-----------|-----|--|------|------|------|------|---|------|------|------|------|
| x | y | | | | | | | | | | |
| 2H | 2H | 16.4 | 17.8 | 16.7 | 18.0 | 18.3 | 18.0 | 19.4 | 18.3 | 19.7 | 19.9 |
| | 3H | 18.5 | 19.8 | 18.8 | 20.0 | 20.3 | 20.4 | 21.7 | 20.8 | 22.0 | 22.3 |
| | 4H | 19.3 | 20.5 | 19.6 | 20.8 | 21.1 | 20.8 | 22.0 | 21.1 | 22.3 | 22.6 |
| | 6H | 19.9 | 21.1 | 20.3 | 21.4 | 21.7 | 21.0 | 22.1 | 21.3 | 22.4 | 22.7 |
| | 8H | 20.2 | 21.3 | 20.5 | 21.6 | 21.9 | 21.0 | 22.1 | 21.4 | 22.4 | 22.7 |
| | 12H | 20.3 | 21.3 | 20.7 | 21.7 | 22.0 | 21.0 | 22.1 | 21.4 | 22.4 | 22.7 |
| 4H | 2H | 17.5 | 18.7 | 17.8 | 19.0 | 19.3 | 16.5 | 17.7 | 16.9 | 18.1 | 18.4 |
| | 3H | 19.8 | 20.9 | 20.2 | 21.2 | 21.5 | 19.6 | 20.7 | 20.0 | 21.1 | 21.4 |
| | 4H | 20.7 | 21.6 | 21.1 | 22.0 | 22.4 | 21.2 | 22.1 | 23.6 | 22.8 | 22.9 |
| | 6H | 21.4 | 22.2 | 21.8 | 22.6 | 23.0 | 22.7 | 23.5 | 23.1 | 23.9 | 24.4 |
| | 8H | 21.7 | 22.4 | 22.1 | 22.8 | 23.2 | 23.2 | 23.9 | 23.6 | 24.6 | 24.8 |
| | 12H | 21.8 | 22.5 | 22.3 | 22.9 | 23.4 | 22.1 | 22.8 | 22.6 | 23.2 | 23.6 |
| 8H | 4H | 21.1 | 21.9 | 21.5 | 22.3 | 22.7 | 22.0 | 22.8 | 22.4 | 23.2 | 23.6 |
| | 6H | 21.9 | 22.5 | 22.4 | 23.0 | 23.4 | 23.3 | 23.0 | 22.8 | 23.4 | 23.8 |
| | 8H | 22.3 | 22.8 | 22.7 | 23.2 | 23.7 | 22.5 | 23.0 | 23.0 | 23.5 | 23.9 |
| | 12H | 22.5 | 22.9 | 23.0 | 23.4 | 23.9 | 22.6 | 23.0 | 23.1 | 23.5 | 24.0 |
| 12H | 4H | 21.1 | 21.8 | 21.6 | 22.2 | 22.6 | 22.0 | 22.7 | 22.5 | 23.1 | 23.5 |
| | 6H | 22.0 | 22.5 | 22.4 | 22.9 | 23.4 | 22.4 | 22.9 | 22.9 | 23.4 | 23.9 |
| | 8H | 22.3 | 22.8 | 22.8 | 23.2 | 23.7 | 22.5 | 23.0 | 23.0 | 23.5 | 24.0 |



Máx: 200 cd/Klm

--- longitudinal
--- transversal



Máx: 200 cd/Klm

--- longitudinal
--- transversal

Variation of the observer position for the luminaire distances S

| | | | | |
|--------|-------|------|-------|------|
| S=1.0H | +0.1/ | -0.1 | +0.1/ | -0.1 |
| S=1.5H | +0.2/ | -0.3 | +0.2/ | -0.2 |
| S=2.0H | +0.3/ | -0.6 | +0.6/ | -0.5 |

Standard table BK07 BK05

Correction -4.0 -4.1

Summand

Corrected Glare Indices referring to 1.00.00m Total Luminous Flux

| Certificate of Utilization | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| pfc=0.20 | | | | | | | | | | | | | | | | | | | | | |
| pcc | .8 | | | | .7 | | | | .5 | | | | .3 | | | | .1 | | | | 0 |
| pw | .7 | .5 | .3 | .1 | .7 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | 0 |
| 0 | 83 | 83 | 83 | 83 | 81 | 81 | 81 | 81 | 78 | 78 | 78 | 74 | 74 | 74 | 71 | 71 | 71 | 71 | 71 | 70 | |
| 1 | 75 | 72 | 69 | 66 | 74 | 70 | 67 | 65 | 67 | 65 | 63 | 64 | 62 | 61 | 62 | 60 | 59 | 57 | 57 | 57 | |
| 2 | 68 | 62 | 56 | 52 | 66 | 60 | 56 | 51 | 58 | 54 | 50 | 55 | 52 | 49 | 53 | 50 | 48 | 46 | 46 | 46 | |
| 3 | 61 | 53 | 47 | 42 | 60 | 52 | 46 | 42 | 50 | 45 | 41 | 48 | 44 | 40 | 46 | 43 | 40 | 38 | 38 | 38 | |
| 4 | 56 | 47 | 40 | 35 | 54 | 46 | 40 | 35 | 44 | 38 | 34 | 42 | 38 | 34 | 41 | 37 | 33 | 32 | 32 | 32 | |
| 5 | 51 | 41 | 35 | 30 | 49 | 40 | 34 | 29 | 39 | 33 | 29 | 37 | 33 | 29 | 36 | 32 | 28 | 27 | 27 | 27 | |
| 6 | 47 | 37 | 30 | 25 | 45 | 36 | 30 | 25 | 35 | 29 | 25 | 34 | 29 | 25 | 32 | 28 | 25 | 23 | 23 | 23 | |
| 7 | 43 | 33 | 27 | 22 | 42 | 33 | 26 | 22 | 31 | 26 | 22 | 30 | 25 | 22 | 29 | 25 | 21 | 20 | 20 | 20 | |
| 8 | 37 | 27 | 21 | 17 | 36 | 27 | 21 | 17 | 26 | 21 | 17 | 25 | 21 | 17 | 25 | 20 | 17 | 16 | 16 | 16 | |
| 9 | 35 | 25 | 19 | 16 | 34 | 25 | 19 | 16 | 24 | 19 | 15 | 23 | 19 | 15 | 23 | 19 | 15 | 15 | 15 | 15 | |

| Glare Evaluation According to UGR | | | | | | | | | | |
|-----------------------------------|----|----|----|----|----|----|----|----|----|----|
| pCeiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| pWalls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| pFloor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Variation of the observer position for the luminaire distances S

S=1.0H +0.1/-0.1 +0.1/-0.1

S=1.5H +0.2/-0.3 +0.2/-0.2

S=2.0H +0.3/-0.6 +0.6/-0.5

Standard table BK07 BK05

Correction -4.0 -4.1

Summand

Corrected Glare Indices referring to 1.00.00m Total Luminous Flux

| Room Size | | Viewing direction at right angles to lamp axis | | | | | | Viewing direction parallel to lamp axis | | | | | |
|-----------|-----|--|------|------|------|------|------|---|------|------|------|--|--|
| x | y | | | | | | | | | | | | |
| 2H | 2H | 16.4 | 17.8 | 16.7 | 18.0 | 18.3 | 18.0 | 19.4 | 18.3 | 19.7 | 19.9 | | |
| | 3H | 18.5 | 19.8 | 18.8 | 20.0 | 20.3 | 20.4 | 21.7 | 20.8 | 22.0 | 22.3 | | |
| | 4H | 19.3 | 20.5 | 19.6 | 20.8 | 21.1 | 20.8 | 22.0 | 21.1 | 22.3 | 22.6 | | |
| | 6H | 19.9 | 21.1 | 20.3 | 21.4 | 21.7 | 21.0 | 22.1 | 21.3 | 22.4 | 22.7 | | |
| 4H | 8H | 20.2 | 21.3 | 20.5 | 21.6 | 21.9 | 21.0 | 22.1 | 21.4 | 22.4 | 22.7 | | |
| | 12H | 20.3 | 21.3 | 20.7 | 21.7 | 22.0 | 21.0 | 22.1 | 21.4 | 22.4 | 22.7 | | |
| | 2H | 17.5 | 18.7 | 17.8 | 19.0 | 19.3 | 18.7 | 19.9 | 19.0 | 20.2 | 20.5 | | |
| | 3H | 19.8 | 20.9 | 20.2 | 21.2 | 21.5 | 21.3 | 22.3 | 21.6 | 22.6 | 23.0 | | |
| 8H | 4H | 20.7 | 21.6 | 21.1 | 22.0 | 22.4 | 21.7 | 22.7 | 22.1 | 23.0 | 23.4 | | |
| | 6H | 21.4 | 22.2 | 21.8 | 22.6 | 23.0 | 22.0 | 22.8 | 22.4 | 23.2 | 23.6 | | |
| | 8H | 21.7 | 22.4 | 22.1 | 22.8 | 23.2 | 22.1 | 22.8 | 22.5 | 23.2 | 23.6 | | |
| | 12H | 21.8 | 22.5 | 22.3 | 22.9 | 23.4 | 22.1 | 22.8 | 22.6 | 23.2 | 23.6 | | |
| 12H | 4H | 21.1 | 21.9 | 21.5 | 22.3 | 22.7 | 22.0 | 22.8 | 22.4 | 23.2 | 23.6 | | |
| | 6H | 21.9 | 22.8 | 22.4 | 23.0 | 23.4 | 22.3 | 23.0 | 22.8 | 23.4 | 23.8 | | |
| | 8H | 22.3 | 22.8 | 22.7 | 23.2 | 23.7 | 22.5 | 23.0 | 23.0 | 23.5 | 23.9 | | |
| | 12H | 22.5 | 22.9 | 23.0 | 23.4 | 23.9 | 22.6 | 23.0 | 23.1 | 23.5 | 24.0 | | |
| 12H | 4H | 21.1 | 21.8 | 21.6 | 22.2 | 22.6 | 22.0 | 22.7 | 22.5 | 23.1 | 23.5 | | |
| | 6H | 22.0 | 22.5 | 22.4 | 22.9 | 23.4 | 22.4 | 22.9 | 22.9 | 23.4 | 23.9 | | |
| | 8H | 22.3 | 22.8 | 22.8 | 23.2 | 23.7 | 22.5 | 23.0 | 23.0 | 23.5 | 24.0 | | |

| Certificate of Utilization | | | | | | | | | | | | | | | | | | |
|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| pfc=0.20 | | | | | | | | | | | | | | | | | | |
| pcc | .8 | | | | .7 | | | | .5 | | | .3 | | | .1 | | | 0 |
| pw R C R | .7 | .5 | .3 | .1 | .7 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | 0 |
| 0 | 83 | 83 | 83 | 83 | 81 | 81 | 81 | 81 | 78 | 78 | 78 | 74 | 74 | 74 | 71 | 71 | 71 | 70 |
| 1 | 75 | 72 | 69 | 66 | 74 | 70 | 67 | 65 | 67 | 65 | 63 | 64 | 62 | 61 | 62 | 60 | 59 | 57 |
| 2 | 68 | 62 | 56 | 52 | 66 | 60 | 56 | 51 | 58 | 54 | 50 | 55 | 52 | 49 | 53 | 50 | 48 | 46 |
| 3 | 61 | 53 | 47 | 42 | 60 | 52 | 46 | 42 | 50 | 45 | 41 | 48 | 44 | 40 | 46 | 43 | 40 | 38 |
| 4 | 56 | 47 | 40 | 35 | 54 | 46 | 40 | 35 | 44 | 38 | 34 | 42 | 35 | 34 | 41 | 37 | 33 | 32 |
| 5 | 51 | 41 | 35 | 30 | 49 | 40 | 34 | 29 | 39 | 33 | 29 | 37 | 33 | 29 | 36 | 32 | 28 | 27 |
| 6 | 47 | 37 | 30 | 25 | 45 | 36 | 30 | 25 | 35 | 29 | 25 | 34 | 29 | 25 | 32 | 28 | 25 | 23 |
| 7 | 43 | 33 | 27 | 22 | 42 | 33 | 26 | 22 | 31 | 26 | 22 | 30 | 25 | 22 | 29 | 25 | 21 | 20 |
| 8 | 40 | 30 | 24 | 19 | 39 | 30 | 24 | 19 | 29 | 23 | 19 | 28 | 23 | 19 | 27 | 22 | 19 | 18 |
| 9 | 37 | 27 | 21 | 17 | 36 | 27 | 21 | 17 | 26 | 21 | 17 | 25 | 21 | 17 | 25 | 20 | 17 | 16 |
| 10 | 35 | 25 | 19 | 16 | 34 | 25 | 19 | 16 | 24 | 19 | 15 | 23 | 19 | 15 | 23 | 18 | 15 | 14 |

FEATURES & SPECIFICATIONS

INTENDED USE

Low profile dedicated to T5 or T8 lamping is ideal for shallow plenum spaces. Specification grade, direct / indirect dual diffuser luminaire provides smooth and uniform ambient lighting for all commercial and industrial buildings with recessed configurations. Reflected light from matte surfaces provide a softened “sky light” appearance to the modern office environment. Choice of perforated basket or linear ribbed lens.

SIZE W x L x H in inches

23.68”W x 47.7”L x 3.25”D

LAMP

2 or 4 lamp positions

MATERIALS & FEATURES

Housing is die-formed and embossed code 22 gauge steel. Luminaire body finish is high reflectance baked white enamel, with matte white re-reflectors. Wiring knockouts are provided on the back of housing. Dual diffuser snaps into place; no tools are required for removal. Diffuser is perforated to maintain even brightness, and provided with an internal, acrylic overlay to obscure lamps. Ribbed acrylic lens provides increased light output.

- Direct / indirect mimics “sky light” appearance
- Matte white reflective surfaces for soft, uniform light distribution
- Recessed perforated center diffuser with acrylic overlay.



MOUNTING

Surface mount

LISTING

Fixture and Ballast: UL Listed.

Ballast: Thermally protected, class P, HPF, Non PCB.

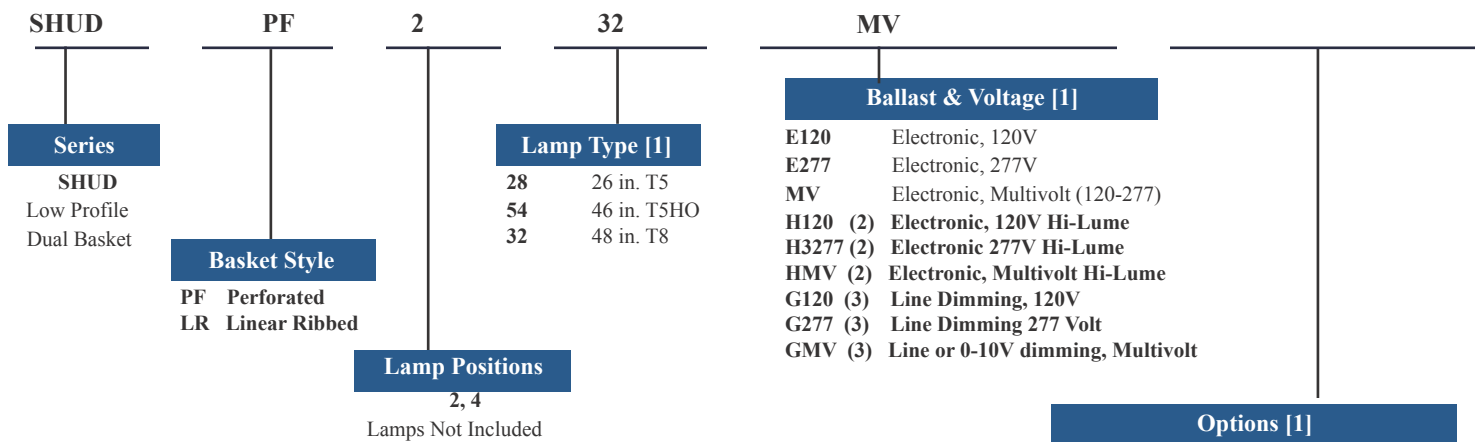
TYPICAL OPTIONS AND ACCESSORIES

Emergency ballasts, whips, and lenses. See options page at the end of the T02Grid section, or contact factory for more details.

POST PAINTED

ORDERING INFORMATION

Example: SHUDPF232MV



Notes:

- [1] See end of T02Grid for many additional lamps, ballasts, finishes, and options.
- [2] HiLume and multivolt dimming ballasts available for T8 lamps only.
- [3] Dimming ballasts available for T8 & T5HO lamps only.

| |
|-----------------|
| Catalog Number: |
| Notes: |



Texas Fluorescents
Reinvented

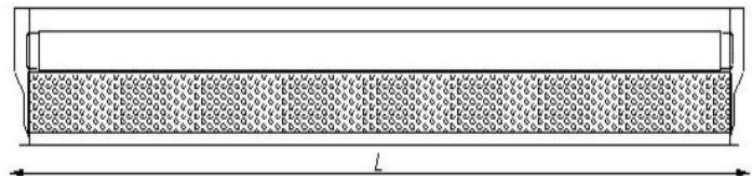
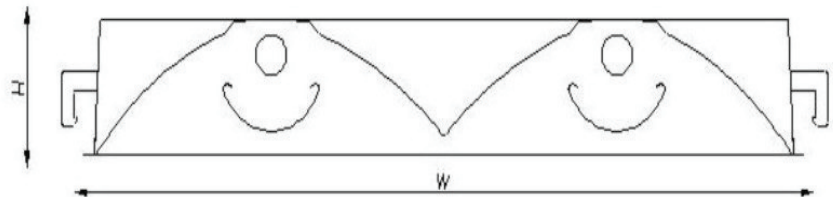
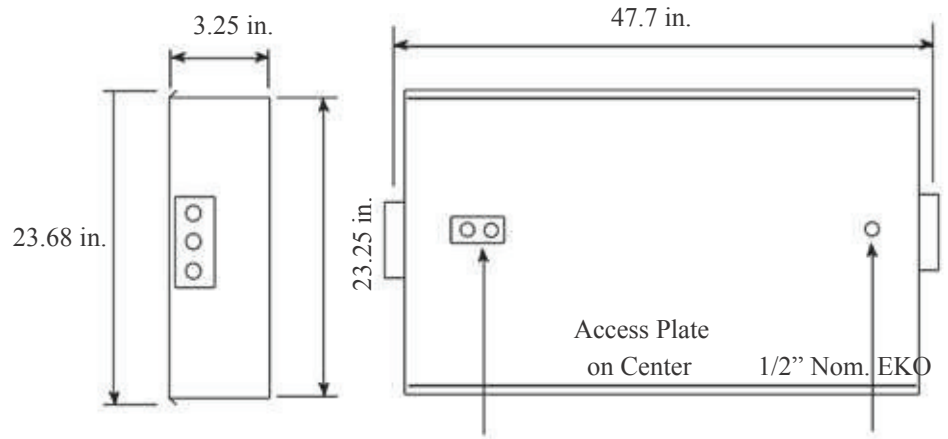


SHUD 2x4 ft.

Low Profile Dual Basket T5/T8

DIMENSIONS

All dimensions are inches. Specifications subject to change without notice.



Photometrics Fixture Efficiency UDFP Series 72.4%
UDLR Series 82.7%

| Glare Evaluation According to UGR | | | | | | | | | | |
|-----------------------------------|----|----|----|----|----|----|----|----|----|----|
| pCeiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| pWalls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| pFloor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

| Room Size | | Viewing direction at right angles to lamp axis | | | | | Viewing direction parallel to lamp axis | | | | |
|-----------|-----|--|------|------|------|------|---|------|------|------|------|
| x | y | | | | | | | | | | |
| 2H | 2H | 17.2 | 18.5 | 17.5 | 18.8 | 19.0 | 18.5 | 19.9 | 18.8 | 20.1 | 20.4 |
| | 3H | 18.8 | 20.1 | 19.2 | 20.3 | 20.6 | 20.0 | 21.3 | 20.4 | 21.5 | 21.8 |
| | 4H | 19.4 | 20.5 | 19.7 | 20.8 | 21.1 | 20.2 | 21.3 | 20.5 | 21.6 | 21.9 |
| | 6H | 19.8 | 20.9 | 20.1 | 21.2 | 21.5 | 20.2 | 21.3 | 20.6 | 21.6 | 21.9 |
| | 8H | 19.9 | 20.9 | 20.3 | 21.2 | 21.6 | 20.2 | 21.2 | 20.5 | 21.5 | 21.8 |
| | 12H | 19.9 | 20.9 | 20.3 | 21.2 | 21.6 | 20.2 | 21.1 | 20.5 | 21.5 | 21.8 |
| 4H | 2H | 18.1 | 19.3 | 18.4 | 19.5 | 19.8 | 19.1 | 20.3 | 19.5 | 20.6 | 20.9 |
| | 3H | 19.9 | 20.9 | 20.3 | 21.2 | 21.6 | 20.8 | 21.8 | 21.2 | 22.1 | 22.4 |
| | 4H | 20.6 | 21.4 | 21.0 | 21.8 | 22.1 | 21.0 | 21.9 | 21.4 | 22.2 | 22.6 |
| 6 | 6H | 21.0 | 21.8 | 21.4 | 22.1 | 22.5 | 21.1 | 21.8 | 21.5 | 22.2 | 22.6 |
| | 8H | 21.2 | 21.8 | 21.6 | 22.2 | 22.7 | 21.1 | 21.8 | 21.5 | 22.2 | 22.6 |
| | 12H | 21.2 | 21.8 | 21.7 | 22.2 | 22.7 | 21.1 | 21.7 | 21.5 | 22.1 | 22.6 |
| 8H | 4H | 20.8 | 21.5 | 21.2 | 21.9 | 22.3 | 21.2 | 21.9 | 21.6 | 22.3 | 22.7 |
| | 6H | 21.3 | 21.9 | 21.8 | 22.3 | 22.7 | 21.3 | 21.9 | 21.8 | 22.3 | 22.8 |
| | 8H | 21.5 | 22.0 | 22.0 | 22.4 | 22.9 | 21.3 | 21.8 | 21.8 | 22.3 | 22.8 |
| | 12H | 21.6 | 22.0 | 22.1 | 22.5 | 23.0 | 21.4 | 21.8 | 21.9 | 22.2 | 22.7 |
| 12H | 4H | 20.8 | 21.4 | 21.2 | 21.8 | 22.2 | 21.2 | 21.8 | 21.6 | 22.2 | 22.7 |
| | 6H | 21.3 | 21.8 | 21.8 | 22.2 | 22.7 | 21.3 | 21.8 | 21.8 | 22.3 | 22.7 |
| | 8H | 21.5 | 21.9 | 22.0 | 22.4 | 22.9 | 21.4 | 21.8 | 21.9 | 22.2 | 22.7 |

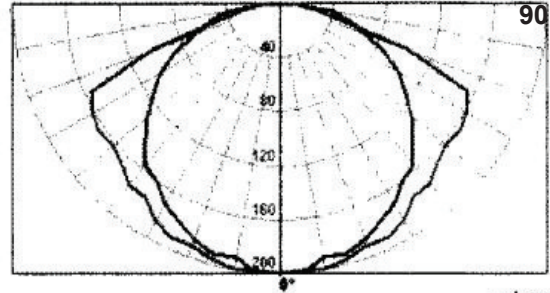
Variation of the observer position for the luminaire distances S

| | | | | |
|----------------|-------|------|-------|------|
| S=1.0H | +0.1/ | -0.1 | +0.1/ | -0.2 |
| S=1.5H | +0.3/ | -0.4 | +0.2/ | -0.3 |
| S=2.0H | +0.5/ | -0.9 | +0.7/ | -0.9 |
| Standard table | | BK06 | | BK03 |
| Correction | | -4.3 | | -4.9 |
| Summand | | | | |

Corrected Glare Indices referring to 1.00.00m Total Luminous Flux

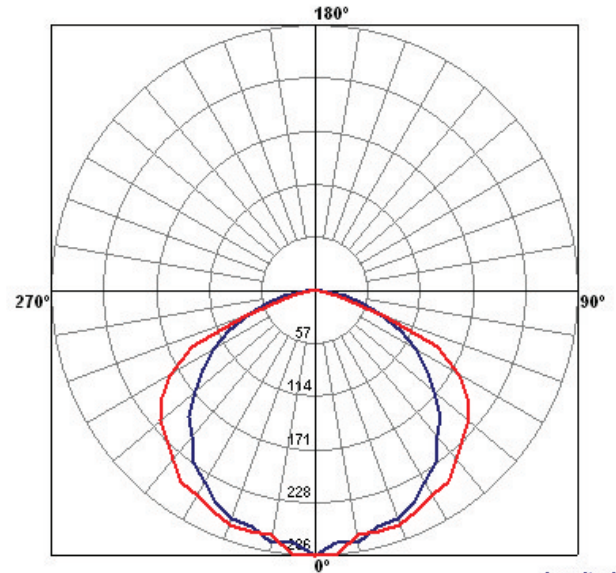
| Certificate of Utilization | | | | | | | | | | | | | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| pfc=0.20 | | | | | | | | | | | | | | | | | | |
| pcc | .8 | | | | .7 | | | | .5 | | | .3 | | | .1 | | | 0 |
| pw R C R | .7 | .5 | .3 | .1 | .7 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | 0 |
| 0 | 104 | 104 | 104 | 104 | 102 | 102 | 102 | 102 | 97 | 97 | 97 | 93 | 93 | 93 | 89 | 89 | 89 | 88 |
| 1 | 95 | 91 | 88 | 84 | 93 | 89 | 86 | 83 | 86 | 83 | 80 | 82 | 80 | 78 | 79 | 77 | 75 | 74 |
| 2 | 87 | 79 | 73 | 68 | 84 | 78 | 72 | 67 | 74 | 70 | 66 | 72 | 68 | 64 | 69 | 66 | 63 | 61 |
| 3 | 79 | 69 | 62 | 56 | 76 | 68 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 60 | 56 | 53 | 51 |
| 4 | 72 | 61 | 53 | 47 | 70 | 60 | 52 | 47 | 57 | 51 | 46 | 55 | 50 | 45 | 53 | 49 | 45 | 43 |
| 5 | 66 | 54 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 |
| 6 | 60 | 48 | 40 | 35 | 59 | 48 | 40 | 34 | 46 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 33 | 32 |
| 7 | 56 | 44 | 36 | 30 | 54 | 43 | 35 | 30 | 42 | 35 | 30 | 40 | 34 | 30 | 39 | 34 | 29 | 28 |
| 8 | 52 | 40 | 32 | 27 | 50 | 39 | 32 | 27 | 38 | 31 | 26 | 37 | 30 | 26 | 36 | 30 | 28 | 24 |
| 9 | 48 | 36 | 29 | 24 | 47 | 36 | 28 | 24 | 35 | 28 | 24 | 34 | 28 | 24 | 33 | 27 | 23 | 22 |

270



Max: 200 cd/Klm

--- longitudinal
--- transversal



Max: 286 cd/Klm

--- longitudinal
--- transversal



Texas Fluorescents
Reinvented

SHUD 2x4 ft.

Low Profile Dual Basket T5/T8

| Glare Evaluation According to UGR | | | | | | | | | | |
|-----------------------------------|----|----|----|----|----|----|----|----|----|----|
| pCeiling | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| pWalls | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| pFloor | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Variation of the observer position for the luminaire distances S

| | | |
|---|-----------|-----------|
| S=1.0H | +0.1/-0.1 | +0.1/-0.1 |
| S=1.5H | +0.3/-0.3 | +0.1/-0.1 |
| S=2.0H | +0.4/-0.8 | +0.2/-0.3 |
| Standard table | BK06 | BK07 |
| Correction | -3.5 | -1.0 |
| Summand | | |
| Corrected Glare Indices referring to 1.00.00m Total Luminous Flux | | |

| Room Size | | Viewing direction at right angles to lamp axis | | | | | | Viewing direction parallel to lamp axis | | | | | |
|-----------|-----|--|------|------|------|------|------|---|------|------|------|--|--|
| x | y | | | | | | | | | | | | |
| 2H | 2H | 16.9 | 18.3 | 17.2 | 18.5 | 18.8 | 18.3 | 19.7 | 18.6 | 20.0 | 20.2 | | |
| | 3H | 18.6 | 19.9 | 18.9 | 20.1 | 20.4 | 21.1 | 22.4 | 21.4 | 22.6 | 22.9 | | |
| | 4H | 19.2 | 20.4 | 19.6 | 20.7 | 21.0 | 22.2 | 23.4 | 22.6 | 23.7 | 24.0 | | |
| | 6H | 19.7 | 20.8 | 20.0 | 21.1 | 21.4 | 22.8 | 23.9 | 23.2 | 24.2 | 24.5 | | |
| | 8H | 19.8 | 20.9 | 20.1 | 21.2 | 21.5 | 22.9 | 24.0 | 23.2 | 24.3 | 24.6 | | |
| | 12H | 19.8 | 20.9 | 20.2 | 21.2 | 21.5 | 22.9 | 23.9 | 23.2 | 24.2 | 24.6 | | |
| 4H | 2H | 17.9 | 19.1 | 18.2 | 19.4 | 19.7 | 19.0 | 20.2 | 19.3 | 20.5 | 20.8 | | |
| | 3H | 19.9 | 21.0 | 20.3 | 21.3 | 21.6 | 21.9 | 23.0 | 22.3 | 23.3 | 23.6 | | |
| | 4H | 20.8 | 21.7 | 21.2 | 22.0 | 22.4 | 23.2 | 24.1 | 23.6 | 24.5 | 24.9 | | |
| | 6H | 21.3 | 22.1 | 21.7 | 22.5 | 22.9 | 23.9 | 24.7 | 24.3 | 25.1 | 25.5 | | |
| | 8H | 21.5 | 22.2 | 21.9 | 22.6 | 23.0 | 24.0 | 24.8 | 24.5 | 25.2 | 25.6 | | |
| | 12H | 21.5 | 22.2 | 22.0 | 22.6 | 23.1 | 24.0 | 24.7 | 24.5 | 25.1 | 25.6 | | |
| 8H | 4H | 21.5 | 22.2 | 21.9 | 22.6 | 23.0 | 23.5 | 24.3 | 24.0 | 24.7 | 25.1 | | |
| | 6H | 22.2 | 22.8 | 22.7 | 23.2 | 23.7 | 24.3 | 25.0 | 24.8 | 25.4 | 25.8 | | |
| | 8H | 22.4 | 22.9 | 22.9 | 23.4 | 23.9 | 24.9 | 25.0 | 25.0 | 25.5 | 26.0 | | |
| | 12H | 22.5 | 23.0 | 23.0 | 23.4 | 23.9 | 24.6 | 25.0 | 25.0 | 25.5 | 26.0 | | |
| 12H | 4H | 21.6 | 22.2 | 22.0 | 22.6 | 23.1 | 23.5 | 24.2 | 24.0 | 24.6 | 25.1 | | |
| | 6H | 22.3 | 22.9 | 22.8 | 23.3 | 23.8 | 24.4 | 24.9 | 24.9 | 25.4 | 25.9 | | |
| | 8H | 22.6 | 23.0 | 23.1 | 23.5 | 24.0 | 24.6 | 25.0 | 25.1 | 25.5 | 26.0 | | |

| Certificate of Utilization | | | | | | | | | | | | | | | | | | |
|----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| pfc=0.20 | | | | | | | | | | | | | | | | | | |
| pcc | .8 | | | | .7 | | | | .5 | | | .3 | | | .1 | | | 0 |
| pw R C R | .7 | .5 | .3 | .1 | .7 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | .5 | .3 | .1 | 0 |
| 0 | 106 | 106 | 106 | 106 | 103 | 103 | 103 | 103 | 99 | 99 | 99 | 95 | 95 | 95 | 91 | 91 | 91 | 89 |
| 1 | 96 | 91 | 87 | 84 | 94 | 89 | 86 | 82 | 85 | 82 | 80 | 82 | 80 | 77 | 79 | 77 | 75 | 73 |
| 2 | 86 | 79 | 72 | 66 | 84 | 77 | 71 | 66 | 74 | 68 | 64 | 71 | 66 | 63 | 68 | 64 | 61 | 59 |
| 3 | 78 | 68 | 60 | 54 | 76 | 67 | 59 | 54 | 54 | 58 | 53 | 61 | 56 | 52 | 59 | 55 | 51 | 49 |
| 4 | 71 | 60 | 51 | 45 | 69 | 59 | 51 | 45 | 56 | 49 | 44 | 54 | 48 | 43 | 52 | 47 | 43 | 41 |
| 5 | 65 | 53 | 44 | 38 | 63 | 52 | 44 | 38 | 50 | 43 | 38 | 48 | 42 | 37 | 46 | 41 | 37 | 35 |
| 6 | 60 | 47 | 39 | 33 | 58 | 47 | 39 | 33 | 45 | 38 | 32 | 43 | 37 | 32 | 42 | 36 | 37 | 30 |
| 7 | 55 | 43 | 35 | 29 | 54 | 42 | 34 | 29 | 41 | 34 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 8 | 51 | 39 | 31 | 25 | 50 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |
| 9 | 48 | 36 | 28 | 23 | 47 | 35 | 28 | 23 | 34 | 27 | 23 | 33 | 27 | 22 | 32 | 26 | 22 | 21 |
| 10 | 45 | 33 | 25 | 20 | 44 | 32 | 25 | 20 | 31 | 25 | 20 | 30 | 24 | 20 | 30 | 24 | 20 | 19 |

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| Catalog Number: |
| Notes: |